

Study Scheme & Syllabus of

PhD Course Work in Pharmaceutical Sciences

Batch 2021 Onward



By

Board of Study Pharmacy

Department of Academics

IK Gujral Punjab Technical University

Study Scheme

Course Code	Course Type	Course Name	Load			Marks			Credits
			L	T	P	Internal	External	Total	
PHP-101	Compulsory Course	Research Methodology	3	1	-	30	70	100	4
PHP-102	Compulsory Course	Research & Publication Ethics	2	-	-	20	30	50	2
PHP-201	Core Theory (Any One)	Pharmaceutics	3	1	-	30	70	100	4
PHP-202		Pharmaceutical Chemistry	3	1	-	30	70	100	
PHP-203		Pharmacology	3	1	-	30	70	100	
PHP-204		Pharmacognosy	3	1	-	30	70	100	
PHP-301	Interdisciplinary Course (Any One)	Modern Pharmaceutical Analytical Techniques	3	1	-	30	70	100	4
PHP-302		Intellectual Property Rights	3	1	-	30	70	100	
PHP-303		Pharmacology & Toxicological Screening Methods	3	1	-	30	70	100	
PHP-304		Biochemical & Separation Techniques	3	1	-	30	70	100	
PHP-305		Bioprocess Technology	3	1	-	30	70	100	
PHP-306		Recombinant Biotechnology	3	1	-	30	70	100	
PHP-307		Plant Tissue Culture	3	1	-	30	70	100	
PHP-401	Presentation	*Presentation	-	-	6	75	-	75	3
Total			11	03	06	185	270	455	17

**Minimum three presentations related to proposed research area of the candidate*

**Non-University Exam*

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-101	Research Methodology	3	1	-	30	70	1.5	3	4

Overview of Research **10 Hrs**

Research and its type, identifying and defining research problems, introduction to different types of research designs. Essential constituents of literature review. Basic principles of experimental design, completely randomized, randomized block, Latin square, factorial

Methods of Data Collection **04 Hrs**

Primary and secondary data, methods of primary data collection, classification of secondary data

Sampling Methods **10 Hrs**

Probability sampling: simple random sample, systematic sampling, stratified sampling, cluster sampling and multistage sampling; Non-probability sampling: convenience sampling, judgement sampling, quota sampling; sampling distribution

Processing and Data Analysis **15 Hrs**

Statistical measures and their significance: central tendencies, measures of variability, skewness, kurtosis, correlation and regression; hypothesis testing: parametric test (z, t, F), Chi square, ANOVA and non-parametric test

Reliability and Validity **03 Hrs**

Test- retest reliability, alternative form reliability, internal-comparison reliability, and scorer reliability; content validity, criterion- related validity and construct validity

Essentials of Report Writing **05 Hrs**

Suggested Readings/Recommended Books (Latest Editions)

1. Geoffrey R. Norman, David L. Streiner, Biostatistics: The Bare Essentials, PMPH USA
2. Beth Dawson, Robert G. Trapp, Basic & Clinical Biostatistics, McGraw-Hill
3. Marcello Pagano, Kimberlee Gauvreau, Principles of Biostatistics, CRC Press
4. Antonella Bacchieri, Giovanni Della Cioppa, Fundamentals of Clinical Research, Springer
5. Katsumi Kobayashi, K. Sadasivan Pillai, A Handbook of Applied Statistics in Pharmacology, CRC Press

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-102	Research & Publication Ethics	2	-	-	20	30	1.5	3	4

Module 01

05 Hrs

Philosophy and Ethics

Introduction to philosophy: definition, nature and scope, concept, branches; Ethics: definition, moral philosophy, nature of moral judgments and reactions

Scientific Conduct

Ethics with respect to science and research, Intellectual honest and research integrity, Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP), Redundant publication: duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data

Module 02

05 Hrs

Publication Ethics

Publications ethics: definition, introduction and importance, Best practices/standard setting initiative and guideline: COPE, WAME, etc., Conflicts of interest, Publication misconduct: definition, concepts, problems that lead to unethical behaviours and vice versa, types, Violation of publication ethics, authorship and contributor ship, Identification of publication misconduct, complaints and appeals, Predatory publisher and journals

Module 03

05 Hrs

Open Access Publishing

Open access publications and initiatives, SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies, Software tool to identify predatory publication developed by SPPU, Journal finder/ journal suggestion tools viz. JANE, Elsevier journal finder, Springer Journal suggester, etc.

Publication Misconduct

Subject specific ethical issues, FFP, authorship, Conflicts of interest, Complaints and appeals: examples and fraud from India and abroad

Module 04

05 Hrs

Software Tools

Use of plagiarism software like Turnitin, Urkund and other open-source software tools

Databases and Research Metrics

Indexing databases, Citation databases: Web of Science, Scopus etc.

Research Metric

Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score, Metrics: h-Index, g index, i10 index, altmetrics

Suggested Readings/Recommended Books (Latest Editions)

1. C. Neal Stewart Jr., *Research Ethics for Scientists: A Companion for Students*, Wiley.
2. Loue, Sana, *Textbook of Research Ethics*, Springer.
3. Julie Scott-Jones, *Research Ethics in Practice*, Sage.
4. Ana Smith Iltis, *Research Ethics*, Taylor & Francis.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-201	Pharmaceutics	3	1	-	30	70	1.5	3	4

Pre-formulation Studies

07 Hrs

Introduction, pre-formulation testing criteria, regulatory requirements, testing systems, solid-state characterization, transport across biological membranes

Polymers

05 Hrs

Polymer classification, physicochemical properties and polymer solutions, biodegradable and non-biodegradable polymers, application of polymers in controlled release of drugs, transport of small molecules in polymers, ionic polymers as drug carriers, polymer drug interactions

Controlled Drug Delivery

07 Hrs

Introduction, basic concept, rationale of SR/CR drug delivery, physicochemical and biological factors influencing design and performance of CR products, therapeutic status of CDDS, targeting through nano-particles, monoclonal antibodies, vitreous body, colon targeting, lung targeting

Pharmaceutical Process Validation

08 Hrs

Basic concept, regulatory basis of validation, benefits of validation, types of process validation related to prospective retrospective and concurrent process validation, re-validation of validation process and scale-up and post approval changes (SUPAC), analytical Validation

Optimization

05 Hrs

Introduction to statistical methods and factorial design, quality by design

Bioequivalence Studies

07 Hrs

Basic pharmacokinetic concepts, *in vitro* and *in vivo* methods in establishment of bioequivalence

Pharmaceutical Packaging

08 Hrs

Introduction, quality control, paper and board-based packaging materials and their use in pack security systems, sterile products, closures and closure systems, sterile product and the role of rubber components, blister strip, child resistant, sachet packaging, present and future trends

Suggested Reading/Reference Books (Latest Edition)

1. J.R. Robinson & V.H.L. Lee (Eds), Controlled Drug Delivery, Fundament and applications, Vol. 29&Vol. 31, Marcel Dekker, N.Y.

2. Y.W. Chien (Ed.), *Transdermal Controlled Systemic Medications*, Marcel Dekker, N.Y.
3. N.K. Jain, *Controlled and novel drug delivery*, CBS, New Delhi.
4. N.K. Jain, *Advances in Controlled and novel drug delivery*, CBS, New Delhi.
5. J.I. Wells, *Pharmaceutical Preformulation: The Physicochemical Properties of Drug Substances*, Ellis Horwood, Chichester (UK)
6. S.P.Vyas and R.K.Khar, *Controlled Drug Delivery, concept and advances*
7. J.G. Wagner, *Pharmacokinetics for the Pharmaceutical Scientist*, Technomic, Pa
8. L. Shargel, and A. Yu, *Applied Biopharmaceutics and Pharmacokinetics*, Appleton and Large, Norwalk, CT.
9. M. Gibaldi and D. Perrier, *Pharmacokinetics*, J. Swarbrick, ed., Marcel Dekker, N.Y.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-202	Pharmaceutical Chemistry	3	1	-	30	70	1.5	3	4

Stereochemistry

10 Hrs

Optical isomerism: chirality and molecular symmetry; stereochemical designation of chiral centre(s) (*R* & *S*); chiral axis; resolution of racemic mixture-techniques including chiral chromatography, geometric Isomerism: *cis*, *trans*; *E*, *Z*, conformational analysis: boat-chair conformations; staggered, gauche, eclipsed conformations

Fundamentals of Medicinal Chemistry

05 Hrs

Basics of drug action: covalent, ionic, ion-dipole, hydrogen bonding, vander waals interactions, bio-isosterism, drug receptor interaction, constitution of cell membrane

Drug Design

12 Hrs

Analogous synthesis versus rational drug design, discovery of lead compounds, pharmacophore identification, structure modifications of lead compound (prototype), physicochemical alterations, pro-drug approach, quantitative structure activity relationship, computer aided drug design, molecular modelling, combinatorial chemistry and high throughput screening

Natural Products

14 Hrs

Drugs of natural origin: from plants, micro-organisms, animal source, marine products, biosynthesis of natural products, approaches of structure elucidation: degradation and synthetic approaches; spectral analysis (UV, IR, NMR, Mass), hyphenated techniques: GC-MS, LC-MS, chemical modifications of natural products; opioid analgesics, anti-neoplastic agents, anti-malarials

Techniques of Quantitative Estimation of Drugs for Determination of Purity

06 Hrs

Suggested Reading/Reference Books (Latest Edition)

1. Ernest EI and Samuel H. Stereochemistry of Organic Compounds. John Wiley and Sons, New York.
2. Lehr RE and Marchand AP. Orbital Symmetry: A Problem-Solving Approach. Academic Press, New York.
3. March J. Advanced Organic Chemistry: Reactions, Mechanisms and Structures. John Wiley and Sons, New York.
4. Lehr RE and Marchand AP. Orbital Symmetry: A problem solving approach. Academic Press, New York.
5. Mitscher LA and Baker WR. Wiley and Sons
6. A Search for Novel Chemotherapy Against Tuberculosis Amongst Natural Products. Pure and Applied Chemistry (1998), Vol. 70, No.2, pp 365-371.

7. Wermuth CG. The Practice of Medicinal Chemistry. Academic Press, Jordon Hill, Oxford.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-203	Pharmacology	3	1	-	30	70	1.5	3	4

Molecular Aspects of Drug Action **07 Hrs**

Receptor occupancy, types of drug targets, main families of receptors and ion channels, signal transduction mechanisms coupling receptors to cellular function

Cellular Mechanisms of Drug Action **08 Hrs**

Short-term regulation of cellular function (excitation, contraction and secretion), slower mechanisms of cell response (cell proliferation, apoptosis) and their pathophysiological significance

Inflammation and Immune Reactions **04 Hrs**

Acute inflammatory reaction, mediators of inflammation and immune response, therapies based on manipulation of immune response

Antioxidants **02 Hrs**

Reactive oxygen intermediates, antioxidants and their therapeutic implications

Toxicity Studies **06 Hrs**

Acute, sub-acute, sub-chronic, chronic toxicity

Advances in Transgenic Animals **02 Hrs**

Regulatory Guidelines **06 Hrs**

Guidelines for maintenance and experimentation using laboratory animals (CPCSEA, OECD, ICH, ICMR, Schedule Y)

In-vitro Experimentation Techniques **06 Hrs**

Animal cell lines and their uses, radioligand binding assay, patch clamp, ELISA

Molecular Techniques **06 Hrs**

PCR, blotting, immunostaining, cloning, RIA

Suggested Reading/Reference Books (Latest Edition)

1. BG Katzung AJ Trevor, Basic and Clinical Pharmacology, Mc Graw-Hill.
2. HP Rang, MM Dale, JM Ritter, RJ Flower, G Henderson, Rang & Dale's Pharmacology, Elsevier.
3. PN Bennett, MJ Brown and P Sharma, Clinical Pharmacology, Churchill Livingstone Elsevier.
4. KD Tripathi, Essentials of Medical Pharmacology, Jay Pee Medical.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-204	Pharmacognosy	3	1	-	30	70	1.5	3	4

Organoleptic Evaluation of Plant Drugs

08 Hrs

Gross morphology, detection of foreign matter, quantitative microscopy: vein islet number, vein termination number, stomatal number, stomatal index, palisade ratio, micrometry: measurement of fibers, trichomes, starch grains, calcium oxalate crystals, lycopodium spore analysis, fluorescence analysis, determination of moisture content, ash values, extractive values, swelling index, refractive index, optical rotation

Primary and Secondary Plant Metabolites

05 Hrs

Classification of secondary metabolites (e.g. alkaloids, glycosides, terpenoids, saponins, flavonoids, coumarins, phenolics, etc.), biogenetic theories

Extraction Techniques

04 Hrs

Maceration, percolation, sonication, soxhlet assisted extraction, ultrasound assisted extraction, super critical fluid extraction, microwave assisted extraction, enzyme assisted extraction

Isolation of Plant Constituents

10 Hrs

Column Chromatography (adsorbents, elutropic series of solvents), paper chromatography, TLC, HPLC, HPTLC, GLC, preparative chromatography

Phytoconstituent Characterization

10 Hrs

Basic concepts of spectroscopy (UV, IR, NMR and Mass), interpretation of spectral data

Cultivation of Medicinal Plants and Harvesting

01 Hrs

WHO Guidelines for Assessment of Crude Drugs

02 Hrs

Evaluation of identity, purity, quality of crude drugs, determination of pesticide residue, determination of microorganisms, aflotoxins, determination of arsenic and heavy metals (Hg, Pb, Cd)

Herbal Drug Standardization

06 Hrs

Phytochemical reference standards (PRS), botanical reference standards (BRS), TLC fingerprint profile along with PRS, quantitative estimation of biomarker by HPTLC or GC, GC-MS, LC-MS

Nutraceuticals

01 Hrs

Suggested Reading/Reference Books (Latest Edition)

1. W.C.Evans, Trease and Evans Pharmacognosy, 15th edition, W.B. Saunders & Co., London.
2. Egon Stahl, Thin Layer chromatography -A laboratory handbook, Springer-Verlag, Berlin.
3. M.J. Cupp, Toxicology and Clinical Pharmacology of Herbal Products, Humana Press New-Jersey.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-301	Modern Pharmaceutical Analytical Techniques	3	1	-	30	70	1.5	3	4

UV-Visible Spectroscopy

05 Hrs

Introduction, theory, laws, instrumentation associated with UV-Visible spectroscopy, choice of solvents and solvent effect and applications of UV-Visible spectroscopy

IR Spectroscopy

05 Hrs

Theory, modes of molecular vibrations, sample handling, instrumentation of dispersive and fourier - transform IR Spectrometer, factors affecting vibrational frequencies and applications of IR spectroscopy

Spectrofluorimetry

04 Hrs

Theory of fluorescence, factors affecting fluorescence, quenchers, instrumentation and applications of fluorescence spectrophotometer

NMR Spectroscopy

10 Hrs

Quantum numbers and their role in NMR; principle, instrumentation, solvent requirement in NMR, relaxation process, NMR signals in various compounds, chemical shift, factors influencing chemical shift, spin-spin coupling, coupling constant, nuclear magnetic double resonance, brief outline of principles of FT-NMR and ¹³C NMR, applications of NMR spectroscopy

Mass Spectroscopy

10 Hrs

Principle, theory, instrumentation of mass spectroscopy, different types of ionization like electron impact, chemical, field, FAB and MALDI, APCI, ESI, APPI analyzers of quadrupole, time of flight, mass fragmentation and its rules, meta stable ions, isotopic peaks, applications of mass spectroscopy

Chromatography

08 Hrs

Principle, apparatus, instrumentation, chromatographic parameters, factors affecting resolution and applications of: paper chromatography, thin layer chromatography, ion exchange chromatography, column chromatography, gas chromatography, high performance liquid chromatography, affinity chromatography

X ray Crystallography

05 Hrs

Production of X rays, different X ray methods, Bragg's law, rotating crystal technique, X ray powder technique, types of crystals, applications of X-ray diffraction

Suggested Reading/Reference Books (Latest Edition)

1. Robert M Silverstein, Spectrometric Identification of Organic Compounds, John Wiley & Sons.

2. Douglas A. Skoog, F. James Holler, Timothy A. Nieman, Principles of Instrumental Analysis Eastern press, Bangalore.
3. Willards Instrumental methods of analysis, CBS Publishers.
4. Beckett and Stenlake, Practical Pharmaceutical Chemistry, CBS Publishers, New Delhi.
5. William Kemp, Organic Spectroscopy, ELBS.
6. P D Sethi, Quantitative Analysis of Drugs in Pharmaceutical formulation, CBS Publishers, New Delhi.
7. J W Munson, Pharmaceutical Analysis- Modern Methods, Marcel Dekker Series.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-302	Intellectual Property Rights	3	1	-	30	70	1.5	3	4

Definition, need for patenting, types of patents, conditions to be satisfied by an invention to be patentable, introduction to patent search. **10 Hrs**

Parts of patents, filling of patents, the essential elements of patent, guidelines for preparation of laboratory note book, non-obviousness in patent **10 Hrs**

Role of GATT, TRIPS, and WIPO **05 Hrs**

Brief introduction to trademark protection and WHO Patents, IPR's and its types, major bodies regulating Indian pharmaceutical sector **07 Hrs**

Brief introduction to CDSCO, WHO, USFDA, EMEA, TGA, MHRA, MCC, ANVISA **08 Hrs**

Regulatory requirements for contract research organization, regulations for biosimilar **07 Hrs**

Suggested Reading/Reference Books (Latest Edition)

1. Ira R. Berry and Robert A. Nash, Pharmaceutical Process Validation, CRC Press
2. Willing S.H. Marcel and Dekker, GMP for pharmaceuticals, Marcel Dekker Inc
3. Parikshit Bansal, IPR Handbook for Pharma Students and Researchers, BSP Books Private Limited
4. Josef Drexler, Nari Lee, Pharmaceutical Innovation, Competition and Patent Law: A Trilateral Perspective, Edward Elgar
5. Rashmi Aggarwal and Rajinder Kaur, Patent Law and Intellectual Property in the Medical Field, IGI Global
6. Arthur Miller and Michael Davis, Intellectual Property, Patents, Trademarks, and Copyright in a Nutshell (Nutshells), West Academic Publishing

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-303	Pharmacology & Toxicological Screening Methods	3	1	-	30	70	1.5	3	4

Laboratory Animals

07 Hrs

Common lab animals: description, handling and applications of different species and strains of animals; transgenic animals: production, maintenance and applications; anaesthesia and euthanasia of experimental animals; maintenance and breeding of laboratory animals; CPCSEA guidelines to conduct experiments on animals; good laboratory practice

Preclinical Screening of New Substances for the Pharmacological Activity

22 Hrs

General principles of preclinical screening; CNS pharmacology: behavioural and muscle coordination, CNS stimulants and depressants, anxiolytics, anti-psychotics, anti epileptics and nootropics; drugs for neurodegenerative diseases like parkinsonism, alzheimers and multiple sclerosis; drugs acting on autonomic nervous system; respiratory pharmacology: anti-asthmatics, drugs for COPD and anti-allergic; reproductive pharmacology: aphrodisiacs and anti-fertility agents; analgesics, anti-inflammatory and antipyretic agents; gastrointestinal drugs: anti ulcer, anti-emetic, anti-diarrheal and laxatives; cardiovascular pharmacology: anti-hypertensives, anti-arrythmics, anti-anginal, anti-atherosclerotic agents and diuretics; drugs for metabolic disorders like anti-diabetic, anti-hyperlipidemic, and agents; anti cancer agents; immunosuppressants and immunomodulators

Limitations of Animal Experimentation and Alternate animal Experiments

04 Hrs

Extrapolation of in vitro Data to Preclinical and Preclinical to Humans

02 Hrs

Regulatory Guidelines for Conducting Toxicity Studies

12 Hrs

OECD, ICH, EPA, Schedule Y, OECD principles of Good laboratory practice (GLP)

Suggested Reading/Reference Books (Latest Edition)

1. J.H. Burn D.J. Finney and I.G. Goodwin, Biological standardization, Oxford University Press, New York
2. Robert A. Turner, Screening methods in Pharmacology, Academic Press
3. Laurence and Bachrach, Evaluation of Drugs Activities: Pharmacometrics, Academic Press
4. Arnold Schwartz, Methods in Pharmacology, Springer
5. M. N. Ghosh, Fundamentals of experimental Pharmacology, Hilton Company
6. L. J. McLeod, Pharmacological experiment on intact preparations, Churchill Livingstone
7. Vogel H.G., Drug discovery and Evaluation by, Springer

8. Hand book on GLP, Quality practices for regulated non-clinical research and development (<http://www.who.int/tdr/publications/documents/glp-handbook.pdf>)
9. Schedule Y Guideline: drugs and cosmetics (second amendment) rules, 2005, ministry of health and family welfare (department of health) New Delhi
10. Rick N.G., Drugs from discovery to approval by, Wiley-Blackwell.
11. Shayne C. Gad, Animal Models in Toxicology, CRC Press
12. OECD test guidelines.
13. Karen E. Stine, Thomas M. Brown, Principles of toxicology by, CRC Press
14. Guidance for Industry M3(R2) Nonclinical Safety Studies for the Conduct of Human Clinical Trials and Marketing Authorization for Pharmaceuticals (<http://www.fda.gov/downloads/drugs/guidancecomplianceregulatoryinformation/guidances/ucm073246.pdf>)

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-304	Biochemical & Separation Techniques	3	1	-	30	70	1.5	3	4

Chromatography

Introduction, Principles, Types- paper, two dimensional, HPLC, Ion exchange chromatography, Uses, Advantages and Limitations

12Hrs

Spectroscopy

UV/Visible spectroscopy, spectrophotofluorimeter, scope, basic principle and uses in biotechnology of different types of spectrometry (NMR, Magnetic resonance spectroscopy)

12 Hrs

Radioisotopy

Use of radioisotope, detection and measurement of radioactivity, specific activity, applications in biological system, autoradiography

05 Hrs

Microscopy

Brief introduction, types of microscopes and role in microbiology, structure and function of microscopes (compound microscope, dissecting microscope, phase contrast microscope, scanning electron microscopy)

06 Hrs

Filtration

Theory and application

02 Hrs

Centrifugation

Theory and application

02 Hrs

Electrophoresis

Different methods for proteins and nucleic acids

02 Hrs

Molecular Diagnostic Techniques

PCR, southern, northern, western blotting, microarray

06 Hrs

Suggested Reading/Reference Books (Latest Edition)

1. Keith Wilson and John Walker, Principles and Techniques of Biochemistry and Molecular Biology, Cambridge University Press
2. P.C. van der Vliet and S. Pillai, Laboratory Techniques in Biochemistry and Molecular Biology, Elsevier

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-305	Bioprocess Technology	3	1	-	30	70	1.5	3	4

Microbial Growth Kinetics **10Hrs**

Batch culture, continuous culture, fed-batch culture, biomass productivity, metabolite productivity, kinetics of microbial growth

Enzymes **07 Hrs**

Classification, uses, methods for immobilization

Fermentation **10 Hrs**

Raw materials used as media for industrial fermentations, development of inocula for industrial fermentations, isolation and preservation of industrially important microorganisms

Design of a Fermenter **10 Hrs**

Aseptic operation and containment, construction materials, temperature control, aeration and agitation, sterilization of the fermenter, air supply and exhaust gas from a fermenter

Recovery and Purification of Fermentation Products **10 Hrs**

Centrifugation, cell disruption, chromatography, ultra-filtration, drying

Suggested Reading/Reference Books (Latest Edition)

1. Stanbury, Whitaker & Hall, Principles of fermentation technology, Butterworth Heinemann
2. Shuler M. L. and Kargi F, Bioprocess Engineering, Pearson
3. Pelczar, Chan & Krieg, Microbiology, McGraw-Hill Inc., US
4. Prescott, Harley & Klein, Microbiology, McGraw Hill Education
5. Nduka Okafor, Modern Industrial Microbiology & Biotechnology, CRC Press

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-306	Recombinant Biotechnology	3	1	-	30	70	1.5	3	4

Tools of Genetic Engineering

10Hrs

Cloning vehicles, modifying enzymes, DNA ligase, DNA polymerase, polynucleotide kinase, T4 DNA ligase, nick translation system, terminal deoxynucleotidyl transferase, reverse transcriptase, restriction endonucleases Type I & II. etc.

Cloning Vectors

04 Hrs

Plasmids, lambda phage, phagemids, cosmids, artificial chromosomes, yeast vectors, shuttle vectors, virus-based vectors

Methods of Gene Transfer

05 Hrs

Transformation, transduction, particle gun, electroporation, liposome mediated, microinjection, Agrobacterium mediated gene transfer

Preparation and Application of Molecular Probes

06 Hrs

DNA probes, RNA probes, radioactive labelling, non-radioactive labelling, use of molecular probes, DNA fingerprinting

Analysis and Expression of Cloned Gene in Host Cells

10 Hrs

Expression vectors, restriction enzyme analysis, southern blotting, northern blotting, western blotting, *in-situ* hybridization, colony and plaque hybridization, factors affecting expression of cloned genes, reporter genes, fusion proteins

Gene Libraries

04 Hrs

cDNA synthesis, genomic DNA libraries, amplification of gene libraries, identifying the products of cDNA clones

Isolation, Sequencing and Synthesis of Gene

04 Hrs

Different methods of gene isolation, techniques of DNA sequencing, artificial DNA synthesis

Applications of r-DNA Technology

04 Hrs

Gene cloning in medicine (Insulin, Blood clotting factor VIII), high level expression of proteins in different host systems (*E. coli*, yeast, Insect, mammalian cells), limitation and advantages and novel technologies generation of transgenic animals, applications of PCR (DNA finger printing)

Suggested Reading/Reference Books (Latest Edition)

1. R.W. Old and S.B. Primrose, Principles of Gene Manipulation, Blackwell Scientific Publication
2. B. Lewin Genes VIII, Benjamin Cummings; United States
3. E. L. Winnecker, From Genes to Clones, Vch Pub

4. T.A. Brown, Gene Cloning, Wiley
5. Glick B., Pasternak J., Molecular Biotechnology: Principles and Applications of Recombinant DNA, ASM Press.

Course Code	Course Title	Teaching Load			Marks		Exam (hrs)		Credits
		L	T	P	Int.	Ext.	Int.	Ext.	
PHP-307	Plant Tissue Culture	3	1	-	30	70	1.5	3	4

Introduction to Cell and Tissue Culture

06 Hrs

Conventional plant breeding, tissue culture as technique to produce novel plants and hybrids, tissue culture media (composition and preparation), initiation and maintenance of callus and suspension cultures, single cell clones

Organogenesis: Somatic Embryogenesis

06 Hrs

Transfer and establishment of whole plants in soil, shoot tip culture, rapid clonal propagation, embryo culture and embryo rescue

Protoplast

08 Hrs

Isolation, culture and fusion, selection of hybrid cell and regeneration of hybrid plants, symmetric and asymmetric hybrids, cybrids, cryopreservation, slow growth and DNA banking for germplasm conservation

Plant Transformation Technology

06 Hrs

Basis of tumor formation, hairy root, features of TI and RI plasmids, mechanism of DNA transfer, role of virulence genes, use of TI and RI as vectors, binary vectors, genetic markers, use of reporter genes, reporter gene with intron, methods of nuclear transformation, viral vectors and their application, multiple gene transfer, vectorless or direct DNA transfer (particle bombardment, electroporation, microinjection), transformation of monocots, transgene stability and gene silencing

Application of Plant Transformation for Productivity and Performance

07 Hrs

Herbicide resistance (phosphinothricin, glyphosphate, sulfonyl urea, atrazine), insect resistance (Bt genes, non-Bt like protease inhibitors, alpha amylase inhibitor), virus resistance (coat protein mediated, nucleocapsid gene), disease resistance (chitinase, 1-3 beta glucanase, RIP, antifungal proteins, thionins, PR proteins), nematode resistance, abiotic stress, post harvest losses, use of ACC synthase (polygalactouranase, ACC oxidase), male sterile lines, bar and barnase systems, carbohydrate composition and storage, ADP glucose pyrophosphatase, biosafety and ethical issues associated with transgenic plants

Chloroplast Transformation

04 Hrs

Advantages, vectors, success with tobacco and potato

Metabolic Engineering and Industrial Products

06 Hrs

Plant secondary metabolites, role of bioreactors for scaling up, biotransformation, biodegradable plastics, polyhydroxybutyrate

Molecular Pharming in Plants

04 Hrs

Production of therapeutic proteins, edible vaccines antibodies, purification strategies

Suggested Reading/Reference Books (Latest Edition)

1. H.S Chawla, Biotechnology in Crop Improvement, CRC Press
2. J. Hammond, R. McGravey and V. Yusibov, Plant Biotechnology, Springer
3. P.K Gupta, Elements of Biotechnology, Rastogi Publications
4. R.J Henry, Practical application of Plant Molecular Biology, CRC Press

No: 25/320/2010-CPCSEA
Government of India
Ministry of Fisheries, Animal Husbandry and Dairying
Department of Animal Husbandry and Dairying
O/o Committee for the purpose of Control and Supervision of Experiments on Animals
(CPCSEA)

Delhi Milk Scheme Complex,
Shadipur, Delhi – 110008
Date: 25.02.2022

To,

Prof G. D. Gupta, Chairman IAEC,
Indo-Soviet-Friendship College of Pharmacy
G.T. Road, Moga - 142 001, Punjab
Email: drgdg@rediffmail.com
Mobile: 8146562883

Subject: Renewal of Registration and Reconstitution of Institutional Animals Ethics Committee (IAEC)- regarding.

Sir,

The registration of Animal House Facility of your establishment with CPCSEA has been **renewed for a period of five years from the date of issue of this letter.**

2. The registration number of Animal House Facility of your establishment is **816/PO/ReBiBt/S/04/CPCSEA for Research for Education, In- house Breeding and Breeding for the purpose of trade of small animals.** Henceforth, this registration number may kindly be quoted in all your future correspondence.

3. The CPCSEA has accepted the following members recommended by the establishment.

Name of the IAEC Members	Designation in IAEC
1) Prof G. D. Gupta	Biological Scientist, Chairperson
2) Dr. Shamsher Singh	Scientist In-charge of Animal House Facility, Member Secretary
3) Dr. R. K. Narang	Scientist from different biological discipline
4) Mr. Khadga Raj Aran	Scientist from different biological discipline
5) Dr Gursimranpreet Singh	Veterinarian

4. CPCSEA hereby nominates the following members to the Institutional Animals Ethics Committee (IAEC) of your establishment:

Details of Nominee(s)	Nominated as
1) Dr. Rahul Deshmukh Associate Professor, Department of Pharmaceutical Sciences & Technology, Maharaja Ranjit Singh, Punjab Technical University, Dabwali Road, Bathinda - 151001, Punjab Contact No :9988904375 Email :login2rd@gmail.com	Main Nominee
2) Dr. Milindmitra K. Lonare Assistant Professor, Department of Veterinary Pharmacology and Toxicology, College of Veterinary Science (COVS), GADVASU, Ludhiana -141004, Punjab Contact No :9356654258 Email :milindmitra@gmail.com	Link Nominee

Contd...

3) Dr. Pradeep Kumar Assistant Professor, Centre for Pharmaceutical Sciences and Natural Products, Central University of Punjab, Bhatinda – 151001, Punjab Contact No : 9813774553 Email :pradeepyadav27@gmail.com	Scientist from outside the Institute
4) Dr. Amit Kumar Associate Professor, Adesh Institute of Pharmacy and Biomedical Sciences, NH#7, Barnala Road, Bhatinda - 151109, Punjab Contact No :09252059985 Email :amit_jana81@rediffmail.com	Socially Aware Nominee

(Please note that any change in IAEC members can be made only with prior approval of CPCSEA.)

5. The IAEC is valid for a period of five years and is coterminous with renewed period of registration. IAEC is required to be reconstituted at the time of renewal of registration as per CPCSEA guidelines.

6. You are requested to convene the meeting of the re-constituted IAEC within a period of 30 days and upload the same on the website of the CPCSEA.

7. It is stated that only above approved IAEC members shall sign, with date, on the attendance sheet of the IAEC meetings, and decisions will be taken only in meetings where quorum is complete. The quorum for holding IAEC meeting is six (6), and Main Nominee, Scientist from Outside the Institute and Socially Aware Nominee must be present in such meetings. Link Nominee can attend in case main nominee conveys his unavailability in writing to the chairman IAEC. However, the Link Nominee must be invited once a year to update him/ her about the activities of the IAEC. Any decision taken in the meetings of IAEC without quorum shall be considered invalid.

8. It is also to inform you that before commencing any research on large animals you are required to send research protocols with due recommendation of IAEC to CPCSEA for further approval (procedure for submission of Research Protocols is available on the website of CPCSEA).

9. Further, it is to inform you that the Nominee of CPCSEA has recommended for approval with following suggestions:

- a) Upgrade the Quarantine Room.
- b) Washing area needs to be improved further.

10. You are advised to comply with the above-mentioned suggestion for improvement and furnish the compliance report to the office of CPCSEA at the earliest.

Yours sincerely,



(Dr. S. K. Dutta)

Member Secretary (CPCSEA)

Copy for necessary action to: Nominees of CPCSEA.

The Main Nominee is requested to ensure that the IAEC meetings are held regularly as stipulated in the SOP of CPCSEA and submit the Annual Inspection Reports of the Animal House Facility regularly on the Website of CPCSEA.

2. The Main Nominee is also requested to conduct the Inspection of Animal House Facility to check the compliance of the suggestions mentioned at para- 9 above and submit the Inspection Report on the Website of CPCSEA.



ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL

Approved by PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)

Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh

24th Rank in NIRF 2023 in Pharmacy

Ref. No. *ISF/CP/2024/1206(L)*


Date: *01/01/2024*

INSTITUTIONAL ETHIC COMMITTEE (IEC)

Committee Constitution

Name of Member	Qualification	Role/Designation in Ethics Committee
Dr. Satish Kaura	MBBS, MS	Chairman
Dr. Rajesh Kumar Puri	MBBS (MD Medicine) Clinician	Clinician
Dr. Daizy Sood	MBBS (MD - Obstetrics & Gynecology)	Clinician
Dr. Dipika Bansal	MBBS (MD-Pharmacology)	Basic Medical Scientist
Mr. Jay Rajput	B.Sc. (M.Sc)	Lay Person
Dr. Muskan Garg	MBBS (Not Applicable)	Scientific Member
Dr Arti Singh	M.Pharm., Ph.D.	Member
Mr. Arun Kumar	LLB (Not Applicable)	Legal Expert
Dr. G.D. Gupta	M.Pharm., Ph.D.	Social Scientist
Dr. Amit Sharma	M.Pharm., Ph.D.	Member Secretary


Date of constitution : 15-07-2018
Date of 1st Revision : 01-01-2021
Date of 2nd Revision : 01-07-2022
Date of 3rd Revision : 01-01-2024
Web-Link : <http://isfcp.org/i/committees/>
Responsibilities : As per the guidelines of CDSCO


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)

Duration of committee : Three years

Meetings Schedule : At least 2 meetings in a year. If any emergency, meeting will be called by Director of the Institute.

Record Maintained by : Coordinator/Secretary of the Committee


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)

Prof. (Dr.) G. D. Gupta

Director-cum-Principal



File No. EC/17/000054
Government of India
Ministry of Health & Family Welfare
Directorate General of Health Services
Office of Drugs Controller General (India)
Central Drugs Standard Control Organization

FDA Bhawan, Kolla Road,
New Delhi - 110002, India
Dated: 12-Apr-2018

To

The Chairman
Institution Ethics Committee ISFCP, Moga
ISF College of Pharmacy
Ferozpur GT Road Ghal Kalan Moga Moga Punjab -
142001 India

Subject: Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945.

Sir/Madam,

Please refer to your application no. EC/NEW/INST/2017/1629 dated 09-Dec-2017 submitted to this Directorate for the Registration of Ethics Committee.

Based on the documents submitted by you this office hereby registers the Institution Ethics Committee ISFCP, Moga, ISF College of Pharmacy Ferozpur GT Road Ghal Kalan Moga Moga Punjab - 142001 with Registration number ECR/296/Indt/PB/2018 as per the provisions of Rule 122DD of the Drugs and Cosmetics Rules, 1945 subject to the following conditions:

1. The Ethics Committee shall review and approve only the study protocols and related documents of Bioavailability/Bioequivalence studies of the approved drug molecules and also carry ongoing review of such studies.
2. The Ethics Committee shall review and accord its approval to Bioavailability/Bioequivalence studies and also carry ongoing review of such studies at appropriate intervals, as specified in Schedule Y and the Good Clinical Practice Guidelines for Clinical Trials in India and other applicable regulatory requirements for safeguarding the rights, safety and well being of the trial subjects.
3. In the case of any serious adverse event occurring during Bioavailability/Bioequivalence studies, the Ethics Committee shall analyze and forward its opinion as per procedures specified under APPENDIX XII of Schedule Y.
4. The Ethics Committee shall allow inspectors or officials authorized by the Central Drugs Standard Control Organization to enter its premises to inspect any record, data or any document related to Bioavailability/Bioequivalence studies and provide adequate replies to any query raised by such inspectors or officials, as the case may be, in relation to the conduct of Bioavailability/Bioequivalence studies.
5. The licensing authority shall be informed in writing in case of any change in the membership or the constitution of the ethics committee takes place.
6. All the records of the ethics committee shall be safely maintained after the completion or termination of the study for not less than five years from the date of completion or termination of the trial (Both in hard and soft copies).
7. If the Ethics Committee fails to comply with any of the conditions of registration, the Licensing Authority may, after giving an opportunity to show cause why such an order should not be passed, by an order in writing stating the reasons therefore, suspend or cancel the registration of the Ethics Committee for such period as considered necessary.
8. This registration shall be in force for a period of three years from the date of issue, unless it is sooner

suspended or cancelled. Provided that if the application for re-registration is received by the Licensing Authority within three months before the expiry, the registration shall continue to be in force until orders are passed by the said authority.

a. The Licensing Authority shall be informed in writing in case of any change in the membership or the constitution of the Ethics Committee takes place.

9. Ethics Committee shall consist of not less than seven members and is subject to a maximum of 15. One among its members, who is from outside the Institute, shall be appointed as chairman, one member as a Member Secretary and rest of the members shall be from Medical, Scientific, Non Medical and Non-scientific fields including lay public.

10. The committee shall include at least one member whose primary area of interest or specialization is Non-scientific and at least one member who is independent of the institution besides; there should be appropriate gender representation on the Ethics Committee.

11. The Ethics committee can have as its members, individuals from other Institutions or Communities, if required.

12. Members should be conversant with the provisions under Schedule Y, Good Clinical Practice Guidelines for clinical trials in India and other regulatory requirements to safeguard the rights, safety and well-being of the trial subjects.

13. For review of each protocol the quorum of Ethics Committee shall be at least five members with the following representations:

- i. Basic medical scientist (preferably one pharmacologist)
- ii. Clinician
- iii. Legal expert
- iv. Social scientist or representative of non-governmental voluntary agency or philosopher or ethicist or theologian or a similar person.
- v. Lay person from community

14. The members representing medical scientist and clinicians should have Post graduate qualification and adequate experience in their respective fields and aware of their role and responsibilities as committee members.

15. As far as possible, based on the requirement of research area such as HIV, Genetic disorder, etc., specific patient group may also be represented in the Ethics Committee.

16. There should be no conflict of interest. The members shall voluntarily withdraw from the Ethics Committee meeting while making a decision on an application which evokes a conflict of interest which may be indicated in writing to the Chairman prior to the review and be recorded so in the minutes. All members shall sign a declaration on conflict of interest.

17. Subject experts or other experts may be invited to the meetings for their advice. But no such expert shall have voting rights.

18. This certificate is issued to you on the basis of declaration/ submission by you and that registration is sought for Independent Ethics Committee.

19. Ethics Committee should review such number of protocols of Bioavailability/Bioequivalence studies of approved drug molecules which should be commensurate to the infrastructure and facilities available with them.

20. Status report of the functioning of the Ethics Committee should be submitted to the CDSCO headquarters and concerned zonal office on quarterly basis.

21. The details of funding support and amount of honorarium, if any, payable to the ethics committee members should be defined in the Standard Operating Procedure (SOP) of the committee and records to this extent shall be maintained.

22. Ethics committee should have dedicated office with required infrastructure and supporting staff. SOP's for funding of the Ethics committee in order to support their operations must be maintained. The records of income & expenditure of Ethics Committee shall be maintained for review and inspection.

23. Funding mechanisms for the Ethics Committee to support their operations should be designed to ensure that the committees and their members have no financial incentive to approve or reject particular studies.

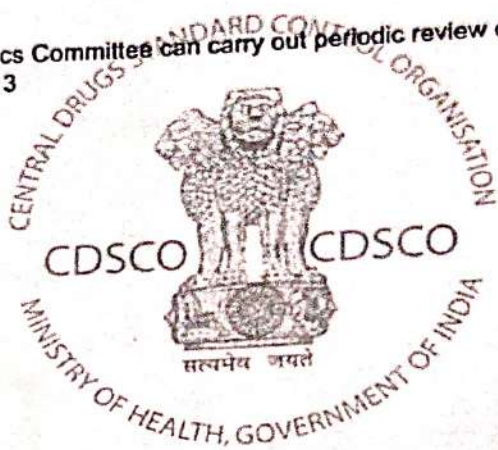
24. SOP's for funding of the Ethics committee in order to support their operations must be maintained. The records of income & expenditure of Ethics Committee shall be maintained for review and inspection.

25. The Chairman of Ethics Committee shall enter into MOU with head of institution, that necessary support and facilities and independence will be provided to Ethics Committee and their records will be maintained as long as required.

26. Ethics Committee may undertake the review and monitoring of clinical trial protocols of other investigator(s) and site(s) who do not have their IEC, subject to the condition that the other sites are within the local- regional and community settings similar to that of the registered Ethics committee. The approving Ethics Committee must be willing to accept their responsibilities for the study at such trial site(s) and the trial site(s) willing to accept such an arrangement.

27. Ethics Committee shall review and approve the suitability of the investigator and trial site for the proposed trial. The ethics committee shall undertake proper causality assessment of SAE's with the help of subject experts where required, for deciding relatedness and compensation, as per condition no (3) mentioned above.

However, it is informed that this Ethics Committee can carry out periodic review of ongoing clinical trials already approved by them prior to 30.01.2013



Digitally signed by S
ESWARA REDDY
Date: 2018.04.12
14:39:36 +05'30'
S ESWARA REDDY
(S. Eswara Reddy)
Drugs Controller General (I) &
Licensing Authority



ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2022-29th & ARIIA-Band Excellent

Ref. No. ISFCP/2024/1206(E)


Date:.....01/01/2024.....

BIOLOGICAL SAFETY

Committee Constitution

Name	Designation	Nature
Prof. Dr. G.D. Gupta	Director-cum-Principal	Chairman
Dr. R.K.Narang	Professor	Scientist - NDDS
Dr. Shamsher Singh	Professor	Member secretary
Dr. Arti Singh	Associate Professor	Coordinator
Dr. Sidharth Mehan	Professor	Member
Dr. Balak Das Kurmi	Professor & HOD	Member
Dr. Manish Kumar	Professor & HOD	Member
Dr. Sourabh Kosey	Professor & HOD	Member
Dr. Kalicharan	Professor	Member
Dr. Kamyra Goyal	Professor	Member
Dr. Shammy Jindal	Professor	Member
Dr. Sant Kumar Verma	Associate Professor & HOD	Member
Dr. Rajveer Singh	Associate Professor & HOD	Member
Dr. Preeti Patel	Associate Professor	Member
Nominee	DBT	Member

Date of constitution : 15-07-2018
Date of 1st Revision : 01-01-2021
Date of 2nd Revision : 01-07-2022
Date of 3rd Revision : 10-12-2022
Date of 4th Revision : 07-04-2023
Date of 4th Revision : 01-01-2024
Web-Link : <http://isfcp.org/i/committees/>


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)

GT Road, MOGA - 142 001 (Punjab) India

Mob.: 087250-55460, 55462, 098786-96688, 081465-62883 E-mail: director@isfcp.org, Website: www.isfcp.org

Responsibilities : To organize the meetings and maintain documentation as per the guidelines.

Duration of committee : Three years

Meetings Schedule : At least 2 meetings in a year. If any emergency, meeting will be called by the Director of the Institute

Record Maintained by : Coordinator/Secretary of the Committee



Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)

Prof. (Dr.) G. D. Gupta

Director-cum-Principal

**I.S.F. COLLEGE OF PHARMACY, MOGA
INSTITUTIONAL ANIMAL ETHICAL COMMITTEE
MINUTES OF THE MEETING**

Subject: Minutes of the 22nd meeting of INSTITUTIONAL ANIMAL ETHICAL COMMITTEE (IAEC) was held on 16/03/2018 at 09:30 AM in the conference room. The following members attended the meeting.

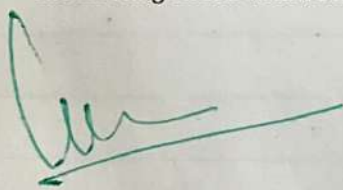
Sr. No.	Name of Member	Designation
1.	Dr. G.D. Gupta	Chairman, IAEC
2.	Dr. Anil Kumar	CPCSEA Nominee
3.	Dr. Sandeep Jain	Non-Scientific Socially Aware Member
5.	Dr. Ravindra K Rawal	Scientist from different biological discipline
6.	Dr. Amit Goyal	Scientist from different biological discipline
7.	Dr. Birinder Pal Singh	Veterinarian
8.	Dr. Anoop Kumar	Member Secretary
9.	Dr. K. Srinivasan (Scientist from outside of the Institute) was granted leave of absence.	

The meeting was chaired by Prof (Dr.) G.D. Gupta and Chairman welcome the members.

Agenda item no. 1: Confirmation of the last minutes of last meeting (Annexure 1).

Agenda item no. 2: Consideration of research protocols [Protocol No. 348, 350, 357-369] pre-circulated to all the members of the IAEC. The above mentioned protocols were discussed and approved as Annexure 2.

The meeting ended with vote of thanks to the chair.



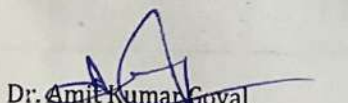
Prof. (Dr.) G.D. Gupta
Chairman, IAEC



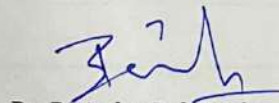
Dr. Anil Kumar
CPCSEA Main Nominee



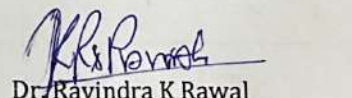
Dr. Sandeep Jain
Socially Aware Member



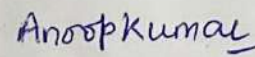
Dr. Amit Kumar Goyal
Sci. from different biological
discipline



Dr. Birinder Pal Singh
Veterinary Doctor



Dr. Ravindra K Rawal
Sci. from different biological
discipline



Dr. Anoop Kumar
Member Secretary

Annexure II

The below mentioned protocols were discussed and approved as mentioned below:

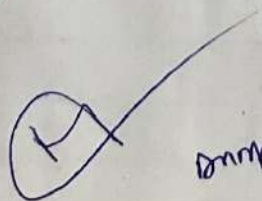
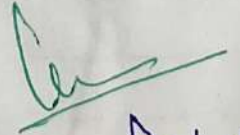
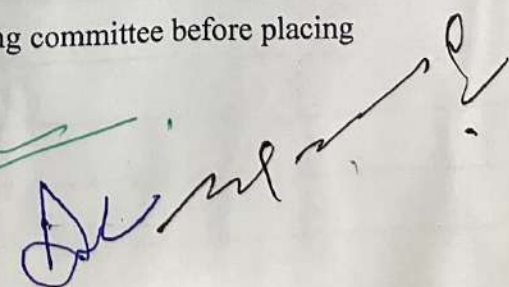
Protocol no.	Investigator	Title of Project	Demand	Approved by Experts	Comments
348	Dr. Anoop Kumar/ Ms. Meenakshi Gupta	Safety study of statin drugs in thymocytes and splenocytes of Swiss albino mice	10 Swiss albino mice	08 Swiss albino mice	• To submit the revised project as per suggestion.
350	Dr. Anoop Kumar/ Ms. Ritika Rana	Safety study of Fluvastatin in murine thymocytes and splenocytes.	10 Swiss albino mice	04 Swiss albino mice	• To submit the revised project as per suggestion
357	Dr. Amit Kumar Goyal/ Mr. AkshayChandel	Development and formulation of electronic nebulizer for the treatment of COPD in Guinea Pig.	30 Guinea pigs	20 Guinea pigs	• To submit the revised project as per suggestion
358	Dr. Neeraj Mishra/ Ms. Deepa	Development and characterization of cisplatin and probiotic loaded suppositories for the treatment of cervical cancer in Swiss albino mice.	42 Swiss female albino Mice	42 Swiss female albino Mice	• To submit the revised project as per suggestion
359	Dr. Goutam Rath/ Ms. Ekta Mishra	Development and characterization of long acting injectable implants of ganciclovir in Wistar rat.	27 Wistar Rats (Male)	27 Wistar Rats (Male)	• To submit the revised project as per suggestion
360	Dr. Amit Kumar Goyal / Mr. Jatin Singla	Development of Ocular dosage form for treatment of Diabetic Retinopathy in Rabbits.	42 New Zealand white rabbits	18 New Zealand white rabbits	• To submit the revised project as per suggestion • 18 animals would be rehabilitated • PI is advised to explore alternative means
361	Dr. Goutam Rath/ Ms. kirandeepkaur	To study the effect of synbiotic formulation in the treatment of sunburn in Wistar rat.	24 Male Wistar Rats	24 Male Wistar Rats	• To submit the revised project as per suggestion • 20 animals would be rehabilitated
362	Dr. Neeraj Mishra/ Ms. Navneet Kaur	Development and characterization of Morin hydrate loaded microparticulate carrier for management of hepatotoxicity in Wistar rat.	24 male Wister rats	24 male Wister rats	• To submit the revised project as per suggestion

Anoop Kumar

363	Dr. G.D. Gupta/Mr. Nipun Gupta/Mr. Tanmay S. Markandeywar	Bioavailability enhancement of Acyclovir using high density gastro-retentive pellets in Wistar rat.	24 Wistar Rats	24 Wistar Rats	To submit the revised project as per suggestion
364	Dr. Amit Kumar Goyal /Mr. Rahul Bhardwaj	Development of oral Immunotolerance formulation for management of Haemophilia in BALB/c mice.	30 Balb/c mice (Female)	30 Balb/c mice (Female)	<ul style="list-style-type: none"> To submit the revised project as per suggestion 25 animals would be rehabilitated
365	Dr. G.D. Gupta/ Ms. Sushmita Rana/Mrs. Daisy Arora	Development of oral tetanus toxoid vaccine using mannosylated bilosomes in BALB/c mice.	39 Balb/c mice	30 Balb/c mice	<ul style="list-style-type: none"> To submit the revised project as per suggestion 25 animals would be rehabilitated
366	Dr. Neeraj Mishra/Ms. Vandana Devi	Development and characterization of spray dried microspheres of Mesalamine and Probiotics for the treatment of Ulcerative Collitis in Wistar rat.	36 Wistar rats (Male)	30 Wistar rats (Either sex)	To submit the revised project as per suggestion
367	Dr. Goutam Rath/Ms. Veerpal Kaur	Development and characterization of Pellets for targeted delivery of 5-fluorouracil and phytic acid for treatment of colon cancer in Wistar rat.	45 Wistar Rats	35 Wistar Rats	To submit the revised project as per suggestion
368	Prof. G.D. Gupta / Ms. Daisy Arora	Design and development of novel delivery systems of Resveratrol for dermatological benefits.	27 Wistar rats/ 24 Balb/c mice	NIL	deferred for next meeting
369	Prof. G.D. Gupta/ Mr. Kapil Kumar Verma	Protective effect of Rumex hastatus leaves extract against hepatic and cognitive decline in animal models of liver cirrhosis	108 Wistar Rats	NIL	deferred for next meeting

Other recommendation during the meeting

- Signature of all PI/research scholar should be made on form B ✓
- Supporting literature of key reference to be attached with form B ✓
- Use paper of both side on form B ✓
- All the protocols have to be screened by internal screening committee before placing to main IAEC. ✓

23rd Meeting of Institutional Animal Ethical Committee (IAEC), 3rd Nov 2018

**I.S.F. COLLEGE OF PHARMACY, MOGA
INSTITUTIONAL ANIMAL ETHICAL COMMITTEE
MINUTES OF THE MEETING**

Subject: Minutes of the 23rd meeting of Institutional Animal Ethical Committee (IAEC) was held on 03/11/2018 at 10:30 AM in the conference room. The following members were present in the meeting.

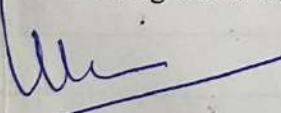
Sr. No.	Name of Member	Designation
1.	Prof. G.D. Gupta	Chairman, IAEC
2.	Prof. Anil Kumar	CPCSEA, Nominee
3.	Dr. Sandeep Jain	Non-Scientific Socially Aware, Member
4.	Dr. K. Srinivasan	Scientist from outside the Institute
5.	Dr. Anoop Kumar	Member Secretary
6.	Dr. Birinder Pal Singh	Veterinarian


Agenda Item No. 1:- Confirmation of the previous minutes of the 22nd meeting, held on 16/03/2018 (Annexure 1).

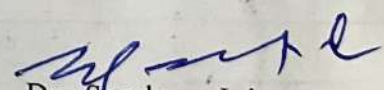
Agenda Item No. 2:- Two IAEC members, Dr. Ravindra K Rawal and Dr. Amit Goyal have resigned and relieved from this Institute. So, names of Dr. Shamsher Singh and Dr. Goutam Rath were considered, approved and forwarded to CPCSEA for necessary action.

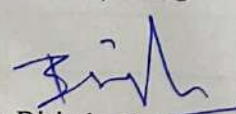
Agenda Item No. 3: Members of the teaching faculty, research scholars and post graduate students made their presentations for the approval of their research work on experimental animals. Following research proposals were discussed and approved as given in Annexure 2.

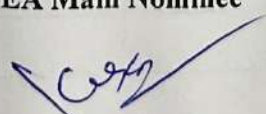
The meeting ended with vote of thanks to the chair.

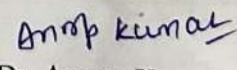

Prof. G.D. Gupta
Chairman, IAEC


Prof. Anil Kumar
CPCSEA Main Nominee


Dr. Sandeep Jain
Socially Aware Member


Dr. Birinder Pal Singh
Veterinary Doctor


Dr. K Srinivasan
Scientist from outside the Institute


Dr. Anoop Kumar
Member Secretary

Annexure 2

Prt no.	Investigator	Title of Project	Demanded	Approved	Remarks
368	Dr. Sanju Nanda/ Mrs. Daisy Arora/ Dr. G D Gupta	To study the protective effect of topical formulation of resveratrol against UV induced wrinkles in swiss albino mice	36 Swiss albino mice	36	To submit the revised project as per suggestion
369	Kapil Kumar Verma/ Dr. G.D. Gupta	Protective effect of rumexhastatus leaves extract against hepatic and cognitive decline in animal models of liver cirrhosis	108 Wistar rats	Nil	Withdrawn protocol
370	Dr. Anoop Kumar/ Ms. Aakriti Garg	Preliminary safety study of tamoxifen alone and in combination with ampicillin and curcumin in thymocytes and splenocytes of Swiss albino mice	06 Swiss albino mice	03 Swiss albino mice	To submit the revised project as per suggestion
371	Mr. Gaaminepreet Singh/ Mr. Devesh Aggarwal	Effects of combined AT1 and aldosterone receptor antagonism on ischemia reperfusion injury induced progressive kidney disease in rats.	42 Male Wistar rats	41 Wistar rats	To submit the revised project as per suggestion
372	Dr. Sidharth Mehan/ Ms. Kajal	Investigation of solanesol in combined model of intracerebral and intraventricular hemorrhage using autologous blood injection in rats	63 Wistar rats	61 Wistar rats	To submit the revised project as per suggestion
373	Dr. Anoop Kumar/ Mr. Kamal Sethi	Preliminary safety study of atorvastatin alone and in combination with neomycin and curcumin in thymocytes and splenocytes of Swiss albino mice	06 Swiss albino mice	03 Swiss albino mice	To submit the revised project as per suggestion
374	Mr. Gaaminepreet Singh/ Ms. Kamalpreet Kaur	Effects of transient hyperglycemia on ischemic post-conditioning mediated benefits against ischemia/ reperfusion-induced renal injury in rats	54 Male Wistar Rats	47 Wistar rats	To submit the revised project as per suggestion
375	Dr. Anoop Kumar /Ms. Nidhi Sharma	Preliminary safety study of auranofin alone and in combination with ampicillin and curcumin in thymocytes and splenocytes of Swiss albino mice	06 Swiss albino mice	03 Wistar rats	To submit the revised project as per suggestion
376	Mr. Gaaminepreet Singh /Mr. Jeremiah Ogbadu/ Prof. (Dr.) Y.K. Gupta	Investigating the influence of AT1 receptor antagonism on ischemia/ Reperfusion-induced acute kidney injury in aged rats	36 Male Wistar Rats	36 Male Wistar rats	To submit the revised project as per suggestion
377	Dr. Sidharth Mehan/ Ms. Pallavi Duggal	Effect of microtubule stabilizer cabazitaxel in intracerebroventricular injection of streptozotocin induced alzheimer's disease in rats	56 Wistar rats	52 Wistar rats	To submit the revised project as per suggestion

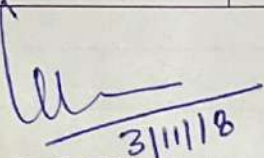
23rd Meeting of Institutional Animal Ethical Committee (IAEC), 3rd Nov 2018

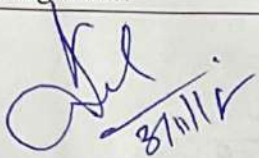
Prt no.	Investigator	Title of Project	Demanded	Approved	Remarks
378	Dr. Sidharth Mehan/ Mr. Ramit Sharma	Effects of solanesol in intacerebroventricular propionic acid induced experimental model of autism	63 Wistar rats	59 Wistar rats	To submit the revised project as per suggestion
379	Dr. Arjun Singh/ Mr. Rishab Jhanji/ Prof. (Dr.) Y.K. Gupta	Cardioprotective potential of naringenin on high fat (HF) diet in Swiss albino mice	54 Swiss albino mice	40 Swiss albino mice	To submit the revised project as per suggestion
380	Dr. Arjun Singh / Mr. Rishab Kumar / Dr. Shomaha	Efficacy study of plumbagin, naringenin alone or in combination with imipenem and cilastatin in Cecal Ligation and Puncture (CLP) induced polymicrobial sepsis in Swiss albino mice	86 Swiss albino mice	70 Swiss albino mice	To submit the revised project as per suggestion
381	Dr. Anoop Kumar/ MS. Riya Dogra	Preliminary safety study of thioridazine alone and in combination with amoxicillin and curcumin in thymocytes and splenocytes of Swiss albino mice	06 Swiss albino mice	03 Swiss albino mice	To submit the revised project as per suggestion
382	Dr. Shamsher Singh/ Ms. Shakshi Sharma	Neuroprotective effect of quercetin in combination with piperine against rotenone and iron supplement induced Parkinson disease in experimental rats	60 Wistar rats	48 Wistar rats	To submit the revised project as per suggestion
383	Dr. Shamsher Singh/ Ms. Urvashi/ Prof. (Dr.) Y.K. Gupta	Exploring the protective effect of verapamil alone and in combination with hesperidin against PTZ induced seizures in experimental model of mice	69 Swiss albino mice	55 Swiss albino mice	To submit the revised project as per suggestion
384	Dr. Anoop Kumar/ Mr. Balraj Singh	Preliminary safety study of fluvastatin alone and in combination with curcumin and fluconazole in thymocytes and splenocytes of Swiss albino mice	06 Swiss albino mice	03 Swiss albino mice	To submit the revised project as per suggestion
385	Dr. Anoop Kumar/ Mr. Bivek Shah/ Prof. (Dr.) Y.K. Gupta	Preliminary safety study of abscisic acid (ABA) alone and in combination with fluconazole and curcumin in thymocytes and splenocytes of Swiss albino mice	06 Swiss albino mice	03 Swiss albino mice	To submit the revised project as per suggestion
386	Dr. Shamsher Singh/ Mr. Khadga Raj Aran	Neuroprotective effect of L-theanine against tramadol induced Parkinson's like symptoms in experimental rats	60 Wistar rats	48 Wistar rats	To submit the revised project as per suggestion
387	Dr. Sidharth Mehan/ Mr. Mohammad Mamtaj Alam/ Dr. Arjun Singh	Effect of forskolin in combination with solanesol in methyl mercury induced experimental model of amyotrophic lateral sclerosis in rats	56 Wistar rats	52 Wistar rats	To submit the revised project as per suggestion

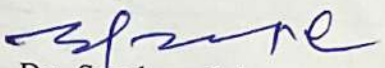
classmate

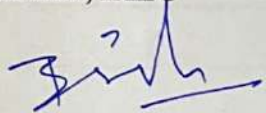
23rd Meeting of Institutional Animal Ethical Committee (IAEC), 3rd Nov 2018

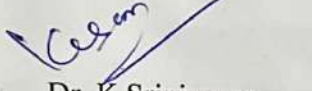
Prt no.	Investigator	Title of Project	Demanded	Approved	Remarks
388	Dr. Shamsher Singh/ Mr. Raju Paudel	Neuroprotective potential of oxiracetam alone and with zinc against propionic acid induced experimental Autism in rats	60 Male Wistar rats	48 Male Wistar rats	To submit the revised project as per suggestion
389	Dr. Sidharth Mehan/ Mr. Tarun Kapoor	Effect of forskolin in intracerebroduncle ethidium bromide induced experimental model of multiple sclerosis in rats	63 Wistar rats	59 Wistar rats	To submit the revised project as per suggestion
390	Dr. R.K. Narang/ Ms. Ankita Dadwal	Comparative studies of different drug loaded nano-carrier topical modules for treatment of psoriasis	36 Swiss Albino mice	36 Swiss albino mice	To submit the revised project as per suggestion
391	Dr. R.K. Narang/ Mr. Bharat Khurana	Design and development of novel delivery systems of resveratrol for treatment of psoriasis	36 Swiss Albino mice	36 Swiss albino mice	To submit the revised project as per suggestion
392	Dr. Goutam Rath/ Ms. Prabhjot Kaur/ Dr. S. Tamilvanan	Formulation and evaluation of nanocarrier based dry powder inhalers of paclitaxel and doxorubicin for the management of drug resistant lung cancer	24 Wistar rats	24 Wistar rats	To submit the revised project as per suggestion

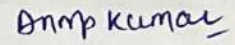

3/11/18
Prof. G.D. Gupta
Chairman, IAEC


3/11/18
Prof. Anil Kumar
CPCSEA Main Nominee


Dr. Sandeep Jain
Socially Aware Member


Dr. Birinder Pal Singh
Veterinary Doctor


Dr. K Srinivasan
Scientist from outside the Institute


Dr. Anoop Kumar
Member Secretary

I.S.F. COLLEGE OF PHARMACY, MOGA
INSTITUTIONAL ANIMAL ETHICAL COMMITTEE
MINUTES OF THE MEETING

Subject: Minutes of the 24th meeting of Institutional Animal Ethical Committee (IAEC) was held on 02/ 3/2019 at 10:30AM in the conference room. The following members were present in the meeting.

Sr.No.	Name Of member	Designation
1.	Prof. G.D. Gupta	Chairman, IAEC
2.	Prof. Anil Kumar	CPCSEA, Nominee
3.	Dr. Sandeep Jain	Non-scientific socially Aware, Member
4.	Dr. K. Srinivasan	Scientist from outside the Institute
5.	Dr. Shamsher Singh	Member Secretary
6.	Dr. Birinder Pal Singh	Veterinarian
7.	Dr. Goutam Rath	Scientist from different biological discipline

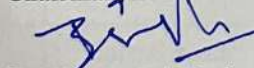
Agenda Item No.1:- Confirmation of previous minutes of the 23rd meeting held on 03/11/2018 (Annexure- I).

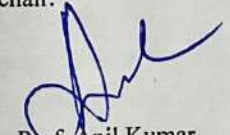
Agenda Item No.2:- The committee was informed that two of its IAEC members need to be replaced as one had resigned and other left for some administrative reasons. IAEC deliberated and recommended the names of MR. GP Singh in place of Dr. Anoop Kumar and Dr R.K Narang in place of Dr. Goutam Rath, respectively as proposed by the institute for the revision of IAEC.

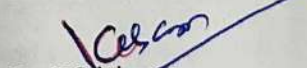
Agenda Item No.3:- Approval of animals for research protocol as per annexure 2.

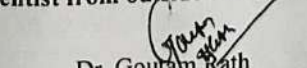
The meeting ended with vote of thanks to the chair.

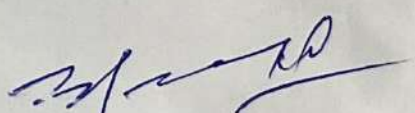

Prof. G.D. Gupta
Chairman, IAEC

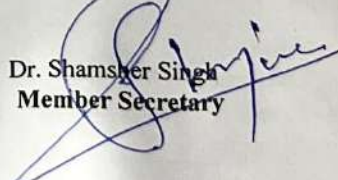

Dr. Birinder Pal Singh
Veterinary Doctor


Prof. Anil Kumar
CPCSEA Main Nominee


Dr. K. Srinivasan
Scientist from outside the Institute


Dr. Goutam Rath
Scientist from different biological discipline


Dr. Sandeep Jain
Socially Aware Member

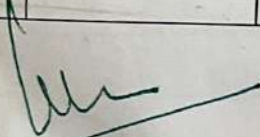

Dr. Shamsher Singh
Member Secretary

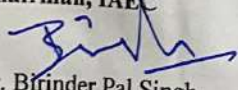
24th Meeting of Institutional Animal Ethical Committee (IAEC), 2nd March, 2019

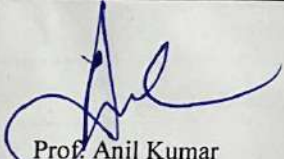
S.NO	Investigator	Title of Project	Demanded	Approved	Remarks
393	RishabhJhanji/ Dr. Arti Singh	Preliminary safety study of berberine chloride, gallic acid, piperine and rutin in combination with amoxicillin, erythromycin, tetracycline and streptomycin in thymocytes and splenocytes of Swiss albino mice.	8 Swiss albino mice	8 Swiss albino mice	To submit the revised protocol as per suggestion
394	Amit Sharma Dr. Vineet Kumar Rai	Development and evaluation of nanostructured lipid carrier loaded gel of tamoxifen for the treatment of skin psoriasis	30 Swiss albino mice	30 Swiss albino mice	To submit the revised protocol as per suggestion
395	Amresh Kumar Singh Dr. GoutamRath	Development and characterization of chlorhexidine loaded buccoadhesive gargle for the treatment of throat infection	18 Wistar rats	18 Wistar rats	To submit the revised protocol as per suggestion
396	ChandanNohria Dr. Tanmay S Markandeywar	Development and characterization of Silver Nanoparticle Loaded Hydrogen for the treatment of Cutaneous Wound	30 Wistar rats	30 Wistar rats	To submit the revised protocol as per suggestion
397	Deepak Kupadhyay Dr. Vineet Kumar Rai	Development and characterization of finesteride loaded nanoemulsion for the treatment of androgenic alopecia.	16 Swiss albino mice	16 Swiss albino mice	To submit the revised protocol as per suggestion
398	Dushyant Bhatia Mrs. Daisy Arora	Development and characterization of Brimonidine loaded coated microemulsion for the treatment of glaucoma	18 albino rabbits	18 albino rabbits	To submit the revised protocol as per suggestion
399	Harjit Singh Dr.Sukhbirkaur	To develop and characterize doxorubicin loaded folic acid conjugated gelatin nanoparticle for lung cancer	24 Wistar rats	24 Wistar rats	To submit the revised protocol as per suggestion
400	Harpal Kaur Dr.Neeraj Mishra	Development and characterization of spray dried microparticle of cisplatin for treatment of cervical cancer.	18 Swiss albino mice	18 Swiss albino mice	To submit the revised protocol as per suggestion
401	Navjotjoshi Dr.Neeraj Mishra	Development and characterization of topical delivery of silver sulfadiazine loaded in- situ spray gel for burns	24 Wistar rats	24 Wistar rats	To submit the revised protocol as per suggestion
402	Sandeep Kaur Dr.Sukhbirkaur	Development and characterization of clotrimazole loaded	12 Swiss albino mice	12 Swiss albino mice	To submit the revised protocol as per

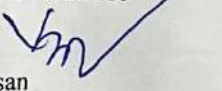
24th Meeting of Institutional Animal Ethical Committee (IAEC), 2nd March, 2019


		mucoadhesive emulsomes for the treatment of valvovaginal candidiasis			suggestion
403	Serajalam Siddique Dr. Goutam Rath	Development and characterization of cyclosporine loaded bioadhesion nanoparticles the treatment of dry eye	12 Rabbit	09 Rabbit	To submit the revised protocol as per suggestion
404	ABHINAVA GARG Dr. Goutam Rath	Development and characterization of Hyaluronic acid hydrogen containing selenium nanoparticles and Ketoconazole for the management of Seborrhoeia dermatitis.	24 Wistar rats	24 Wistar rats	To submit the revised protocol as per suggestion
405	Mohit Sahni Dr. Neeraj Mishra	Development and evaluation of chitosan Coated Microparticle Containing Budesonides and Salbutamol for the Management of Chronic obstructive Pulmonary Disease	18 Wistar rats	18 Wistar rats	To submit the revised protocol as per suggestion
406	Pooja Dr. Goutam Rath	Development and evaluation of 5-fluorouracil loaded nanofibrous film for the treatment of Stomach cancer	30 Wistar rats	30 Wistar rats	To submit the revised protocol as per suggestion
407	Rajveer Kaur Dr. Neeraj Mishra	Development and evaluation of Doxorubicin and metformin loaded microparticles for Colon Cancer	18 Wistar rats	18 Wistar rats	To submit the revised protocol as per suggestion
408	Dr. Punniyakoti V.t. Garima Bansal	Synthesis, characterization and biological evaluation of 2, 4-thiazolidinedione analogues as Anti-diabetic agents.	40 C57BL/6J mice	40 C57BL/6J mice	To submit the revised protocol as per suggestion

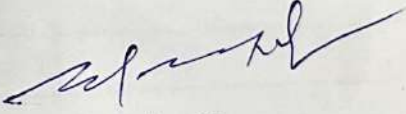

Prof. G.D. Gupta
Chairman, IAEC


Dr. Brinder Pal Singh
Veterinary Doctor


Prof. Anil Kumar
CPCSEA Main Nominee


Dr. K Srinivasan
Scientist from outside the Institute


Dr. Goutam Rath
Scientist from different biological discipline


Dr. Sandeep Jain
Socially Aware Member


Dr. Shambher Singh
Member Secretary

ISF COLLEGE OF PHARMACY, MOGA
(An Autonomous College)
INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

MINUTES OF THE MEETING

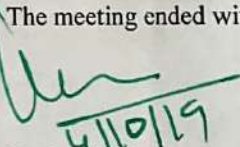
Subject: Minutes of the 25th meeting of Institutional Animal Ethical Committee (IAEC) was held on 04/ 10/2019 at 9.00 AM in the conference room. The following members were present in the meeting.

Sr.No.	Name Of member	Designation
1.	Dr. G.D. Gupta	Chairman, IAEC
2.	Dr. Anil Kumar	CPCSEA, Nominee
3.	Dr. Sandeep Jain	Socially Aware, Nominee
4.	Dr. K. Srinivasan	Scientist from outside the Institute
5.	Dr. Shamsher Singh	Member Secretary
6.	Dr. Birinder Pal Singh	Veterinarian
7.	Dr. G. P. Singh	Scientist from different biological discipline

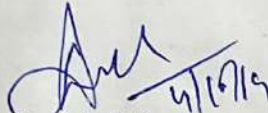
Agenda Item No.1:- Confirmation of previous minutes of the 24rd meeting held on 02 March 2019 (Annexure 1).

Agenda Item No.2:- Approval of animals for research protocol (Annexure 2).

The meeting ended with vote of thanks to the chair.



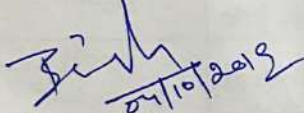
Prof. G.D. Gupta
Chairman, IAEC



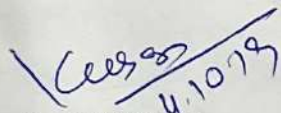
Prof. Anil Kumar
CPCSEA Main Nominee



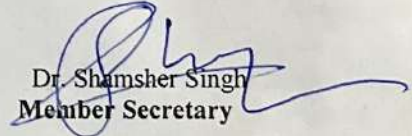
Dr. Sandeep Jain
Socially Aware Member



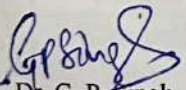
Dr. Birinder Pal Singh
Veterinarian



Dr. K. Srinivasan
Scientist from outside the Institute



Dr. Shamsher Singh
Member Secretary



Dr. G. P. Singh
Scientist from different biological discipline

ISF COLLEGE OF PHARMACY, MOGA
(An Autonomous College)
INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

(Annexure -II)

MINUTES OF THE MEETING

S.NO	Investigator	Title of Project	Demanded	Approved	Remarks
409	Aarti Tiwari/ Dr. Sidhartha Mehan	Effect of ERK/MAPK inhibitor α -mangostin in intracerebroventricular propionic acid induced experimental model of Autism.	48 Wistar rats	42 Wistar rats	To submit the revised protocol as per suggestion
410	Abha Kumari/ Dr. Gaaminpreet Singh	Pharmacological effects of PDE4 inhibitor roflumilast in CLP induced septic cardiomyopathy in rats.	57 Wistar rats	42 Wistar rats	To submit the revised protocol as per suggestion
411	Akansh Goel/ Mrs. Rimpi Arora	Pharmacological evaluation of Embelin in Benzo [a]pyrene induced experimental model of cognitive and memory impairment in mice.	40 Swiss Albino mice	34 Swiss Albino mice	To submit the revised protocol as per suggestion
412	Anirban Ghosh/ Dr. Shamsher Singh	Neuroprotective effect of microtubule stabilizer, brain penetrant triazolopyrimidine against fluid percussion model of traumatic brain injury in experimental rats.	56 Wistar rats	38 Wistar rats	To submit the revised protocol as per suggestion
413	Bhawna Garg/ Dr. Shamsher Singh	Neuroprotective effect of Rutin alone and in combination with piperine against STZ induced memory deficit in rat via nrf-2 and HO1 signaling pathway.	56 Wistar rats	53 Wistar rats	To submit the revised protocol as per suggestion
414	Ehraz Mehmood Siddiqui/ Dr. Sidhartha Mehan	Investigation of IGF-1/GLP-1 receptor activator 4-hydroxyisoleucine in intracerebral hemorrhage using autologous blood injury in rats.	48 wistar rats	42 wistar rats	To submit the revised protocol as per suggestion
415	Elizabeth Minj/ Dr. Sidhartha Mehan	Effect of Nrf2/HO-1 modulator acetyl-11-keto-beta-boswellic acid in mercury induced experimental model of amyotrophic lateral sclerosis in rats.	48 wistar rats	42 wistar rats	To submit the revised protocol as per suggestion
416	Kriti Gupta/ Dr. Gaaminpreet Singh	Pharmacology effect of PDE4 inhibitor Roflumilast in CLP induced acute kidney injury in rats.	57 Wistar rats	42 Wistar rats	To submit the revised protocol as per suggestion

[Signature] 4/10/19

 [Signature]

 [Signature] 4/10/19

25th Meeting of Institutional Animal Ethical Committee (IAEC), 4th October, 2019

417	Kuldeep Singh Jadaun/ Dr. Sidhartha Mehan	Investigation of PI3K-AKT/mTOR inhibitor Chrysophanol in intracerebral haemorrhage using autologous blood injury in rats.	48 Swiss albino mice	42 Wistar rats	To submit revised protocol & suggestion
418	Mahadev Dhāmi/ Dr. Shamsher Singh	Neuroprotective effect of Fucoxanthin against intracerebral ventricular streptozotocin (ICV-STZ) induced cognitive impairment by Rescuing IP3/GSK3β pathway.	48 Wistar rats	40 Wistar rats	To submit revised protocol & suggestion
419	Nidhi Sharma/ Dr. Sidhartha Mehan	Investigation of Solanesol as SIRT-1 activator in intracerebro-peduncle ethidium bromide induced experimental model of multiple sclerosis in rats.	48 Wistar rats	42 Wistar rats	To submit revised protocol & suggestion
420	Nitish/ Dr. Sidhartha Mehan	Effect of JAK/STAT-PPARγ receptor modulator guggulsterone in intracerebro-peduncle ethidium bromide induced experimental model of multiple sclerosis in rats.	48 Wistar rats	42 Wistar rats	To submit revised protocol & suggestion
421	Pallavi Sen/ Dr. Gaaminpreet Singh	Pharmacological effects of Wnt/ β-catenin antagonist in sepsis induced cardiomyopathy in rats.	48 wistar rats	42 wistar rats	To submit revised protocol & suggestion
422	Ragini Singh/ Dr. Gaaminpreet Singh	Pharmacology effects of protein tyrosine phosphate inhibitor in ischemia reperfusion induce acute kidney injury in rats.	48 wistar rats	42 wistar rats	To submit revised protocol & suggestion
423	Rajeshwar Kumar Yadav/ Dr. Sidhartha Mehan	Effect of dual c-JNK/ p38 MAPK inhibitor apigenin in mercury induced experimental model of amyotrophic lateral sclerosis in rats.	48 Wistar rats	42 Wistar rats	To submit revised protocol & suggestion
424	Rashmi Bhushan/ Dr. Shamsher Singh	Neuroprotective effect of allicin against rotenone and manganese induced Parkinsonism in rats via modulation of JNK and activation of Nrf2/ERK pathways.	55 Wistar rats	48 Wistar rats	To submit revised protocol & suggestion
425	Rinka Juneja/ Mrs. Rimpi Arora	Pharmacological evaluation of chebulinic acid in Benzo(α)pyrene induced experimental model of cognitive and memory impairment in mice.	40 Swiss albino mice	38 Swiss albino mice	To submit revised protocol & suggestion

[Signature] 4/10/19

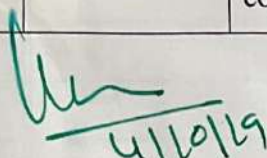
 [Signature]

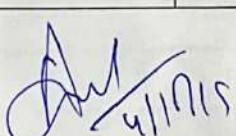
 [Signature] 4/10/19


 [Signature]

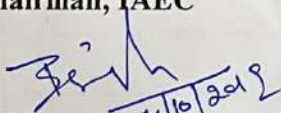
25th Meeting of Institutional Animal Ethical Committee (IAEC), 4th October, 2019

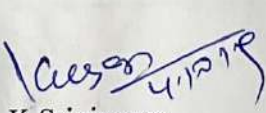
426	Royal Patel/ Dr. Shamsher Singh	Neuroprotective effect of Andrographolide against intracerebroventricular streptozotocin induced memory deficit in rat targeting - Nrf2/Nf-κB pathway.	56 Wistar rats	47 Wistar rats	To submit the revised protocol as per suggestion
427	Saloni Rahi/ Dr. Sidhartha Mehan	Neuroprotective potential of Smo-Shh agonist pumorphamine in intracerebroventricular propionic acid induced experimental model of autism.	48 Wistar rats	42 Wistar rats	To submit the revised protocol as per suggestion
428	Sanjana Chahuan/ Dr. Shamsher Singh	Attenuating Fluoxetine therapeutic dose and its side effect in combination with Celastrus paniculatus against modified chronic unpredictable stress model of depression in mice.	56 Swiss albino mice	41 Swiss albino mice	To submit the revised protocol as per suggestion
429	Shivam kumar pandey/ Dr. Shamsher Singh	Investigate the Neuroprotective outcome of L- theanine against detrimental effect of LPS induce Parkinson's like symptoms in experimental rats.	55 Wistar rats	54 Wistar rats	To submit the revised protocol as per suggestion
430	Sneha Pandey/ Dr. Gaaminpreet Singh	Pharmacological effect of Wnt/ β- catenin antagonist in cisplatin induced nephrototoxicity in rats.	39 Wistar rats	39 Wistar rats	To submit the revised protocol as per suggestion
431	Suraj Sharma/ Dr. Shamsher Singh	Effect of cerebrolysin against chemotherapy (carmustine) induced cognitive impairment in albino mice.	40 Swiss albino mice	39 Swiss albino mice	To submit the revised protocol as per suggestion


4/10/19
Prof. G.D. Gupta
Chairman, IAEC

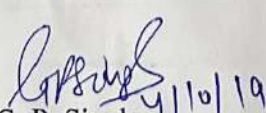

4/10/19
Prof. Anil Kumar
CPCSEA Main Nominee


Dr. Sandeep Jain
Socially Aware Member


04/10/2019
Dr. Birinder Pal Singh
Veterinary Doctor


4/10/19
Dr. K Srinivasan
Scientist from outside the Institute


Dr. Shamsher Singh
Member Secretary


4/10/19
Dr. G. P. Singh
Scientist from different biological discipline

26th Meeting of Institutional Animal Ethical Committee (IAEC), 31st December, 2019

S.NO	Investigator	Title of Project	Demanded	Approved	Remarks
432	Arti Singh	Pharmacological Exploration of Mitochondrial Metabolomics to Treat Chemotherapy Induced Cognitive Impairments.	120 Swiss Albino Mice	112 Swiss Albino Mice	To submit the revised protocol as per suggestion
433	Tania Bajaj/Dr.G.D. Gupta	Development and evaluation of mebendazole loaded biocompatible metal organic frameworks for treatment of neurological disorders.	90 Wistar rats	30 Wistar rats	To submit the revised protocol as per suggestion
434	Amandeep Singh/Dr. Raj Kumar Narang	Development, characterization and evaluation of mesalamine loaded microparticle carrier for the management of ulcerative colitis.	48 Wistar rats	48 Wistar rats	To submit the revised protocol as per suggestion
435	Jagseer Singh/Dr. Pooja Chawla	Design and synthesis of 4-Thiazolidinone analogues as anti-inflammatory agents	36 Wistar Rats	36 Wistar Rats	To submit the revised protocol as per suggestion
436	Devendra Kumar/Dr. Bhupender Kumar	Synthesis of novel Indole containing N-heterocyclic derivatives and evaluation for their antioxidant and anti-inflammatory potential	36 Wistar rats	36 Wistar rats	To submit the revised protocol as per suggestion
437	Shalini Jaswal/Dr. Vikram Deep Monga	Design and synthesis of new Thiazolidinedione-pyrazole hybrids as pancreatic lipase inhibitor	30 Wistar rat	30 Wistar rat	To submit the revised protocol as per suggestion
438	Vikas Sharma/Dr. Charan Singh	Design and development of Self-Assembled Albendazole loaded phospholipid complex for the efficient Therapy of neurocysticercosis	12 Wistar rats	12 Wistar rats	To submit the revised protocol as per suggestion
439	Sushil kumar Singh / Dr.Sankha bhattacharya	Skin irritation study of chitosan-based Pickering emulsion of quercetin in Wistar rat	12 Wistar rats	6 Wistar rats	To submit the revised protocol as per suggestion
440	Vishesh Singh/ Miss Daisy Arora	Development and characterization of mucoadhesive polymeric micelles of Resvestrol for nose to brain delivery for the treatment of Parkinson's disease	24 Wistar rats	24 Wistar rats	To submit the revised protocol as per suggestion
441	Ajmer Singh/ Dr. Vineet Kumar Rai	To analyse safety and efficacy of NLC based topical dosage form for stable and delivery of anthraline and	36 Swiss Albino mice	30 Swiss Albino mice	To submit the revised protocol as per



ISF College of Pharmacy (An Autonomous College)
NAAC Accredited "A" Grade College
GT Road, Ghal-Kalan, MOGA-142 001 (Pb.)
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



INSTITUTIONAL ANIMAL ETHICAL COMMITTEE (IAEC)

MINUTES OF THE MEETING

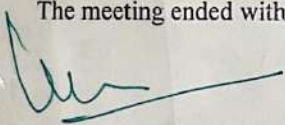
Minutes of the 26th meeting of Institutional Animal Ethical Committee (IAEC) was held on 31/ 12/2019 at 10.00 AM in the conference room. The following members were present in the meeting.

Sr.No.	Name Of member	Designation
1.	Dr. G.D. Gupta	Chairman, IAEC
2.	Dr. Anil Kumar	CPCSEA, Nominee
3.	Dr. Sandeep Jain	Socially Aware, Nominee
4.	Dr. K. Srinivasan	Scientist from outside the Institute
5.	Dr. R. K. Narang	Scientist from different biological discipline
6.	Dr. Birinder Pal Singh	Scientist from different biological discipline
7.	Dr. Shamsher Singh	Member Secretary

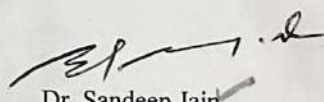
Agenda Item No.1:- Confirmation of previous minutes of the 25th meeting held on [REDACTED] (Annexure 1).

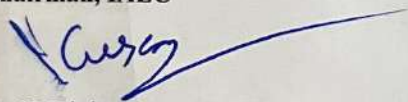
Agenda Item No.2:- Approval of animals for research protocol (Annexure 2).

The meeting ended with vote of thanks to the chair.


Prof. G.D. Gupta
Chairman, IAEC

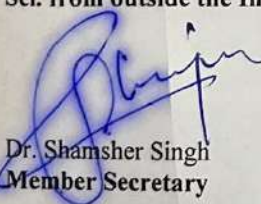

Prof. Anil Kumar
CPCSEA Main Nominee


Dr. Sandeep Jain
Socially Aware Member


Dr. K. Srinivasan
Sci. from outside the Institute

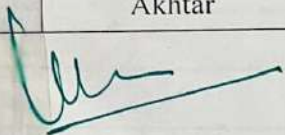

Dr. Birinder Pal Singh

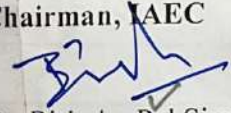

Dr. R. K. Narang
Sci. from different biological discipline

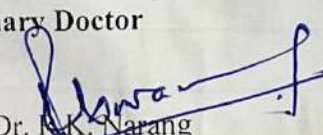

Dr. Shamsher Singh
Member Secretary

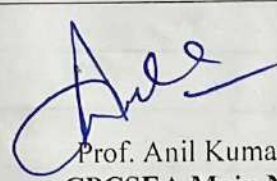
26th Meeting of Institutional Animal Ethical Committee (IAEC), 31st December, 2019

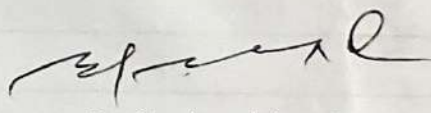
		coal tar on Swiss Albino mice against Psoriasis			suggestion
442	Supratim Das/ Dr. Sukhbir kaur	Development and characterization of Khellin loaded ultra-deformable vesicular gel containing vitamin for the treatment of Vitiligo	30 Wistar rats	Deferred	To submit the revised protocol as per suggestion
443	Sumon Giri/Mr. Tanmay S Markandeywar Dr. Gaaminpreet Singh	Development and characterization of In-situ gel of Monocaprin for gonorrhoeae eye infection	18 Wistar rats	Deferred	To submit the revised protocol as per suggestion
444	Shweta Rai/ Dr. Sankha bhattacharya	Pharmacokinetic profiling, tissue distribution and histopathological studies of melatonin conjugated solid lipid nanoparticles of cisplatin in Wistar rats.	30 Wistar rats	30 Wistar rats	To submit the revised protocol as per suggestion
445	Balram Singh/ Dr. Gaurav Goyal	To evaluate the pharmacokinetic profile of liposomal oral spray formulation of Glutathione in comparison to plain and marketed Glutathione on White rabbits using open, crossover design.	3 Rabbits	3 Rabbits	To submit the revised protocol as per suggestion
446	Gourav Grover/ Dr. Md. Jawaid Akhtar	Design and synthesis of 1,2,4-triazine derivatives for anticonvulsant activity	60 Swiss Albino mice	60 Swiss Albino mice	To submit the revised protocol as per suggestion

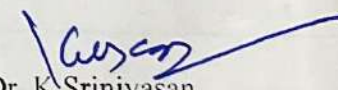

Prof. G.D. Gupta
Chairman, IAEC

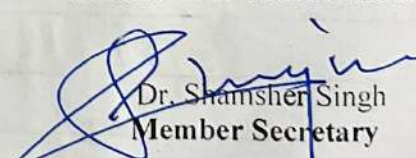

Dr. Birinder Pal Singh
Veterinary Doctor


Dr. K.K. Narang
Scientist from different biological discipline


Prof. Anil Kumar
CPCSEA Main Nominee


Dr. Sandeep Jain
Socially Aware Member


Dr. K. Srinivasan
Scientist from outside the Institute


Dr. Shamsheer Singh
Member Secretary



ISF College of Pharmacy (An Autonomous College)

NAAC Accredited "A" Grade College

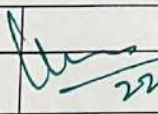
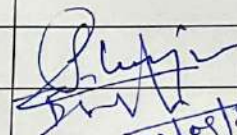
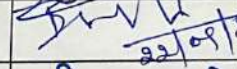
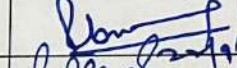

GT Road, Ghal-Kalan, MOGA-142 001 (Pb.)

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)

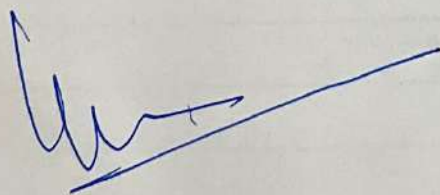


ISF COLLEGE OF PHARMACY, MOGA (An Autonomous College) INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

Following members were present in 27th online meeting of Institutional Animal Ethical Committee (IAEC) held on 27/09/2020 at 11.00 AM in the conference room.

Sr.No.	Name of member	Designation	
1.	Dr. G.D. Gupta	Chairman, IAEC	 22/9/2020
2.	Dr. Anil Kumar	CPCSEA, Nominee	
3.	Dr. Sandeep Jain	Socially Aware, Nominee	
4.	Dr. K. Srinivasan	Scientist from outside the Institute	
5.	Dr. Shamsher Singh	Member Secretary	
6.	Dr. Birinder Pal Singh	Veterinarian	 22/09/2020
7.	Dr. R. K. Narang	Scientist from different biological discipline	
8.	Dr. G. P. Singh	Scientist from different biological discipline	 22/9/2020

Online meeting conducted due to
lockdown of covid 19.



27th Meeting of Institutional Animal Ethical Committee (IAEC), 22nd September, 2020

INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

MINUTES OF THE MEETING

Minutes of the 27th meeting of Institutional Animal Ethical Committee (IAEC) was held online on 22.09.2020 at 11.00 AM, in the conference room, ISF College of Pharmacy, Moga. The following members were present in the meeting.

Sr.No	Name of member	Designation
1.	Dr. G.D. Gupta	Chairman, IAEC
2.	Dr. Anil Kumar	CPCSEA, Nominee
3.	Dr. Sandeep Jain	Socially Aware, Nominee
4.	Dr. K. Srinivasan	Scientist from outside the Institute
5.	Dr. Birinder Pal Singh	Veterinarian
6.	Dr. R. K. Narang	Scientist from different biological discipline
7.	Dr. G. P. Singh	Scientist from different biological discipline
8.	Dr. Shamsheer Singh	Member Secretary

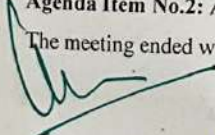
Agenda Item No.1: Committee unanimously approved previous minutes of meeting held on 31.12.2019. Member secretary apprised that Protocol no. 435-446 successfully completed and final report submitted.

Member secretary also apprised the member the current status and stock of animals in the central animal house as mentioned below-

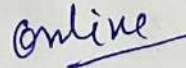
Rats		Mice		Rabbits		Guinea Pig	
Male	Female	Male	Female	Male	Female	Male	Female
145	167	313	445	01	01	01	01

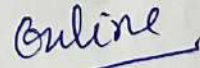
Agenda Item No.2: Approval of animals for research protocol (Annexure 1).

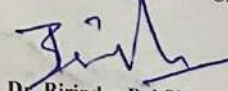
The meeting ended with vote of thanks to the Chair.

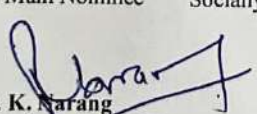

Prof. G.D. Gupta
Chairman, IAEC

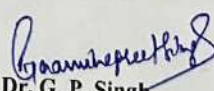

Prof. Anil Kumar
CPCSEA Main Nominee

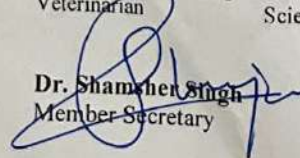

Dr. Sandeep Jain
Socially Aware Member


Dr. K. Srinivasan
Scientist from outside the Institute


Dr. Birinder Pal Singh
Veterinarian


Dr. R. K. Narang
Scientist from different biological discipline


Dr. G. P. Singh
Scientist from different biological discipline


Dr. Shamsheer Singh
Member Secretary

27th Meeting of Institutional Animal Ethical Committee (IAEC), 22nd September, 2020

The below mentioned protocols were discussed and approved as mentioned below -

S.No.	Investigator	Title of Project	Demand ed	Approved	Comments
447	Sania Grover/ Dr. Shamsher Singh	Protective effect of Imperatorin and Sericin in PTZ and Kainic acid-induced epilepsy in rats targeting GABA-T and AKT/m-Tor pathway.	156 Wistar rats	136 (1 st Yr= 72 2 nd Yr= 64)	<ul style="list-style-type: none"> Animals of 2nd year will be issued to subject to submission of first year report. Revised the protocol as per suggestion given
448	Anupam Awasthi/ Dr. Shamsher Singh	Investigating neuroprotective potential of phytochemicals in experimental models of Parkinsonism: Possible neurotransmitters and molecular analysis.	192 Wistar rats	144 (1 st Yr= 72 2 nd Yr= 72)	<ul style="list-style-type: none"> Animals of 2nd year will be issued to subject to submission of first year report. Revised the protocol as per suggestion given
449	Khadga Raj Aran/ Dr. Shamsher Singh	Protective Effects of Exogenous Polyamine in Age Associated Neurodegeneration Using Experimental Models of Alzheimer's Disease	140 Wistar rats	128 (1 st Yr= 64 2 nd Yr= 64)	<ul style="list-style-type: none"> Animals of 2nd year will be issued to subject to submission of first year report. Revised the protocol as per suggestion given
450	Ayush Gandhi/ Dr. Shamsher Singh	Neuroprotective Effect of Andrographolide in Rotenone and Iron Supplementation Induced Parkinsonism in Mice.	48 Swiss Albino mice	42 Swiss Albino mice	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
451	Lav Goyal/ Dr. Shamsher Singh	Protective effect of Guggulsterone in TBI model of experimental rats via amelioration of TNF- α /NRF2 expression..	41 Wistar rats	34 Wistar rats	Revised the protocol as per suggestion given
452	Lovekesh Singh/ Dr. Shamsher Singh	To investigate the neuroprotective effect of Honokiol in STZ induced Alzheimer's Disease in experimental rats.	41 Wistar rats	27+7* Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given 7* animals will be animal shared with Protocol 449)
453	Komal/ Dr. Shamsher Singh	Neuroprotective effect of Honokiol in 3-nitro propionic acid induced Autism in experimental rats through downregulating Akt-mTOR pathway.	41 Wistar rats	34 Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
454	Aarti Sharma/ Dr. Sidharth Mehan	Investigation of PI3K-AKT/mTOR signaling inhibitor chrysophanol in intracerebroventricular propionic acid-induced experimental model of autism in rats.	39 Wistar rats	39 Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
455	Ambika/ Dr. Sidharth Mehan	Investigation of IGF-1/GLP-1 signaling activator 4-hydroxyisoleucine in methylmercury-induced experimental model of amyotrophic lateral sclerosis in rats.	39 Wistar rats	39 Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
456	Rishabh Khera/ Dr. Sidharth Mehan	Neuroprotective potential of JAK/STAT-PPAR γ signaling modulator guggulsterone in intracerebroventricular propionic acid-induced experimental model of autism in rats.	39 Wistar rats	20+19* Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given 19* will be shared with Protocol no 455

Shyam
29/9/20

Dr. Singh

Dr. Singh
29/9/20


32/9

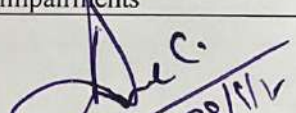
27th Meeting of Institutional Animal Ethical Committee (IAEC), 22nd September, 2020

457	Shubham Upadhayay/ Dr. Sidharth Mehan	Effect of Nrf2/HO-1 signaling activator acetyl-11-keto-beta-boswellic acid in intracerebroduncle ethidium bromide-induced experimental model of multiple sclerosis in rats.	39 Wistar rats	39 Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
458	Ms. Neelima/ Dr. Arti Singh	Investigating the protective potential of berberine in cancer chemotherapy induced cognitive impairments.	63 Swiss Albino Mice	56 Swiss Albino Mice	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
459	Mr. Kuleshwar/ Dr. Arti Singh	Investigating the therapeutic potential of Coenzyme Q10 in cancer chemotherapy induced cognitive impairments.	63 Swiss Albino Mice	56(24+32*) Swiss Albino Mice	<ul style="list-style-type: none"> Revised the protocol as per suggestion given 32* animals will be shared with protocol 458)
460	Loveinder Bhardwaj/ Dr. Gaaminepreet Singh	Pharmacological targeting of calcium sensing receptors (CaSR) for prevention of sepsis induced cardiac dysfunction in rats.	58 Wistar rats	42 Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given
461	Ashish kumar/ Dr. Gaaminpreet Singh	Pharmacological targeting of renal calcium sensing receptors (CaSR) for prevention of sepsis induced acute kidney injury in rats.	58 Wistar rats	50 (14+28*) Wistar rats	<ul style="list-style-type: none"> Revised the protocol as per suggestion given 28* animals will be shared with protocol no 460

Extension of protocols-

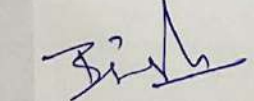
394	Dr. Vineet Rai	Squalene integrated NLC based gel of Tamoxifen citrate for efficient treatment of Psoriasis in Mice	30 Swiss Albino Mice	NIL	Protocol has been extended w.e.f. 01.10.2020 for one year
432	Urbhasi	Pharmacological Exploration of Mitochondrial Mebolomics to treat chemotherapy and use cognitive impairments	112 Swiss Albino Mice	NIL	Protocol has been extended w.e.f. 01.10.2020 for one year

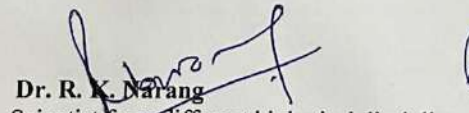

Prof. G.D. Gupta
 Chairman, IAEC

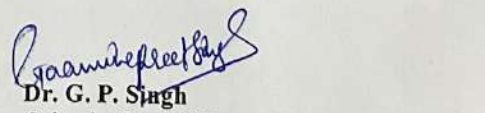

Prof. Anil Kumar
 CPCSEA Main Nominee

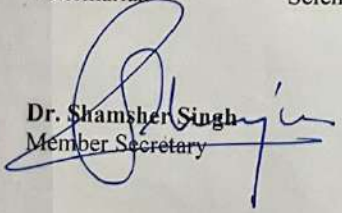
online
Dr. Sandeep Jain
 Socially Aware Member

online
Dr. K. Srinivasan
 Scientist from outside the Institute


Dr. Birinder Pal Singh
 Veterinarian


Dr. R. K. Narang
 Scientist from different biological discipline


Dr. G. P. Singh
 Scientist from different biological discipline


Dr. Shamsheer Singh
 Member Secretary

INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

MINUTES OF THE MEETING

Minutes of the 28th meeting of Institutional Animal Ethical Committee (IAEC) was held online on 30.10.2020 at 10.00 AM, in the conference room, ISF College of Pharmacy, Moga. The following members were present in the meeting.

Sr.No	Name of member	Designation
1.	Dr. G.D. Gupta	Chairman, IAEC
2.	Dr. Anil Kumar	CPCSEA, Nominee
3.	Dr. Sandeep Jain	Socially Aware, Nominee
4.	Dr. K. Srinivasan	Scientist from outside the Institute
5.	Dr. Birinder Pal Singh	Veterinarian
6.	Dr. R. K. Narang	Scientist from different biological discipline
7.	Dr. G. P. Singh	Scientist from different biological discipline
8.	Dr. Shamsher Singh	Member Secretary

Agenda Item No.1: Committee unanimously approved previous minutes of meeting held on 22.09.2020..

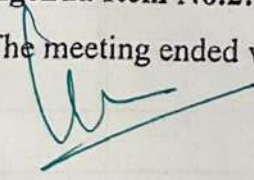
1.1 Member secretary also appraised the member the current status and stock of animals in the central animal house as mentioned below-

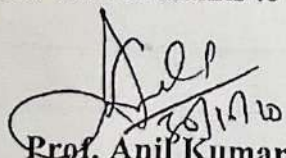
Rats		Mice		Rabbits		Guinea Pig	
Male	Female	Male	Female	Male	Female	Male	Female
145	167	313	445	01	01	01	01

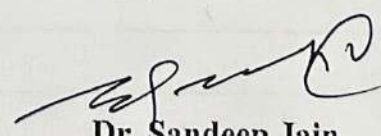
1.2. Committee members suggested to submit the detail of animal's record of trading as per Form E.


Agenda Item No.2: Approval of animals for research protocol (Annexure 1).

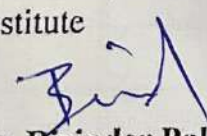
The meeting ended with vote of thanks to the Chair.

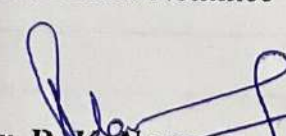

Prof. G.D. Gupta
Chairman, IAEC
Institute

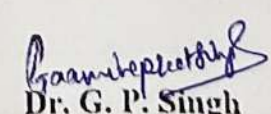

Prof. Anil Kumar
CPCSEA Main Nominee



Dr. Sandeep Jain
Socially Aware Member


Dr. K. Srinivasan
Scientist from outside the


Dr. Birinder Pal Singh
Veterinarian
biological discipline


Dr. R. K. Narang
Scientist from different biological discipline


Dr. G. P. Singh
Scientist from different


Dr. Shamsher Singh (Member Secretary)

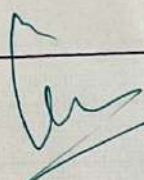
The below mentioned protocols for approval as per agenda -

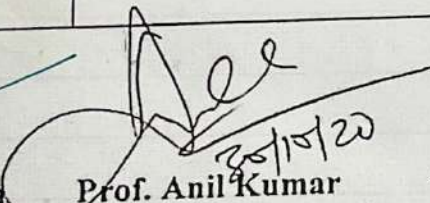
S.NO	Investigator	Title of Project	Demanded	Approved
462	Anshuman Singh/ Dr. Sidharth Mehan	Neuroprotective effect of apigenin as dual c-JNK/p38MAPK signaling inhibitor in intracerebroduncle ethidium bromide-induced experimental model of multiple sclerosis in rats.	39 Rats	Revised the protocol as per suggestion given
463	Bidisha/ Dr. Sidharth Mehan	Investigate the neuroprotective potential of solanesol as SIRT-1 signaling activator in intracerebroventricular injection of ouabain induced bipolar disorder in rats	53 Rats	Revised the protocol as per suggestion given
464	Rakesh/ Dr. Sidharth Mehan	Neuroprotective potential of ERK-1/2 signaling inhibitor alpha-mangostin in methyl mercury-induced experimental model of amyotrophic lateral sclerosis in rats	39 Rats	Revised the protocol as per suggestion given
465	Ria/ Dr. Sidharth Mehan	Investigate the neuroprotective potential of Smo-Shh agonist purmorphamine in intra-dorsal raphe nucleus injection of 8-OH-DPAT induced obsessive compulsive disorder in rats	53 Rats	Revised the protocol as per suggestion given
466	Divya sharma/ Dr. GP Singh	Ameliorative effects of trimetazidine (TMZ) in rodent model of sepsis induced acute kidney injury.	47 Rats	Revised the protocol as per suggestion given
467	Shubham yadav/ Dr. GP Singh	Cardioprotective effect of platelet rich plasma on isoproterenol induce cardiac dysfunctions in rat.	33 Rats	Revised the protocol as per suggestion given
468	Newly Bagang / Dr. GP Singh	Ameliorative effects of calcium sensing receptor in cisplatin induced acute kidney injury.	33 Rats	Revised the protocol as per suggestion given
469	Shriyansh Srivastava/ Dr. GP Singh	Cardioprotective Effects of Wnt/Beta Antagonist Pyrvinium is Mediated By ATP Sensitive Potassium Channel in Isoproterenol Cardiomyopathy Model	39 Rats	Revised the protocol as per suggestion given
470	Md. Khalid Deshmukh/ Dr. GP Singh	Anti-inflammatory and anti-fibrotic effect of trimetazidine (TMZ) in unilateral ureteral obstruction (UUO) model	40 Rats	Revised the protocol as per suggestion given
471	Sakshi Rajput/ Dr. GP Singh	Reno protective effects of L-type and T-type calcium channel inhibitors in cisplatin induced acute kidney injury in rats.	27 Rats	Revised the protocol as per suggestion given
472	Ankit Chaudary/ Dr. Shamsher Singh	Protective effect of Apigenin in monobenzene induced mice model of vitiligo.	27 Rats	Revised the protocol as per suggestion given
473	Mayank Patel/	Protective effect of Apigenin alone and in	48 Rats	Revised the

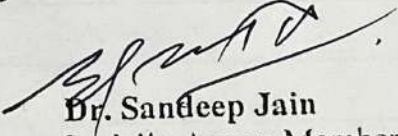
(Handwritten signatures and initials)

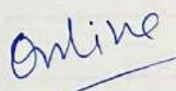
28th Meeting of Institutional Animal Ethical Committee (IAEC), 30th Oct., 2020

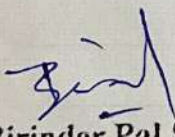
	Dr. Shamsher Singh	combination with Piperine in LPS induced Parkinsonism in experimental rats via targeting NF-kB signaling pathway.		protocol as per suggestion given
474	Satyabrata Kunda/ Dr. Shamsher Singh	Neuroprotective effect of 3-acetyl- 11-keto-boswellie acid alone and in combination with piperine against fluid percussion model of TBI in experimental rats.	41 Rats	Revised the protocol as per suggestion given
475	Pradeep Rao/ Dr. Shamsher Singh	Investigate the neuroprotective effect of andrographolide in aluminium and copper sulphate induced Alzheimer's disease in experimental rats.	34 Rats	Revised the protocol as per suggestion given
476	Anupam Awasthi/ Dr. Shamsher Singh	Neuroprotective effect of iron chelator deferoxamine alone and combine with necrostatin-1 in LPS and rotenone induced parkinsonism in animals.	62 Rats	Animals of 2 nd year will be issued to subject to submission of first year report. Revised the protocol as per suggestion given
477	Khadga Raj/ Dr. Shamsher Singh	Cryptotanshinione and Auranofin as neuroprotective tool to combination of proton pump inhibitors and chemotherapy associated Alzheimer's disease	110 Rats (55+55)	Animals of 2 nd year will be issued to subject to submission of first year report. Revised the protocol as per suggestion given

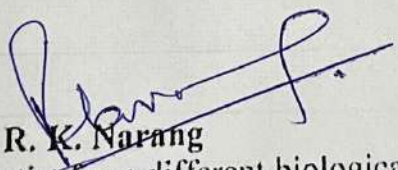

Prof. G.D. Gupta
Chairman, IAEC
outside the Institute

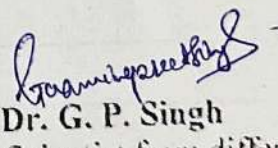

Prof. Anil Kumar
CPCSEA Main Nominee

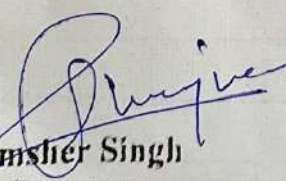

Dr. Sandeep Jain
Socially Aware Member


Dr. K. Srinivasan
Scientist from


Dr. Birinder Pal Singh
Veterinarian
biological discipline


Dr. R. K. Narang
Scientist from different biological discipline


Dr. G. P. Singh
Scientist from different


Dr. Shamsher Singh
Member Secretary

29th Meeting of Institutional Animal Ethical Committee (IAEC), 03 April., 2021

ISF COLLEGE OF PHARMACY, MOGA

INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

MINUTES OF THE MEETING

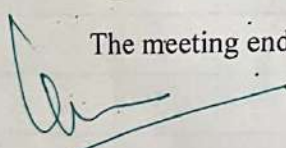


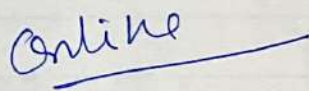
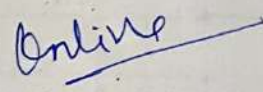
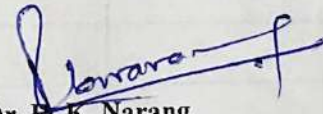
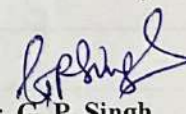
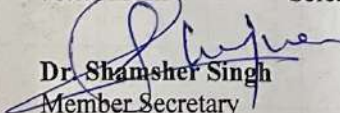
Subject: Minutes of the 29th meeting of Institutional Animal Ethical Committee (IAEC) was held on 03/ 4/2021 at 10:30AM through online mode. The following members were present in the meeting.

Sr.No.	Name of member	Designation
1.	Prof. G.D. Gupta	Chairman, IAEC
2.	Prof. Anil Kumar	CPCSEA, Nominee
3.	Dr. K. Srinivasan	Scientist from outside the Institute
4.	Dr. Sandeep Jain	Non-scientific socially Aware, Member
5.	Dr. R.K. Narang	Scientist from different biological discipline
6.	Dr. G.P. Singh	Scientist from different biological discipline
6.	Dr. Birinder Pal Singh	Veterinarian
7.	Dr. Shamsher Singh	Member Secretary

Agenda Item No.1:- Confirmation of previous minutes of the 28th meeting held on 30/10/2020 (Annexure- I).

Agenda Item No.2:- Approval of animals for research protocol as per annexure II.

The meeting ended with vote of thanks to the chair.

 Prof. G.D. Gupta Chairman, IAEC	 Prof. Anil Kumar CPCSEA Main Nominee	 Dr. Sandeep Jain Socially Aware Member	 Dr. K. Srinivasan Scientist from outside the Institute
 Dr. Birinder Pal Singh Veterinarian	 Dr. R. K. Narang Scientist from different biological discipline	 Dr. G. P. Singh Scientist from different biological discipline	
 Dr. Shamsher Singh Member Secretary			

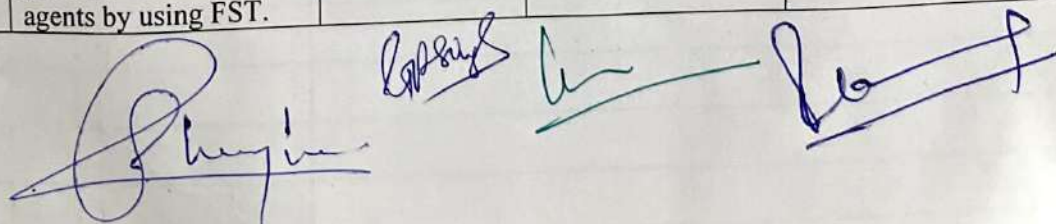
29th Meeting of Institutional Animal Ethical Committee (IAEC), 03 April., 2021

The below mentioned protocols were discussed and approved as mentioned below -

Proto col no	Investigator	Title of Project	Animal Requested	Animal Approved	Remark
478	Sobhi Gaba / Dr. Vikram Deep Monga	To evaluate the lipid lowering effect of disubstituted thiazolidinedione derivatives using Wistar rats.	30 wistar Rats either sex for a one year	30 wistar Rats, either sex for a one year	To submit the revised protocol as per suggestion
479	Tathagata Pradhan/ Dr. Vikram Deep Monga	To evaluate the lipid lowering effect of thiazolidinedione derivatives using Wistar rats.	30 wistar Rats either sex for a one year	30= [12 +18*] wistar Rats either sex for a one year	To submit the revised protocol as per suggestion *18 Animals will be shared with protocol no 478
480	Rohit Pal/ Dr. Pooja Chawla	To evaluate the anticoagulant properties of piperazine and aryl compound bearing 1,2,4-triazine scaffold using swiss albino mice.	24 Laca mice either sex for a one year	24 Laca mice either sex for a one year	To submit the revised protocol as per suggestion
481	Karanvir Singh/ Dr. Vikram Deep Monga	To evaluate the 1,2,4-triazine derivatives for anticoagulant activity using swiss albino mice.	24 Laca mice either sex for a one year	24 Laca mice either sex for a one year	To submit the revised protocol as per suggestion
482	Bharti/ Dr. Pooja Chawla	To evaluate the antidepressant activity of 1,3,5-trisubstituted pyrazoline derivatives using swiss albino mice.	24 Laca mice either sex for a one year	24 Laca mice either sex for a one year	To submit the revised protocol as per suggestion
483	Mahboob Alam/ Dr. Vineet Kumar Rai	Preparation and evaluation of dutasteride nanoemulgel for the management of alopecia.	24 Laca mice either sex for a one year	24 Laca mice either sex for a one year	To submit the revised protocol as per suggestion
484	Ivy Saha / Dr. Vineet Kumar Rai	Formulation and evaluation of tacrolimus loaded nanostructured lipidic carrier based gel and curcumin loaded nanocomposite hydrogel for the treatment of psoriasis.	18 Laca mice either sex for a one year	18 Laca mice either sex for a one year	To submit the revised protocol as per suggestion

29th Meeting of Institutional Animal Ethical Committee (IAEC), 03 April., 2021

485	Anamika Palak / Dr. Vineet Kumar Rai	Formulation and evaluation of curcumin loaded nanostructured lipidic carrier based gel and curcumin loaded nanocomposite hydrogel for the treatment of psoriasis.	24 Laca mice either sex for a one year	24 Laca mice either sex for a one year	To submit the revised protocol as per suggestion
486	Vikram Jeet Singh / Dr. Pooja Chawla	To evaluate the anti-inflammatory effect of thiazolidinone derivatives using Wistar rats.	24 wistar Rats either sex for a one year	24 wistar Rats either sex for a one year	To submit the revised protocol as per suggestion
487	Kankan Roy / Dr. Sant Kumar Verma	Design, synthesis and pharmacological evaluation of thiazolidinone derivatives as inhibitors of PTP1B.	36 Laca mice either sex for a one year	36 Laca mice either sex for a one year	To submit the revised protocol as per suggestion
488	Anjali Saini/ Dr. Vikram Deep Monga	To evaluate the hypoglycemic effect of N-substituted-5-arylidene derivatives of thiazolidinedione using Wistar rats.	31 wistar Rats either sex for a one year	31 wistar Rats either sex for a one year	To submit the revised protocol as per suggestion
489	Shubham Sharma/ Mr. Tanmay S Markandeywar	Development and characterization of moxifloxacin loaded hydrogel for wound healing.	18 wistar Rats either sex for a one year	18 wistar Rats either sex for a one year	To submit the revised protocol as per suggestion
490	Ravi Ranjan Kumar/ Dr. Bhupinder Kumar	Biological evaluation of substituted piperazine derivative as putative antidepressant agents by using FST.	24Laca mice male sex for a one year	24 [12+12*] Laca mice male sex for a one year	To submit the revised protocol as per suggestion *12 Animals will be shared with protocol no 492
491	Saranjit singh/ Dr. Balak das kurmi	Formulation, optimization and evaluation of Metformin hydrochloride loaded sponge for the treatment of diabetic wound.	24 wistar Rats male sex for a one year	24 wistar Rats male sex for a one year	To submit the revised protocol as per suggestion
492	Bhaskar / Dr. Bhupinder Kumar	Biological evaluation of oxadiazole clubbed piperazine derivative as putative antidepressant agents by using FST.	24 Laca mice male sex for a one year	24 [12+12*] Laca mice male sex for a one year	To submit the revised protocol as per suggestion *12 Animals will be shared with protocol no 490



29th Meeting of Institutional Animal Ethical Committee (IAEC), 03 April, 2021



Prof. G.D. Gupta
Chairman, IAEC

Online

Prof. Anil Kumar
CPCSEA Main Nominee

Online

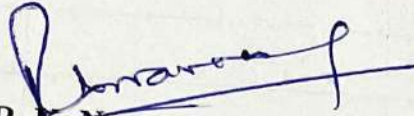
Dr. Sandeep Jain
Socially Aware Member

Online

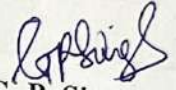
Dr. K. Srinivasan
Scientist from
outside the Institute

Online

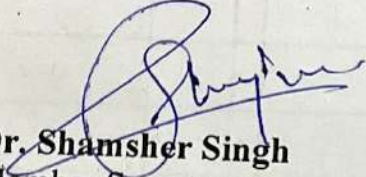
Dr. Birinder Pal Singh
Veterinarian
biological discipline



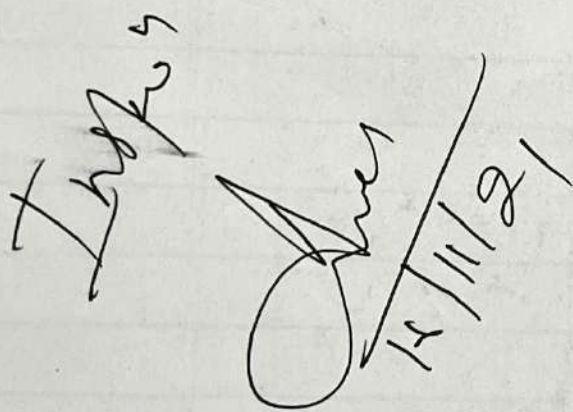
Dr. R. K. Narang
Scientist from different biological discipline



Dr. G. P. Singh
Scientist from different



Dr. Shamsheer Singh
Member Secretary


12/11/21

(2)

30th Meeting of Institutional Animal Ethical Committee (IAEC), 17 November, 2021

**ISF COLLEGE OF PHARMACY, MOGA
INSTITUTIONAL ANIMAL ETHICAL COMMITTEE**

MINUTES OF THE MEETING

Subject: Minutes of the 30th meeting of Institutional Animal Ethical Committee (IAEC) was held on 17/11/2021 at 02:30PM through online mode. The following members were present in the meeting.

Sr.No.	Name of member	Designation
1.	Prof. G.D. Gupta	Chairman, IAEC
2.	Prof. Anil Kumar	CPCSEA, Nominee
3.	Dr. K. Srinivasan	Scientist from outside the Institute
4.	Dr. Sandeep Jain	Non-scientific socially Aware, Member
5.	Dr. R.K. Narang	Scientist from different biological discipline
6.	Dr. G.P. Singh	Scientist from different biological discipline
6.	Dr. BirinderPal Singh	Veterinarian
7.	Dr. Shamsheer Singh	Member Secretary

Agenda Item No.1:- Confirmation of previous minutes of the 29th meeting held on 03/04/2021 (Annexure- I).

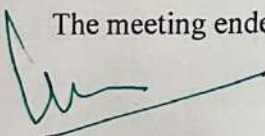

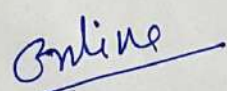
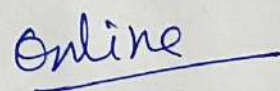
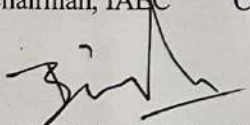
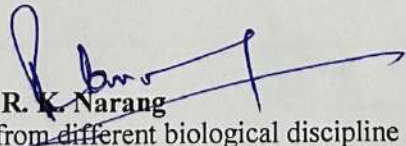
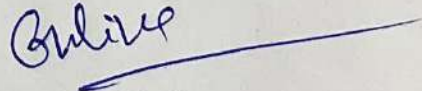
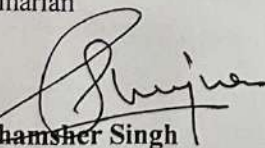
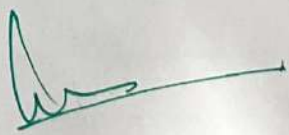
Agenda Item No.2:- Member secretary informed the members that protocol no 330 to 492 except protocol no 383, 447, 476, 477 (still ongoing) have been successfully completed and final report has been received in the office of Central Animal House.

Agenda No. 3:- Member secretary informed the member to allow to modify the present washing area as per the need of Central animal house for breeding and trading. Committee approved the same as per norms of CPCSEA.

Agenda No. 4:- Renewal of registration including Breeding and Trading- All members allowed to submit the proposal for renewal of registration including Breeding/Trading and commercial as per CPCSEA norms.

Agenda No. 5- Principles Investigator/ Students presented their research proposals for ethical approval as per Annexure I

The meeting ended with vote of thanks to the chair.

 Prof. G.D. Gupta Chairman, IAEC	 Prof. Anil Kumar CPCSEA Main Nominee	 Dr. Sandeep Jain Socially Aware Member	 Dr. K. Srinivasan Scientist from outside the Institute
 Dr. Birinder Pal Singh Veterinarian	 Dr. R. K. Narang Scientist from different biological discipline	 Dr. G. P. Singh Scientist from different biological discipline	
 Dr. Shamsheer Singh Member Secretary			

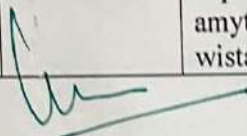
30th Meeting of Institutional Animal Ethical Committee (IAEC), 17 November, 2021

Annexure I

Proto col no	Investigator	Title of Project	Animal Requested	Animal Approved	Remark
493	Anika / Dr.Rimpi Arora	Protective effect of embelin in intracerebroduncle ethidium bromide-induced experimental model of multiple sclerosis in rats	40 Wistar Rats(Female) for 12 months	40 Wistar Rats(Female) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
494	Aradhana Prajapati/ Dr. Sidharth Mehan	Neuroprotective potential of Smo-Shh/Gli activator purmorphamine in ethidium bromide-induced experimental model of multiple sclerosis in wistar rats	64 Wistar Rats(M/F) for 12 months	58 Wistar Rats(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
495	Ayansh Kaushik/ Dr. Shamsher Singh	Neuroprotective mechanism of syringic acid in FPI model of TBI:inhibit apoptosis and inflammation via downregulation of P38/MAPK/JNK pathway	34 Wistar Rats(M/F) for 12 months	34 Wistar Rats(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
496	Bhaskar Jyoti Dutta/ Dr. Amrita	Pharmacological potential of Rottlerin in cognitive impairment associated with the HFD-STZ induced type 2 diabetes mellitus in the Swiss albino mice	49 Albino Mice(M/F) for 12 months	49 Albino Mice(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
497	Km Kanupriya/ Dr. Shamsher Singh	Therapeutic potential of apigenin on the vitiligo mouse model induced by hydroquinone by targeting cholinesterase and MAPK pathway	41 (C57Bulb /J Mice(M/F) for 12 months	41 (C57Bulb /J Mice(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
498	LakshayKapi I/ Dr. Arti Singh	Berberine ameliorates mitochondrial dysfunction and oxidative stress in chemotherapy induced cognitive impairment in mice	40 Albino Mice (Female) for 12 months	32 Albino Mice (Female) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
499	PranshulSethi /Dr. SidharathMe han	Neuroprotective potential of SIRT-1/Nrf2/HO-1 activator acetyl-11-keto-betaboswellic acid (AKBA) in 8-OH-DPAT-induced experimental model of obsessivecompulsive disorder in wistar rats	64 Wistar Rats(M/F) for 12 monthsats	58 Wistar Rats(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
500	SanketSeksar ia/ Dr.	Role of oxymatrimine in impeding the cardiomyopathy in the STZ-	47 Wistar Rats(M/F)	47 Wistar	Approved subject to revision in the

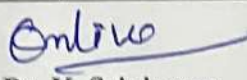
30th Meeting of Institutional Animal Ethical Committee (IAEC), 17 November, 2021

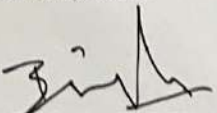
	Amrita Singh	nicotinamide induced diabetes in Wistar rats	for 12 months	Rats(M/F) for 12 months	form B as suggested by IAEC members
501	ShivaniChib/ Dr. Shamsher Singh	Pharmacological potential of luteolin in rat model of Parkinson's disease by inhibiting the release of cytochrome-c and apoptosis	49 Wistar Rats(M) for 12 months	49 Wistar Rats(M) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
502	Simranjit Kaur/ Dr. Arti Singh	Targeting mitochondrial dysfunction and oxidative stress with coenzyme Q10 in chemotherapy induced cognitive impairment in mice	96 Albino Mice (Female) for 12 months	76 Albino Mice (female) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
503	SonalikaBhal la/ Dr. Sidharth Mehan	Neuroprotective potential of IGF-1/GLP-1 activator 4-hydroxyisoleucine in propionic acid-induced experimental model of autism in wistar rats	64 Wistar Rats(M/F) for 12 months	58 Wistar Rats(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
504	Sudanshu/ Dr. Shamsher Singh	Protective effect of syringic acid in valproic acid induced autistic behavior via modulation of PI3k/GSK-3beta expression	46 Wistar pups(M/F) for 12 months	Wistar pups46 (9F+3M) (M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members
505	Sumit Kumar/ Dr. Sidharth Mehan	Neuroprotective potential of JAK-STAT/mTOR/PPARgamma modulator guggulsterone in methyl-mercury-induced experimental model of amyotrophic lateral sclerosis in wistar rats	64 Wistar Rats(M/F) for 12 months	58 Wistar Rats(M/F) for 12 months	Approved subject to revision in the form B as suggested by IAEC members

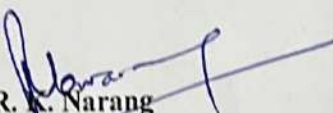

Prof. G.D. Gupta
Chairman, IAEC

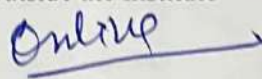

Prof. Anil Kumar
CPCSEA Main Nominee

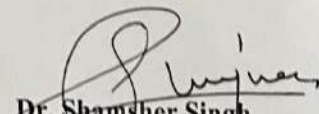

Dr. Sandeep Jain
Socially Aware Member


Dr. K. Srinivasan
Scientist from
outside the Institute


Dr. Birinder Pal Singh
Veterinarian


Dr. R. K. Narang
Scientist from different
biological discipline


Dr. G. P. Singh
Scientist from different
biological discipline


Dr. Shamsher Singh
Member Secretary





ISF College of Pharmacy (An Autonomous College)
NAAC Accredited "A" Grade College
GT Road, Ghal-Kalan, MOGA-142 001 (Pb.)
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



classmate

Date

INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

ATTENDANCE

Institutional Animal Ethical Committee (IAEC) was held in blend mode (online and offline) on 23.04.2022 at 11.00 am in the seminar room.

The following members were present in the meeting.

S.No.	Name	Designation in IAEC	Signature with Date (The Minutes should be signed with ink. Scanned signature and dates shall not be accepted.)
1.	Dr. G.D. Gupta	Biological Scientist, Chairman, IAEC	 23/4/2022
2.	Dr. Shamsher Singh	Scientist In-Charge of Animal House Facility Member Secretary	 23/04/2022
3.	Dr. R. K. Narang	Scientist from different biological discipline	 23/4/22
4.	Mr. Khadga Raj	Scientist from different biological discipline	 Khadga
5.	Dr. Gursimranpreet Singh	Veterinarian	Online attended
6.	Dr. Rahul Deshmukh	CPCSEA, Main Nominee	
7.	Dr. Pradeep Kumar	Scientist from outside the Institute	 23/4/22
8.	Dr. Amit Kumar	Socially Aware, Nominee	online attended

ISF COLLEGE OF PHARMACY (AN AUTONOMOUS COLLEGE), MOGA
Institutional Animal Ethics Committee (IAEC)

Minutes of (IAEC/01/22 of Meeting) IAEC Meeting

Name and address of establishment : Central Animal House, ISF College of Pharmacy, MOGA (Punjab)

Registration number of establishment : 816/PO/ReBiBt/S/04/CPCSEA

Date and Time of the IAEC Meeting : 23.04.2022 Time 11.30 am

Venue: Seminar Room, ISF College of Pharmacy (An Autonomous College), MOGA

Minutes of the Meeting:

Member Secretary welcomed all the member of newly constituted IAEC committee by CPCSEA and presented the agenda before the committee. After through discussion, following decisions were taken by the committee.

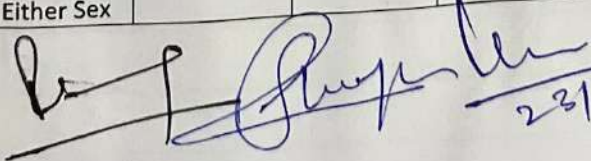
Item No.1: Committee unanimously approved previous minutes of meeting held on 17/11/2021

Item No.2: Decision/ Recommendation of IAEC on New Research Protocols:

S. No.	Title of the Protocol	Protocol No.	Species Proposed	Total housing capacity for species proposed	Number of animals proposed	Number of animals recommended by IAEC	Approved/ Rejected/ Deferred/ Any other remark/ observation of IAEC
1.	Preparation and evaluation of silver nanoparticle impregnated biogenic sprayable gel for advanced wound care using wistar rat.	IAEC/01/22/01	Wistar Rats/ Either sex	Available	24	12	Approved
2.	Formulation and development of nano carrier modules for topical delivery of anti-fungal drugs	IAEC/01/22/02	Wistar Rats/ Either Sex	Available	30	15	Approved
3.	Design, synthesis and biological evaluation of 4-thiazolidinone-1,2,4-triazine hybrids as anti-Alzheimer agents.	IAEC/01/22/03	Swiss albino mice/ Either Sex	Available	30	30	Subjected to submission of revised protocol with in-vitro data
4.	Design and synthesis of 1,2,4-triazine-4-thiazolidinone hybrids as anti-inflammatory agents.	IAEC/01/22/04	Wistar Rats/ Either Sex	Available	24	24	Subjected to submission of revised protocol with in-vitro data
5.	Piperazine substituted oxadiazole derivatives as putative antidepressant agents.	IAEC/01/22/05	Swiss albino mice/ Either Sex	Available	36	42	Subjected to submission of revised protocol with

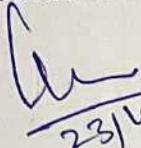
Handwritten signatures and dates:
 [Signature] [Signature] [Signature] 23/4/2022 [Signature] Khadga

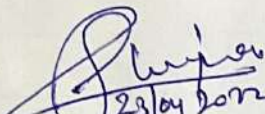
6.	Design, synthesis and Pharmacological Evaluation of Substituted Piperazine Derivatives as Potential Antidepressant Agents.	IAEC/01/22/06	Swiss albino mice/ Either Sex	Available	36	42	in-vitro data Subjected to submission of revised protocol with in-vitro data
7.	Design and synthesis of disubstituted thiazolidinedione derivatives as anti-diabetic agents.	IAEC/01/22/07	Swiss albino mice/ Either Sex	Available	30	60	Subjected to submission of revised protocol with in-vitro data
8.	Design, synthesis and pharmacological evaluation of rhodamine derivatives as inhibitors of aldose reductase.	IAEC/01/22/08	Male Swiss albino mice	Available	30	36	Subjected to submission of revised protocol with in-vitro data
9.	Design, synthesis and biological evaluation of thiazolidinedione derivatives as aldose reductase inhibitors.	IAEC/01/22/09	Male Swiss albino mice	Available	36	36	Subjected to submission of revised protocol with in-vitro data
10.	Design, synthesis and pharmacological evaluation of pyrimidine- 2,4-dione derivatives as inhibitors of DPP-4 for the management of type 2 diabetes mellitus.	IAEC/01/22/10	Male Swiss albino mice	Available	36	36	Subjected to submission of revised protocol with in-vitro data
11.	Design, Synthesis and Development of Novel Safer Lead Inhibitors of DPP IV for the Management of Type 2 Diabetes.	IAEC/01/22/11	Wistar Rats/ Either sex	Available	99	99	Subjected to submission of revised protocol with in-vitro data
12.	S-Maze for evaluation of neurobehavioral and neuromuscular activities in rodents.	IAEC/01/22/12	Wistar Rats/ Either Sex	Available	72	18	Approved
13.	Effect of N- substituted- 5-arylidine derivatives of thiazolidinedione in streptozotocin- induced experimental model of diabetes in wistar rat.	IAEC/01/22/13	Wistar rats/ Either Sex	Available	42	-	Deferred
14.	Development of diagnostic biomarker and molecular characterization of therapeutic moieties in the prevention and diagnosis of multiple sclerosis.	IAEC/01/22/14	Wistar rats/ Either Sex	Available	105	180	Approved
15.	Synthesis and biological evaluation of new triazole derivatives as Antidiabetic agents.	IAEC/01/22/15	Swiss albino mice/ Either Sex	Available	28	28	Subjected to submission of revised protocol with

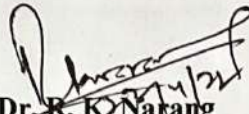
had  23/4/2022 Khadga


							in-vitro data
16.	Pharmacological evaluation of Kigelia Pinnata root bark extract in diabetes type 2 and hypertension	IAEC/01/22/16	Male Rats	Available	77	66	Approved
17.	Green chemistry approach for improvement in physicochemical properties through cocrystal and eutectic mixture formation	IAEC/01/22/17	Wistar Rats/ Either Sex	Available	46	36	Approved

(Note : a. Protocol No. 07 will shared the normal and STZ group with Protocol no. 08, 09, 10, 11 and 15, b. Protocol No. 05 with shared the normal, Disease control and standard with Protocol no. 06)



23/4/22
Dr. G.D. Gupta
Chairman, IAEC


23/04/2022
Dr. Shamsher Singh
Member Secretary



23/4/22
Dr. R. K. Narang
Scientist


Khadga
Khadga Raj Aran
Scientist

online attended
Dr. Gursimranpreet Singh
Veterinarian


23/4/22
Dr. Pradeep Kumar
Scientist

online attended
Dr. Amit Kumar
Socially Aware Member


23.04.22
Dr. Rahul Deshmukh
Main Nominee




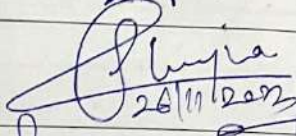
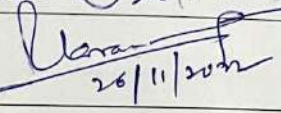
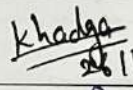
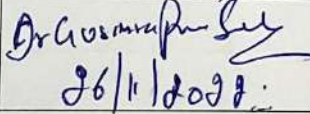
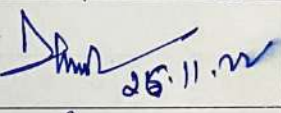
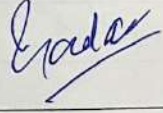
ISF College of Pharmacy (An Autonomous College)
 NAAC Accredited "A" Grade College
 GT Road, Ghal-Kalan, MOGA-142 001 (Pb.)
 Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

ATTENDANCE

Institutional Animal Ethical Committee (IAEC) was held in blend mode (online and offline) on 26.11.2022 at 1.30 pm at Seminar room, ISF College of Pharmacy (An Autonomous College), Moga. The following members were present in the meeting.

S.No.	Name	Designation in IAEC	Signature with Date
1.	Dr. G.D. Gupta	Biological Scientist, Chairman, IAEC	 26/11/2022
2.	Dr. Shamsher Singh	Scientist In-Charge of Animal House Facility Member Secretary	 26/11/2022
3.	Dr. R. K. Narang	Scientist from different biological discipline	 26/11/2022
4.	Mr. Khadga Raj	Scientist from different biological discipline	 26/11/2022
5.	Dr. Gursimranpreet Singh	Veterinarian	 26/11/2022
6.	Dr. Rahul Deshmukh	CPCSEA, Main Nominee	 26/11/2022
7.	Dr. Pradeep Kumar	Scientist from outside the Institute	
8.	Dr. Amit Kumar	Socially Aware, Nominee	online

ISF COLLEGE OF PHARMACY (AN AUTONOMOUS COLLEGE), MOGA
Institutional Animal Ethics Committee (IAEC)

Minutes of (IAEC/02/22 of Meeting) IAEC Meeting

Name and address of establishment: Central Animal House, ISF College of Pharmacy, MOGA (Punjab)

Registration number of establishment: 816/PO/ReBiBt/S/04/CPCSEA

Date and Time of the IAEC Meeting: 26.11.2022; Time:01:30 pm

Venue: Conference Room, ISF College of Pharmacy (An Autonomous College), MOGA

Minutes of the Meeting:

Member Secretary welcomed all the members and presented the agenda before the committee. After through discussion, following decisions were taken by the committee.

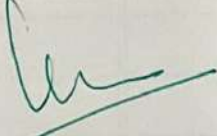
Item No.1: Committee approved previous minutes of meeting held on 23/04/2022


Item No.2: Decision/Recommendation of IAEC on New Research Protocols:


S. No	Title of the Protocol	Protocol No.	Species Proposed	Total housing capacity for species proposed	Number of animals proposed	Number of animals recommended by IAEC	Approved/ Rejected/ Deferred/ Any other remark/ observation of IAEC
18.	Design, synthesis and anticancer evaluation of 1,3,4-oxadiazole 2-thione analogues as HDAC and Thymidine Phosphorylase dual inhibitors	IAEC/02/22/18	Wistar Rats/ Female	Available	48	36	Approved
19.	Development and evaluation of HER-2 monoclonal antibody tethered liposomal system(s) for targeted co-delivery of MDR modulating and chemotherapeutic agent(s) against resistant breast carcinoma	IAEC/02/22/19	Wistar Rats/ Female	Available	66	66	Approved
20.	A novel approach carrying Luteolin, β -Ecdysterone, Harmine in tramadol and methamphetamine induced experimental model of Parkinson's like symptoms in rats	IAEC/02/22/20	Wistar rats /Either Sex	Available	182	140	Approved


21.	Effect of 6-Chloro-N-cyclohexyl-4-(1H-pyrrolo[2,3-b]pyridin-3-yl)pyridin-2-amine in intracerebroventricular beta-amyloid-induced experimental model of Alzheimer's disease in rats"	IAEC/02/22/21	Wistar Rats/ Either Sex	Available	72	18	Approved
22.	Effect of rosiglitazone along with probiotic nanosuspension in the prevention of ethidium bromide-induced experimental model of multiple sclerosis in rats	IAEC/02/22/22	Wistar rats / Either Sex	Available	64	64	Approved
23.	Effect of N-substituted-5-arylidene derivatives of thiazolidinedione in streptozotocin-induced experimental model of diabetes in rats"	IAEC/02/22/23	Wistar rats / Either Sex	Available	42	42	Approved
24.	Effect of melatonin in 8-OH-DPAT-induced experimental model of obsessive-compulsive disorder in rats	IAEC/02/22/24	Wistar rats / Either Sex	Available	64	32	Approved
25.	Effect of tanshinone-IIA in propionic acid-induced experimental model of autism in rats	IAEC/02/22/25	Wistar rats / Either Sex	Available	64	40	Approved
26.	Effect of icariin in methylmercury-induced experimental model of amyotrophic lateral sclerosis in rats	IAEC/02/22/26	Wistar rats / Either Sex	Available	64	40	Approved
27.	Effect of matrine in ethidium bromide-induced experimental model of multiple sclerosis in rats	IAEC/02/22/27	Wistar rats / Either Sex	Available	64	40	Approved
28.	Pharmacological evaluation of rottleril in peripheral neuropathy associated with the streptozotocin-nicotinamide induced type-2 diabetes mellitus in Swiss albino mice	IAEC/02/22/28	Swiss albino mice / Male	Available	54	36	Approved
29.	Effect of β -sitosterol in type-2 diabetes mellitus associated cognitive impairments induced by cafeteria diet and low dose of STZ in Swiss albino mice	IAEC/02/22/29	Swiss albino mice / Male	Available	38	30	Approved
30.	Protective effect of fucoxanthin in valproic acid induced autistic	IAEC/02/22/30	Wistar rats/ Either Sex	Available	18	18	Approved

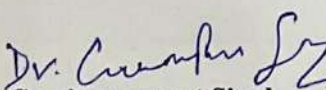
	behavior via AKT/GSK-3 β signaling pathway						
31.	Investigating the neuroprotective effect of lycopene against fluid percussion model induced traumatic brain injury in rat via modulating Nrf-2/Nf- κ B pathway	IAEC/02/22/31	Wistar rats/ Either Sex	Available	41	30	Approved
32.	Design and synthesis of 3,7-dihydro-1H-purine-2,6-dione derivatives as inhibitors of DPP-4 for the management of type-2 diabetes mellitus	IAEC/02/22/32	Swiss albino mice/male	Available	36	36	Approved
33.	Design and synthesis of thiazolidinedione derivatives as aldose reductase inhibitors	IAEC/02/22/33	Swiss albino mice/male	Available	36	36	Approved
34.	Investigating the pharmacokinetics parameters of antibiotics co-administered with herbal adjuvant	IAEC/02/22/34	Wistar Rats/ Either Sex	Available	36	36	Approved



Dr. G.D. Gupta
Chairman, IAEC

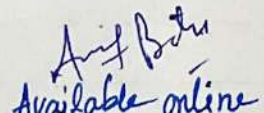

Dr. Shamsheer Singh
Member Secretary


Dr. R. K. Narang
Scientist from different biological discipline


Khadga Raj Aran
Scientist from different biological discipline


Dr. Gursimranpreet Singh
Veterinarian


Dr. Pradeep Kumar
Scientist


Dr. Amit Kumar
Socially Aware Member


Dr. Rahul Deshmukh
Main Nominee



ISF College of Pharmacy (An Autonomous College)
NAAC Accredited "A" Grade College
GT Road, Ghal-Kalan, MOGA-142 001 (Pb.)
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

ATTENDANCE

Institutional Animal Ethical Committee (IAEC) was held in blend mode (online and offline) on 03.04.2023 at 12.15 pm at Seminar room, ISF College of Pharmacy (An Autonomous College), Moga. The following members were present in the meeting.

S.No.	Name	Designation in IAEC	Signature with Date
1.	Dr. G.D. Gupta	Biological Scientist, Chairman, IAEC	 03/4/2023
2.	Dr. Shamsher Singh	Scientist In-Charge of Animal House Facility Member Secretary	 03/04/2023
3.	Dr. R. K. Narang	Scientist from different biological discipline	 03/4/23
4.	Mr. Khadga Raj	Scientist from different biological discipline	 03/4/2023
5.	Dr. Gursimranpreet Singh	Veterinarian	
6.	Dr. Rahul Deshmukh	CPCSEA, Main Nominee	 available online
7.	Dr. Pradeep Kumar	Scientist from outside the Institute	 online
8.	Dr. Amit Kumar	Socially Aware, Nominee	 03.04.23

ISF COLLEGE OF PHARMACY (AN AUTONOMOUS COLLEGE),
MOGA

Institutional Animal Ethics Committee (IAEC)

Minutes of (IAEC/03/23 of Meeting) IAEC Meeting

Name and address of establishment: Central Animal House, ISF College of Pharmacy, MOGA
(Punjab)

Registration number of establishment: 816/PO/ReBiBt/S/04/CPCSEA

Date and Time of the IAEC Meeting: 03.04.2023; Time: 12:15 pm

Venue: Conference Room, ISF College of Pharmacy (An Autonomous College), MOGA in blend
mode

Minutes of the Meeting:

Member Secretary welcomed all the members and presented the agenda before the committee.

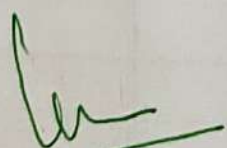
After through discussion, following decisions were taken by the committee.


Item No.1: Committee approved previous minutes of meeting held on 26.11.2022.

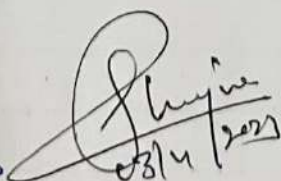
Item No.2: Decision/Recommendation of IAEC on New Research Protocols:

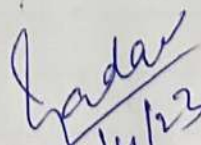
The below mentioned protocols were discussed and approved as mentioned below -


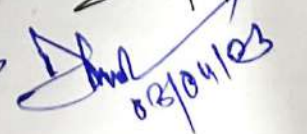
S.NO	Protocol No.	Investigators	Title of Project	Total housing capacity for species proposed	No. of Animals proposed/Species	Number of animals recommended by IAEC	Approved/ Rejected/ Deferred/ Any other remark/ observation of IAEC
1.	IAEC/3/2 3/35	Abhimannu Shome / Dr. Pooja Chawla	To check the anti-Alzheimer's activity of piperidine conjugate 4-thiazolidinone derivatives using swiss albino mice	Available	30 Swiss albino mice/ Either Sex		Deferred
2.	IAEC/3/2 3/36	Chahat / Dr. Pooja Chawla	Design, Synthesis and Antidepressant Evaluation of	Available	36 Swiss albino mice/ Either Sex		Deferred


03/04/23


03/04/2023


03/04/2023


3/4/23


3/4/23

03/04/23

			Propargyl Substituted Piperazine Derivatives				
3.	IAEC/3/2 3/37	Dr. Shivani Chandel	Screening of Anticancer activity (Prostate cancer) of Azadirachta indica limonoids, in-vitro and in-vivo studies in Male SCID mice	Available	32 Male SCID mice		Deferred
4.	IAEC/3/2 3/38	Irfan Ali / Dr. Rohit Bhatia	Design, synthesis and molecular docking of benzimidazole derivatives as potent antidepressants	Available	36 Swiss albino mice/ Either Sex		Deferred
5.	IAEC/3/2 3/39	Shankar Gupta / Dr. Vivek Asati	Design, synthesis and biological evaluation of N-substituted thiazolidine-2,4-dione derivatives as anti-diabetic agents	Available	30 Swiss albino mice/ Either Sex		Deferred
6.	IAEC/3/2 3/40	Akshita / Dr. Nitin Sharma	Formulation and characterization of mesalazine loaded nanocarriers for ulceration colitis	Available	24 Wistar Rats/ Either Sex	16	submission of revised protocol
7.	IAEC/3/2 3/41	Anshul Sharma / Dr. Nitin Sharma	Improvement of Fingolimod bioavailability through nanocarriers for effective treatment of Multiple sclerosis.	Available	24 Wistar Rats / Either Sex	19	submission of revised protocol
8.	IAEC/3/2 3/42	Maitrayee Ghosh / Dr. Amrinder Singh	Formulation and characterization of hyaluronic acid blended adapalene liposomes for topical administration	Available	48 Wistar Rats / Either Sex	30	submission of revised protocol
9.	IAEC/3/2 3/43	Ravipratap Singh / Dr. Amrinder Singh	Development and evaluation of squalene based nanostructured lipid carrier for dermal delivery of ketoconazole	Available	36 male / Swiss albino mice	21	submission of revised protocol
10.	IAEC/3/2 3/44	Sarmili Sahoo / Dr. Amandeep Singh	Development and characterization of sulfasalazine loaded probiotic based	Available	30 Wistar Rats / Either Sex	18	submission of revised protocol

Khodes
03/04/2023

Shyja
03/04/2023

Radu
3/4/23

Amrinder Singh
03/04/23

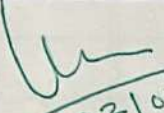
		microparticles for colitis management				
IAEC/3/2 3/45	Amisha / Dr. Amrinder Singh	Formulation and optimization of aceclofenac loaded liposomes in chitosan gel for topical delivery	Available	30 Wistar Rats / Either Sex	18	submission of revised protocol
IAEC/3/2 3/46	Nikhil Dadwal / Dr. Amrinder Singh	Development and characterization of Nano carrier-based formulations of Tacrolimus with hyaluronic acid for Psoriasis.	Available	48 Wistar Rats / Either Sex	21	submission of revised protocol
IAEC/3/2 3/47	Princi Verma / Dr. Dilpreet Singh	Formulation and evaluation of Imipramine hydrochloride loaded polymeric micelles for the improvement of oral biopharmaceutical attributes.	Available	12 Wistar rats/ Either Sex	12	submission of revised protocol
IAEC/3/2 3/48	Richa Kumari / Dr. Nitin Sharma	pH-sensitive nanocarriers for the enhancement of colonic anticancer activity.	Available	24 / Wistar Rats	18	submission of revised protocol
IAEC/3/2 3/49	Debajyoti Roy/ Dr. Naresh Rangra	Phytochemical investigations of leave extract from Paederia foetida for anti-urolithic activity	Available	18 / Wistar Rats	18	submission of revised protocol
IAEC/3/2 3/50	Dr. Rajveer Singh	Polyphenols attenuates the doxorubicin induced renal and hepatotoxicity, in-vitro and in-vivo	Available	48 Swiss albino mice	24	submission of revised protocol
IAEC/3/2 3/51	Dr. Sidharth Mehan	Preclinical assessment of magnesium compounds timeline bioavailability in wistar rats	Available	48/Wistar Rats	48	submission of revised protocol

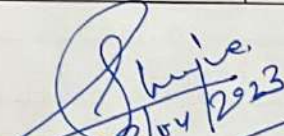
[Signature]
Khadka
03/04/2023


[Signature]
27/4/23
[Signature]
03/04/2023

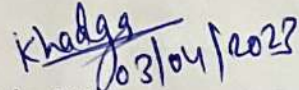
[Signature]
Khadka
3/4/23
[Signature]
03/04/23

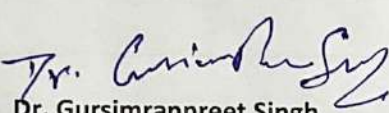
18.	IAEC/3/2 3/52	Dr. Shamsher Singh	Investigation of protective effect of Gymnemamontanum & Solanum torvum in STZ induced early stage of diabetic nephropathy in wistar rats	Available	42 Wistar Rats	42	submission of revised protocol
19.	IAEC/3/2 3/53	Dr. Shamsher Singh	Investigation of Hepatoprotective effect of Carvacrol and Sinigrin in PCM induced hepatotoxicity in wistar rats	Available	36 Wistar Rats	30	submission of revised protocol

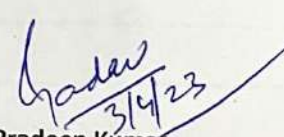

03/04/2023
Dr. G.D. Gupta
Chairman, IAEC



03/04/2023
Dr. Shamsher Singh
Member Secretary, IAEC

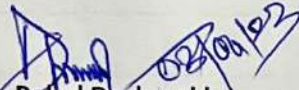

03/04/2023
Dr. R. K. Narang
Scientist from different, biological discipline


03/04/2023
Khadga Raj Aran
Scientist from different, biological discipline


Dr. Gursimranpreet Singh
Veterinarian


03/04/23
Dr. Pradeep Kumar
Scientist


Dr. Amit Kumar
Socially Aware Member


02/04/2023
Dr. Rahul Deshmukh
Main Nominee



ISF College of Pharmacy (An Autonomous College)
NAAC Accredited "A" Grade College
GT Road, Ghal-Kalan, MOGA-142 001 (Pb.)
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)

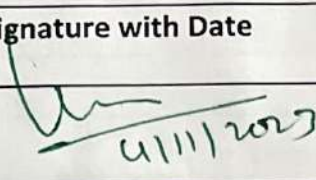
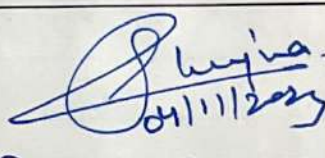
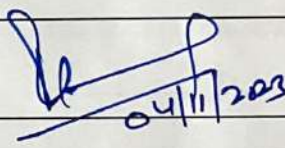
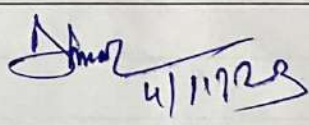


INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

ATTENDANCE

Institutional Animal Ethical Committee (IAEC) was held in blend mode (online and offline) on 04.11.2023 at 12.45 pm in the seminar room.

The following members were present in the meeting.

S.No.	Name	Designation in IAEC	Signature with Date
1.	Dr. G.D. Gupta	Biological Scientist, Chairman, IAEC	 04/11/2023
2.	Dr. Shamsheer Singh	Scientist In-Charge of Animal House Facility Member Secretary	 04/11/2023
3.	Dr. R. K. Narang	Scientist from different biological discipline	 04/11/2023
4.	Mr. Khadga Raj	Scientist from different biological discipline	online
5.	Dr. Gursimranpreet Singh	Veterinarian	online
6.	Dr. Rahul Deshmukh	CPCSEA, Main Nominee	 4/11/23
7.	Dr. Pradeep Kumar	Scientist from outside the Institute	online
8.	Dr. Amit Kumar	Socially Aware, Nominee	online

classmate
Date _____

ISF COLLEGE OF PHARMACY (AN AUTONOMOUS COLLEGE), MOGA
Institutional Animal Ethics Committee (IAEC)

Minutes of (IAEC/04/2023 of Meeting) IAEC Meeting

Name and address of establishment: Central Animal House, ISF College of Pharmacy, MOGA (Punjab)

Registration number of establishment: 816/PO/ReBiBt/S/04/CPCSEA

Date and Time of the IAEC Meeting: 04.11.2023; Time:12:30 pm

Venue: Conference Room, ISF College of Pharmacy (An Autonomous College), MOGA in blend mode.

Minutes of the Meeting:

Member Secretary welcomed all the members and presented the agenda before the committee. After through discussion, following decisions were taken by the committee.

Item No.1: Committee approved previous minutes of meeting held on 03.04.2023.

Item No.2: Decision/Recommendation of IAEC on New Research Protocols: Recommend

The below mentioned protocols were discussed and approved as mentioned below -

S.NO	Protocol No.	Investigators	Title of Project	Total housing capacity for species proposed	No. of Animals proposed/Species	Number of animals recommended by IAEC	Approved/ Rejected/ Deferred/ Any other remark/ observation of IAEC
1.	IAEC/4/23/20	Pankaj Kumar Maurya/ Dr. Sidharth Mehan	Neuroprotective potential of icariin along with tanshinone-IIA against ethidium bromide-induced experimental model of multiple sclerosis in adult wistar rats	Available	124 Wistar Rats/ Either Sex	64 Wistar Rats/ Either Sex	Submission of revised protocol
2.	IAEC/4/23/21	Gurudev Singh Raina / Dr. Sidharth Mehan	Neuroprotective potential of melatonin mediated IGF-1/GLP-1 activation in methylmercury-induced experimental model of	Available	75 Wistar Rats/ Either Sex	37 Wistar Rats/ Either Sex	Submission of revised protocol

[Signature]
04/11/23

[Signature]

[Signature]

[Signature]

			amyotrophic lateral sclerosis in adult wistar rats				
3.	IAEC/4/2 3/22	Aakash/ Dr. Sidharth Mehan	Neuroprotective potential of azithromycin against traumatic brain injury-induced adult wistar rats	Available	39 Wistar Rats/ Either Sex	17 Wistar Rats/ Either Sex	Submission of revised protocol
4.	IAEC/4/2 3/23	Abhinay Dhiman/ Dr. Sidharth Mehan	Neuroprotective potential of baicalin in 8-OH-DPAT-induced experimental model of obsessive-compulsive disorder in adult wistar rats	Available	55 Wistar Rats/ Either Sex	29 Wistar Rats/ Either Sex	Submission of revised protocol
5.	IAEC/4/2 3/24	Manjeet Kumar / Dr. Sidharth Mehan	Neuroprotective potential of genistein in propionic acid-induced experimental model of autism in adult wistar rats	Available	55 Wistar Rats/ Either Sex	29 Wistar Rats/ Either Sex	Submission of revised protocol
6.	IAEC/4/2 3/25	Ramaish / Dr. Sidharth Mehan	Neuroprotective potential of oleanolic acid in methylmercury-induced experimental model of amyotrophic lateral sclerosis in adult wistar rats	Available	55 Wistar Rats/ Either Sex	29 Wistar Rats/ Either Sex	Submission of revised protocol
7.	IAEC/4/2 3/26	Tarun Sharma / Dr. Sidharth Mehan	Neuroprotective potential of paeonol in ethidium bromide-induced experimental model of multiple sclerosis in adult wistar rats	Available	55 Wistar Rats / Either Sex	29 Wistar Rats/ Either Sex	Submission of revised protocol
8.	IAEC/4/2 3/27	Gurpreet Singh / Dr. Sidharth Mehan	Effect of vinpocetine-based HDAC inhibitors in streptozotocin-induced experimental model of diabetes in adult wistar rats	Available	40 Wistar Rats/ Either Sex	21 Wistar Rats/ Either Sex	Submission of revised protocol
9.	IAEC/4/2 3/28	Vikas Kumar / Dr. Prabha Rajput	Protective effect of beta-alanine in stress induced alcohol addiction in wistar rats	Available	48 Wistar Rats/ Either Sex	45 Wistar Rats/ Either Sex	Submission of revised protocol
10.	IAEC/4/2 3/29	Vaibhav /Dr.	Investigating the neuroprotective effect of	Available	61 Wistar Rats /	51 Wistar	Submission of revised protocol

[Signature]
01/11/2023

[Signature]
Khodja

[Signature]

[Signature]
8/11/23

		Shamsher Singh	Aescin in rotenone and iron supplement induced Parkinson's disease targeting Nrf-2/Akt signaling pathway		Either Sex	Rats/ Either Sex	
11.	IAEC/4/2 3/30	Shashikesh Shukla /Dr. Shamsher Singh	Protective effect of Fucoxanthin in ibotenic acid induced cognitive impairment in wistar rats via modulation of Akt/GSK-3 β pathway	Available	54 Wistar Rats/ Either Sex	48 Wistar Rats/ Either Sex	Submission of revised protocol
12.	IAEC/4/2 3/31	Ashutosh Ranjan /Dr. Shamsher Singh	Investigating the neuroprotective effect of β -Sitosterol against alcohol exposure induced dementia by targeting on GSK-3 β pathway	Available	76 Wistar Rats/ Either Sex	39 Wistar Rats/ Either Sex	Submission of revised protocol
13.	IAEC/4/2 3/32	Lovekesh Singh/ Dr. Shamsher Singh	Protective effect of Honokiol and Dapagliflozin in Glucosamine-nitrosourea and metal associated Alzheimer's disease in Experimental Rats	Available	206 Wistar Rats/ Either Sex	68 Wistar Rats/ Either Sex	Submission of revised protocol
14.	IAEC/4/2 3/33	Lav Goyal/ Dr. Shamsher Singh	Protective effect of Empagliflozin and Cryptotanshinone in experimental models of traumatic brain injury in rats: Current molecular approaches	Available	224 Wistar Rats/ Either Sex	126 Wistar Rats/ Either Sex	Submission of revised protocol
15.	IAEC/4/2 3/34	Shaveta / Dr. Shamsher Singh	Pharmacological and possible mechanistic evaluation of novel drug targets for anti-Alzheimer's potential in experimental animal model	Available	54 Wistar Rats/ Either Sex	48 Wistar Rats/ Either Sex	Submission of revised protocol
16.	IAEC/4/2 3/35	Dr. Ravi Dhaliya/ Dr. Shamsher Singh	Physico-chemical, Pharmacological & Therapeutic evaluation Of Chirabilva (Holoptelea integrifolia) in Hepatic lipid Metabolism of Alcohol Induced Fatty	Available	24 Wistar Rats/ Either Sex	24 Wistar Rats/ Either Sex	Submission of revised protocol

Shamsher Singh
04/11/2023

Khadge

Shamsher Singh

Shamsher Singh

Shamsher Singh
07/11/23

			Hepatic Changes: An experimental study				
--	--	--	--	--	--	--	--

Item No.3: Changing name on CPCSEA/CCSEA registration letter from Indo Soviet Friendship College of Pharmacy, Moga to ISF College of Pharmacy and ISFAL, GT Road, Moga – 142 001(Punjab).

[Signature]
04/11/2023

Dr. G.D. Gupta
Chairman, IAEC

[Signature]
04/11/2023

Dr. Shamsheer Singh
Member Secretary

[Signature]
04/11/2023

Dr. R. K. Narang
Scientist from different biological discipline

[Signature]

Khadga Raj Aran
Scientist from different biological discipline

online

Dr. Gursimranpreet Singh
Veterinarian

online

Dr. Pradeep Kumar
Scientist from outside the institute

online

Dr. Amit Kumar
Socially Aware Member

[Signature]

Dr. Rahul Deshmukh
Main Nominee



[Handwritten signature]
04/11/2023

[Handwritten signature]
04/11/2023

[Handwritten signature]



ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL

Approved by PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)

Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh

24th Rank in NIRF 2023 in Pharmacy

Ref. No. *ISF/CP/2024/1206(L)*


Date: *01/01/2024*

INSTITUTIONAL ETHIC COMMITTEE (IEC)

Committee Constitution

Name of Member	Qualification	Role/Designation in Ethics Committee
Dr. Satish Kaura	MBBS, MS	Chairman
Dr. Rajesh Kumar Puri	MBBS (MD Medicine) Clinician	Clinician
Dr. Daizy Sood	MBBS (MD - Obstetrics & Gynecology)	Clinician
Dr. Dipika Bansal	MBBS (MD-Pharmacology)	Basic Medical Scientist
Mr. Jay Rajput	B.Sc. (M.Sc)	Lay Person
Dr. Muskan Garg	MBBS (Not Applicable)	Scientific Member
Dr Arti Singh	M.Pharm., Ph.D.	Member
Mr. Arun Kumar	LLB (Not Applicable)	Legal Expert
Dr. G.D. Gupta	M.Pharm., Ph.D.	Social Scientist
Dr. Amit Sharma	M.Pharm., Ph.D.	Member Secretary


Date of constitution : 15-07-2018
Date of 1st Revision : 01-01-2021
Date of 2nd Revision : 01-07-2022
Date of 3rd Revision : 01-01-2024
Web-Link : <http://isfcp.org/i/committees/>
Responsibilities : As per the guidelines of CDSCO


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)

Duration of committee : Three years

Meetings Schedule : At least 2 meetings in a year. If any emergency, meeting will be called by Director of the Institute.

Record Maintained by : Coordinator/Secretary of the Committee


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)

Prof. (Dr.) G. D. Gupta

Director-cum-Principal



File No. EC/17/000054
Government of India
Ministry of Health & Family Welfare
Directorate General of Health Services
Office of Drugs Controller General (India)
Central Drugs Standard Control Organization

FDA Bhawan, Kolla Road,
New Delhi - 110002, India
Dated: 12-Apr-2018

To

The Chairman
Institution Ethics Committee ISFCP, Moga
ISF College of Pharmacy
Ferozpur GT Road Ghal Kalan Moga Moga Punjab -
142001 India

Subject: Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945.

Sir/Madam,

Please refer to your application no. EC/NEW/INST/2017/1629 dated 09-Dec-2017 submitted to this Directorate for the Registration of Ethics Committee.

Based on the documents submitted by you this office hereby registers the Institution Ethics Committee ISFCP, Moga, ISF College of Pharmacy Ferozpur GT Road Ghal Kalan Moga Moga Punjab - 142001 with Registration number ECR/296/Indt/PB/2018 as per the provisions of Rule 122DD of the Drugs and Cosmetics Rules, 1945 subject to the following conditions:

1. The Ethics Committee shall review and approve only the study protocols and related documents of Bioavailability/Bioequivalence studies of the approved drug molecules and also carry ongoing review of such studies.
2. The Ethics Committee shall review and accord its approval to Bioavailability/Bioequivalence studies and also carry ongoing review of such studies at appropriate intervals, as specified in Schedule Y and the Good Clinical Practice Guidelines for Clinical Trials in India and other applicable regulatory requirements for safeguarding the rights, safety and well being of the trial subjects.
3. In the case of any serious adverse event occurring during Bioavailability/Bioequivalence studies, the Ethics Committee shall analyze and forward its opinion as per procedures specified under APPENDIX XII of Schedule Y.
4. The Ethics Committee shall allow inspectors or officials authorized by the Central Drugs Standard Control Organization to enter its premises to inspect any record, data or any document related to Bioavailability/Bioequivalence studies and provide adequate replies to any query raised by such inspectors or officials, as the case may be, in relation to the conduct of Bioavailability/Bioequivalence studies.
5. The licensing authority shall be informed in writing in case of any change in the membership or the constitution of the ethics committee takes place.
6. All the records of the ethics committee shall be safely maintained after the completion or termination of the study for not less than five years from the date of completion or termination of the trial (Both in hard and soft copies).
7. If the Ethics Committee fails to comply with any of the conditions of registration, the Licensing Authority may, after giving an opportunity to show cause why such an order should not be passed, by an order in writing stating the reasons therefore, suspend or cancel the registration of the Ethics Committee for such period as considered necessary.
8. This registration shall be in force for a period of three years from the date of issue, unless it is sooner

suspended or cancelled. Provided that if the application for re-registration is received by the Licensing Authority within three months before the expiry, the registration shall continue to be in force until orders are passed by the said authority.

a. The Licensing Authority shall be informed in writing in case of any change in the membership or the constitution of the Ethics Committee takes place.

9. Ethics Committee shall consist of not less than seven members and is subject to a maximum of 15. One among its members, who is from outside the Institute, shall be appointed as chairman, one member as a Member Secretary and rest of the members shall be from Medical, Scientific, Non Medical and Non-scientific fields including lay public.

10. The committee shall include at least one member whose primary area of interest or specialization is Non-scientific and at least one member who is independent of the institution besides; there should be appropriate gender representation on the Ethics Committee.

11. The Ethics committee can have as its members, individuals from other Institutions or Communities, if required.

12. Members should be conversant with the provisions under Schedule Y, Good Clinical Practice Guidelines for clinical trials in India and other regulatory requirements to safeguard the rights, safety and well-being of the trial subjects.

13. For review of each protocol the quorum of Ethics Committee shall be at least five members with the following representations:

- i. Basic medical scientist (preferably one pharmacologist)
- ii. Clinician
- iii. Legal expert
- iv. Social scientist or representative of non-governmental voluntary agency or philosopher or ethicist or theologian or a similar person.
- v. Lay person from community

14. The members representing medical scientist and clinicians should have Post graduate qualification and adequate experience in their respective fields and aware of their role and responsibilities as committee members.

15. As far as possible, based on the requirement of research area such as HIV, Genetic disorder, etc., specific patient group may also be represented in the Ethics Committee.

16. There should be no conflict of interest. The members shall voluntarily withdraw from the Ethics Committee meeting while making a decision on an application which evokes a conflict of interest which may be indicated in writing to the Chairman prior to the review and be recorded so in the minutes. All members shall sign a declaration on conflict of interest.

17. Subject experts or other experts may be invited to the meetings for their advice. But no such expert shall have voting rights.

18. This certificate is issued to you on the basis of declaration/ submission by you and that registration is sought for Independent Ethics Committee.

19. Ethics Committee should review such number of protocols of Bioavailability/Bioequivalence studies of approved drug molecules which should be commensurate to the infrastructure and facilities available with them.

20. Status report of the functioning of the Ethics Committee should be submitted to the CDSCO headquarters and concerned zonal office on quarterly basis.

21. The details of funding support and amount of honorarium, if any, payable to the ethics committee members should be defined in the Standard Operating Procedure (SOP) of the committee and records to this extent shall be maintained.

22. Ethics committee should have dedicated office with required infrastructure and supporting staff. SOP's for funding of the Ethics committee in order to support their operations must be maintained. The records of income & expenditure of Ethics Committee shall be maintained for review and inspection.

23. Funding mechanisms for the Ethics Committee to support their operations should be designed to ensure that the committees and their members have no financial incentive to approve or reject particular studies.

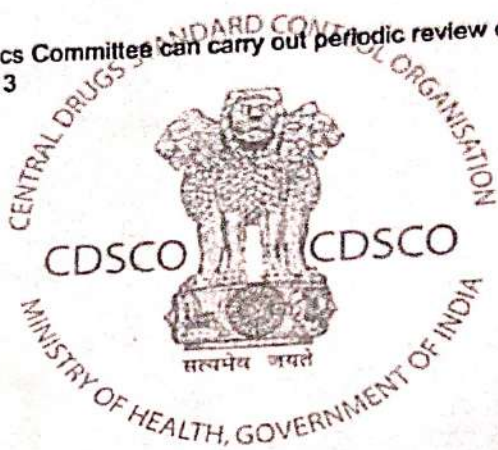
24. SOP's for funding of the Ethics committee in order to support their operations must be maintained. The records of income & expenditure of Ethics Committee shall be maintained for review and inspection.

25. The Chairman of Ethics Committee shall enter into MOU with head of institution, that necessary support and facilities and independence will be provided to Ethics Committee and their records will be maintained as long as required.

26. Ethics Committee may undertake the review and monitoring of clinical trial protocols of other investigator(s) and site(s) who do not have their IEC, subject to the condition that the other sites are within the local- regional and community settings similar to that of the registered Ethics committee. The approving Ethics Committee must be willing to accept their responsibilities for the study at such trial site(s) and the trial site(s) willing to accept such an arrangement.

27. Ethics Committee shall review and approve the suitability of the investigator and trial site for the proposed trial. The ethics committee shall undertake proper causality assessment of SAE's with the help of subject experts where required, for deciding relatedness and compensation, as per condition no (3) mentioned above.

However, it is informed that this Ethics Committee can carry out periodic review of ongoing clinical trials already approved by them prior to 30.01.2013



Digitally signed by S
ESWARA REDDY
Date: 2018.04.12
14:39:36 +05'30'
S ESWARA REDDY
(S. Eswara Reddy)
Drugs Controller General (I) &
Licensing Authority

**INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001**

Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by Central Drugs Standard Control Organization,
Government of India

PROJECT PROPOSALS SUBMITTED TO IEC OF ISF COLLEGE OF PHARMACY FOR APPROVAL (Meeting Date 05/05/2018)

S.No.	Name of the Department/Institute	Course	Name of the candidate (s)	Year of admission	Title of Proposed Work	Name of Supervisor	Remarks/Comments
1.	ISF College of Pharmacy, Moga	PharmD	AMANPREET KAUR	2013	A study on chronic hypertension associated cardiac complication (myocardial infarction) parametric analysis	Mr. Shamsheer Singh	<i>[Handwritten signature]</i>
2.	ISF College of Pharmacy, Moga	PharmD	DAVINDER SINGH	2013	Cross-sectional study on prevalence of genital herpes at tertiary care teaching hospital	Mr. Amit Sharma	<i>[Handwritten signature]</i>
3.	ISF College of Pharmacy, Moga	PharmD	GURVIR KAUR BRAR	2013	Retinal micro vascular abnormalities and cognitive dysfunction in older patients with type-2 diabetic patients at tertiary care teaching hospital	Mr. Sourabh Kosey	<i>[Handwritten signature]</i>
4.	ISF College of Pharmacy, Moga	PharmD	HARMANJIT KAUR	2013	Cross-sectional study on prescribing pattern of anti-hypertensive drugs in pregnancy	Dr MS Rathore	<i>[Handwritten signature]</i>
5.	ISF College of Pharmacy, Moga	PharmD	JASDEEP SINGH	2013	A prospective observational study to check the prevalence of diabetic nephropathy at tertiary care teaching hospital	Mr. Sourabh Kosey	<i>[Handwritten signature]</i>
6.	ISF College of Pharmacy, Moga	PharmD	KHUSHDEEP KAUR	2013	A prospective observational study to evaluate the prevalence of chronic kidney disease with diabetes mellitus and hypertension in a tertiary care hospital	Dr. Kanad Deepak	<i>[Handwritten signature]</i>
7.	ISF College of Pharmacy, Moga	PharmD	KIRTI TYAGI	2013	Drug utilization study in vaginal and caesarean section deliveries at tertiary care hospital	Dr. M.S Rathore	<i>[Handwritten signature]</i>
8.	ISF College of Pharmacy,	PharmD	MAHAKPREET SINGH	2013	Pharmacoeconomical and drug utilization evaluation of various anti-	Dr. Anoop Kumar	<i>[Handwritten signature]</i>

INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001

Ethics Committee Registration No. ECR/296/Indi/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by Central Drugs Standard Control Organization,
 Government of India

	Moga				diabetic and anti-hypertensive drugs and associated co-morbidities in a tertiary care hospital		
9.	ISF College of Pharmacy, Moga	PharmD	MANIK CHHABRA	2013	A prospective observational study on risk factors, management, outcomes and cost of illness in stroke patients	Dr. M.S Rathore	
10.	ISF College of Pharmacy, Moga	PharmD	MANPREET SINGH	2013	Prevalence and evaluation of depression, anxiety, stress among diabetic patients at a tertiary care hospital	Dr. Deepak Kanad	
11.	ISF College of Pharmacy, Moga	PharmD	MANSIMRAN KAUR	2013	Drug prescribing pattern in diabetes mellitus and associated co-morbid conditions at tertiary care teaching hospital	Mr. Sourabh Kosey	
12.	ISF College of Pharmacy, Moga	PharmD	NAVDEEP KAUR	2013	A prospective observational study on prescribing pattern of antibiotics in respiratory tract infections in a tertiary care hospital	Dr. Kanad Deepak	
13.	ISF College of Pharmacy, Moga	PharmD	PALAKDEEP KAUR	2013	Prospective study on efficacy and safety of drug therapy for urinary tract infection and assessment of its predisposing risk factors	Dr. M.S Rathore	
14.	ISF College of Pharmacy, Moga	PharmD	PARMPREET SINGH	2013	Assessment of risk factor of cognitive dysfunction in patients receiving care in reference hospital : A prospective observational study	Mr. Amit Sharma	
15.	ISF College of Pharmacy, Moga	PharmD	PAVNEET KAUR	2013	Diabetes mellitus risk screening in urban and rural population of Moga using three different questionnaires	Dr. M.S Rathore	
16.	ISF College of Pharmacy, Moga	PharmD	PIYUSH SIKKA	2013	Prevalence on factors affecting bone Mineral density in females suffering from osteopenia and osteoporosis	Mr. Amit Sharma	

INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001

Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by Central Drugs Standard Control Organization,
 Government of India

17.	ISF College of Pharmacy, Moga	PharmD	PRABHJOT KAUR	2013	To study hypertension and diabetes mellitus associated risk factors among chronic kidney disease patients	Mr. Shamsher Singh	
18.	ISF College of Pharmacy, Moga	PharmD	PUNEET SHARMA	2013	Cross-sectional study on adverse drug reaction by spontaneous reporting in different wards of tertiary care hospital in north india	Dr. M.S Rathore	
19.	ISF College of Pharmacy, Moga	PharmD	SANDEEP KAUR	2013	A prospective observational study on drug utilization pattern in patients of diabetes mellitus at tertiary care hospital	Dr. M.S Rathore	
20.	ISF College of Pharmacy, Moga	PharmD	SIDAK SINGH	2013	Understanding mult-ifactorial architecture of depression: A survey study to analyze knowledge based perception of youth towards alcohol and drug abuse	Mr. Ravi Ranjan	
21.	ISF College of Pharmacy, Moga	PharmD	SIMRANPREET KAUR	2013	Drug utilization study and prevalence of cognitive dysfunction in diabetes mellitus patients at tertiary care teaching hospital	Mr. Amit Sharma	
22.	ISF College of Pharmacy, Moga	PharmD	SUKHPREET SINGH	2013	Prospective observational study to evaluate the prescribing pattern of drugs in liver disease at tertiary care hospital	Dr. Mandeep Kaur	
23.	ISF College of Pharmacy, Moga	PharmD	TANUSHKA	2013	Study on prescription pattern and evaluation approach to perform antimicrobial stewardship program in pediatrics department in-patient at a tertiary care hospital	Dr. Mandeep Kaur	
24.	ISF College of Pharmacy, Moga	PharmD	TARANPREET KAUR	2013	Drug utilization study and prevalence of cognitive dysfunction in diabetes mellitus patients at tertiary care	Mr. Amit Sharma	

INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001

Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by Central Drugs Standard Control Organization,
 Government of India

					teaching hospital		
25.	ISF College of Pharmacy, Moga	PharmD	BALRAJ KAUR	2013	Clinical practice evaluation of diabetic neuropathy in tertiary care teaching hospital	Mr. Sourabh Kosey	
26.	ISF College of Pharmacy, Moga	PharmD	NEHA	2013	Drug Utilization evaluation of drugs used in emergency room during initial treatment at tertiary care hospital: A prospective observational study	Mr. Amit Sharma	
27.	ISF College of Pharmacy, Moga	PharmD	ROBIN	2013	Comparison between negative pressure wound therapy and wet saline dressing for the prevention of diabetic foot amputation in diabetes mellitus patients at tertiary care teaching hospital	Mr. Sourabh Kosey	
28.	ISF College of Pharmacy, Moga	PharmD	NOEL	2013	Evaluation of medication adherence in type-2 diabetes mellitus patients at tertiary care hospital	Mr. Ravi Ranjan	
29.	ISF College of Pharmacy, Moga	PharmD	GEDDIDIE	2013	Prospective observational study on various complications in type II diabetes mellitus at tertiary care hospital	Mr. Virvikram Sharma	
30.	ISF College of Pharmacy, Moga	PharmD	SHIKHA	2013	Evaluation of the drug utilization pattern in pre and post operative drugs used in surgical department in a tertiary care teaching hospital: A prospective observational study	Dr. Anoop Kumar	
31.	ISF College of Pharmacy, Moga	PharmD	ANKIT	2013	Assessment of predisposing factors and prescription pattern of coronary artery disease patients at tertiary care hospital	Dr. Kanad Deepak	
32.	ISF College of Pharmacy, Moga	PharmD	DEEPA	2013	Study on prescribing pattern of antidiabetic agents at tertiary care teaching hospital	Dr. Kanad Deepak	
33.	ISF College of Pharmacy,	PharmD	PAWANDEEP	2013	Comparative study on knowledge regarding psychological symptoms and	Dr. Mandeep Kaur	

INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001

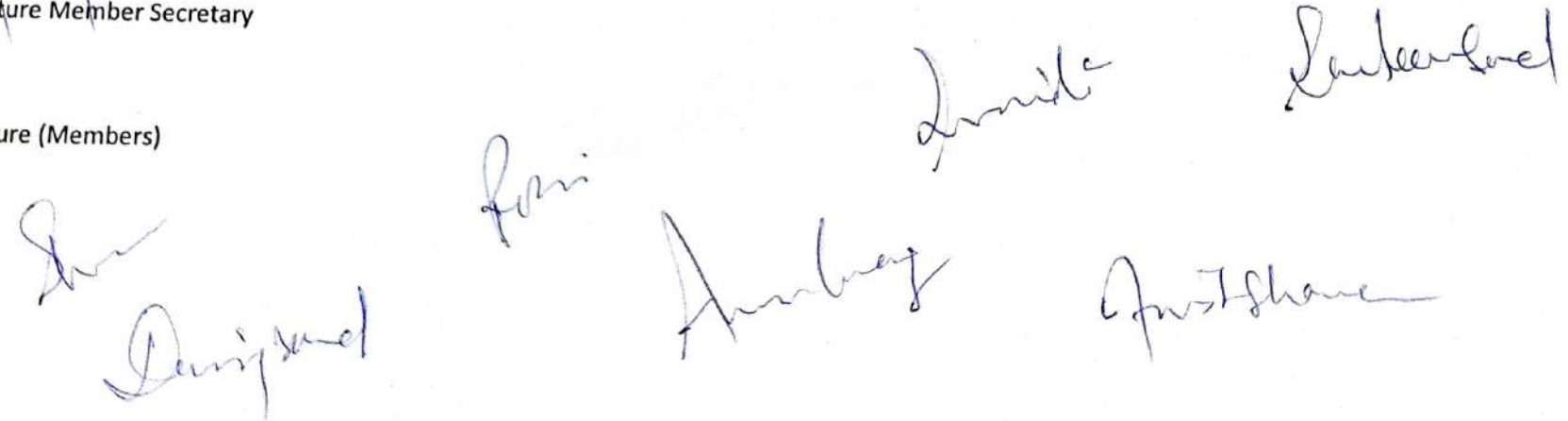
Ethics Committee Registration No. ECR/296/Ind/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by Central Drugs Standard Control Organization,
 Government of India

	Moga				hormonal changes about menopause between urban and rural women in selected areas of Moga		
34.	ISF College of Pharmacy, Moga	PharmD	SHUBHAM SHARMA	2013	Prospective study on preanesthetic medication in various surgeries at tertiary care teaching hospital	Dr. Mandeep Kaur	
35.	ISF College of Pharmacy, Moga	PhD	AMIT SHARMA	-	Drug utilization Study in Hypertension and diabetes mellitus patients at tertiary care hospital	Dr Ashish Baldi	
36.	ISF College of Pharmacy, Moga	PhD	Sourabh Kosey	2017	Pharmacy Practice and Clinical Services among diabetes mellitus patients : Exploring potential role of medical and paramedical staffs in northern India	Dr Saurabh Sharma	


 Signature Chairman IEC


 Signature Member Secretary

Signature (Members)



PharmD 5th Year PROTOCOL SUBMITTED ON 20 July 2018

S. No.	Regd. No.	Student's Name	TITLE	Sig. Student
1.	1438777	AMARJEET SINGH	COMPARISON BETWEEN POVIDONE IODINE AND WITH NEGATIVE PRESSURE WOUND THERAPY IN HEALING DIABETIC FOOT ULCER	<i>Amarjeet Singh</i>
2.	1438778	AMIT SHARMA	PREVALENCE AND CLINICAL OUTCOMES USED IN DRUG THERAPY IN DIABETES MELLITUS PATIENTS	<i>Amit Sharma</i>
3.	1438779	ANCHAL TYAGI	Drug Utilization Evaluation and Analysis of Drug Related Problems in Patients with non communicable diseases at Tertiary care hospital	<i>Anchal Tyagi</i>
4.	1438780	ANN MERIN SAJI	DRUG UTILISATION EVALUATION STUDIES IN NEONATES WITH CLINICALLY PROVEN SEPSIS ADMITTED IN NICU AT A TERTIARY CARE HOSPITAL	<i>Annmerin Saji</i>
5.	1438781	ANUPINDERJIT KAUR		
6.	1438782	ARSHPREET KAUR	PHARMCOECOMONIC EVALUATION AND MANAGEMENT OF HYPOGLYCEMIA WITH TYPE II DIABETES AND HYPERTENSION AT TERTIARY CARE HOSPITAL	<i>Arshpreet Kaur</i>
7.	1438784	DIVESH TYAGI	PHARMACOVIGILLANCE STUDY IN DIABETES MELLITUS PATIENTS ATTENDING A TERTIARY CARE TEACHING HOSPITAL IN NORTH INDIA	
8.	1438785	DUPINDER KAUR	EVALUATION OF PHARMACIST INTERVENTION AND ITS IMPACT ON COMPLIANCE AND QUALITY OF LIFE IN DERMATOLOGY PATIENT	<i>Dupinder Kaur</i>
9.	1438786	GURPREET KAUR	TO STUDY RISK FACTORS, MANAGEMENT, OUTCOME OF DRUG THERAPY, PHARMACOECONOMIC ASPECTS AND MONITORING OF ADR IN PATIENTS WITH URINARY TRACT INFECTION AT TERTIARY CARE HOSPITAL OF PUNJAB	<i>Gurpreet Kaur</i>
10.	1438789	HARNOOR KAUR	TO EVALUATE THE PREVALENCE AND DRUG UTILISATION PATTERN OF VARIOUS COMPLICATIONS IN TYPE II DIABETES MELLITUS PATIENTS AT TERTIARY CARE HOSPITAL	<i>Harnoor Kaur</i>
11.	1438790	HITESH GOYAL	ASSESSMENT OF KNOWLEDGE, ATTITUDE, PRATICE AND DRUG UTILISATION IN PATIENTS WITH GESTATIONAL DIABETES AND HYPERTENSION IN PREGNANCY AT TERTIARY CARE HOSPITAL OF PUNJAB	<i>Hitesh Goyal</i>
12.	1438791	JASMEEN KAUR	TO STUDY THE DRUG USE PÄTERN, OUTCOME OF THERAPY AND MONITORING OF ADRS IN PREGNANCY AT TERTIARY CARE HOSPITAL OF PUNJAB	<i>Jasmeen Kaur</i>
13.	1438792	KHUSHALI	STUDIES ON KNOWLEDGE ATTITUDE PRACTICE	

	90418- 71949	KHURANA	DRUG UTILISATION AND PHARMACOECONOMIC IN DIABETIC PATIENTS AT MULTISPECIALITY HOSPITAL	<i>Khushi Khurana</i>
14.	1438794 95012- 82951	MANDEEP KAUR	SOCIO-DEMOGRAPHIC CHARACTERISTICS AND DRUG UTILIZATION OF OSTEOPOROSIS AND OSTEOPENIA PATIENTS AT TERTIARY CARE HOSPITAL	<i>Mandeep Kaur</i>
15.	1438796	MONIKA KAPOOR	A PROSPECTIVE STUDY ON DRUG UTILISATION EVALUATION OF HYPERTENSIVE AND DIABETIC PATIENTS IN TERTIARY CARE HOSPITAL	<i>Monika</i>
16.	1438795	MANPHOOL KAUR	PREVALENCE, AWARENESS, TREATMENT, CONTROL OF TYPE 2 DIABETES MELLITUS AND RISK FACTORS IN URBAN AND RURAL POPULATION OF PUNJAB	<i>Manphool Kaur</i>
17.	1438797	RAHUL KESARI	EVALUATION AND ASSESSMENT OF KNOWLEDGE ATTITUDE AND PRACTICE TOWARDS NATIONAL IMMUNISATION SCHEDULE (NIS) FOR INFANTS, CHILDREN AND PREGNANT WOMEN AT TERTIARY CARE HOSPITAL	<i>Rahul Kesari</i>
18.	1438798	RISHAB ARORA	A PROSPECTIVE STUDY ON UTILIZATION PATTERN OF ANTI-DIABETIC DRUGS IN TYPE II DIABETES MELLITUS PATIENTS ATTENDING A TERTIARY CARE HOSPITAL IN NORTH INDIA	<i>Rishab</i>
19.	1438799	RISHABH	POTENTIAL INAPPROPRIATE MEDICATIONS IN ELDERLY PATIENTS	<i>Rishabh</i>
20.	1438800 8727904008	RUBAL SHARMA	PHARMACOECONOMIC EVALUATION AND OVERVIEW OF THE TREATMENT PROGNOSIS AND FOLLOW UP HEPATITS C PATIENT AT TERTIARY CARE HOSPITAL	<i>Rubal Sharma</i>
21.	1438801	SIMRAN KAUR	DRUG UTILISATION EVALUATION OF CORONARY ARTERY DISEASE PATIENT AT TERTIARY CARE HOSPITAL	<i>Simran Kaur</i>
22.	1438802	SUKHDEEP KAUR	STUDY ON DRUG UTILISATION PATTERN IN PATIENTS WITH TYPE II DIABETES WITH DIABETIC NEPHROPATHY AND CHRONIC KIDNEY DISEASE IN TERTIARY CARE TEACHING HOSPITAL	<i>Sukhdeep Kaur</i>
23.	1457946	Aseem Sethi	EVALUATION OF ANTIBIOTIC PRESCRIPTION PRACTICES IN TERTIARY CARE HOSPITAL : A PROSPECTIVE STUDY	
24.	1460327	KHUSHESHWAR PRASAD SINGH	A STUDY OF PRESCRIPTION AUDIT AND ASSESSMENT OF PRESCRIBING PRACTICE USING WHO PRESCRIBING INDICATOR IN INPATIENT IN TERTIARY CARE HOSPITAL	
25.	1339192 95015 34445	HARMANDEEP SINGH DHALIWAL	PREVALENCE, AWARENESS, TREATMENT, CONTROL OF TYPE 2 DIABETES MELLITUS AND RISK FACTORS IN URBAN AND RURAL POPULATION OF PUNJAB	<i>Harmandeep</i>
26.	1722630	Sukhvir Kaur	KNOWLEDGE, ATTITUDE AND PRACTICE OF ANTIBIOTIC USE AND EVALUATION OF TREATMENT EFFICACY IN PATIENTS UNDERGOING SURGERY AND	

**PharmD 5th & PharmD (PB) 2nd Year List of Protocols (3 copies) submitted on
 15/10/2019**

S. No.	Regd. No.	Student's Name	TITLE
1.	15180002	Akash	COMPARISON AND EFFECTIVENESS OF THREE DIFFERENT SCORING SYSTEMS USED FOR PREDICTING MORTALITY AND MORBIDITY IN EMERGENCY AND SURGICAL DEPARTMENT AT TERTIARY CARE HOSPITAL
2.	15180003	Akhil Kumar Kansal	ASSESSMENT AND EVALUATION OF TREATMENT IN PATIENTS SUFFERING FROM ACNE BY GLOBAL ACNE GRADING SYSTEM AT TERTIARY CARE HOSPITAL
3.	15180004	AlrazyYusif Basheer Suliman	DRUG UTILIZATION EVALUATION OF DRUGS USED IN LIVER DISEASE AT TERTIARY CARE TEACHING HOSPITAL IN NORTH INDIA
4.	15180005	Amandeep Singh	COMPARISON STUDY FOR PREDICTING RISK OF DIABETES MELLITUS USING INDIAN DIABETES RISK SCORE AND FINNISH DIABETES RISK SCORE
5.	15180006	Ashmeen	SCREENING AND ANALYSIS OF CARDIOVASCULAR DISEASES TO ESTABLISH AN ASSOCIATION WITH ABO BLOOD GROUPs AND Rh FACTOR
6.	15180007	Daljeet Singh	CHEST PAIN IN THE EMERGENCY ROOM: VALIDATION AND COMPARISON OF TIMI, PURSUIT AND HEART SCORE TO PREDICT MAJOR ADVERSE CARDIAC EVENT
7.	15180008	Dalvir Singh	TO EXPLORE INTERNATIONAL DIABETES TREATMENT GUIDELINES AND CURRENT STATUS OF PRESCRIBING PATTERN IN DIABETES MELLITUS
8.	15180009	Gazalpreet Kaur	EVALUATION OF PRESCRIBING PATTERN OF DRUGS USED IN CHRONIC KIDNEY DISEASE PATIENTS UNDERGOING MAINTENANCE HAEMODIALYSIS AT A TERTIARY CARE TEACHING

**INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001**

Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by
Central Drugs Standard Control Organization, Government of India

			HOSPITAL
9.	15180010	Harjeet Kaur	TO STUDY AND EVALUATE THE PREVALENCE OF DIABETIC NEUROPATHY IN LONG TERM DIABETIC PATIENTS IN A TERTIARY CARE HOSPITAL
10.	15180011	Manpreet Kaur	CHILD PUGH SCORE VERSUS MELD (MODEL FOR END STAGE LIVER DISEASE) AND MADDREY'S DISCRIMINANT FUNCTION SCORE FOR PREDICTING MORTALITY OF ALCOHOLIC LIVER DISEASE
11.	15180012	Manpreet Kaur	ASSESSMENT AND EVALUATION OF DOSAGE REGIMEN OF DRUGS USED IN PATIENTS SUFFERING FROM CHRONIC KIDNEY DISEASE AT TERTIARY CARE HOSPITAL
12.	15180013	Megha	TO DETERMINE CLINICAL INTERVENTIONS AND OUTCOMES IN MANAGEMENT OF DIABETIC NEPHROPATHY AT TERTIARY CARE TEACHING HOSPITAL OF FARIDKOT
13.	15180014	Megha	DRUG UTILIZATION EVALUATION OF DRUGS USED IN LIVER DISEASE AT TERTIARY CARE TEACHING HOSPITAL IN NORTH INDIA
14.	15180017	Prince Singla	ASSESSMENT AND EVALUATION OF EMERGENCY SERVICES PROVIDED IN HOSPITALS LOCATED AT FARIDKOT (PUNJAB)
15.	15180018	Priya	TO STUDY THE IMPACT OF SOCIOECONOMIC STATUS ON BLOOD PRESSURE LEVELS AND CONTROL AT TERTIARY CARE HOSPITAL
16.	15180019	RashikaGogia	ASSESSMENT AND EVALUATION OF TREATMENT IN PATIENTS SUFFERING FROM ACNE BY GLOBAL ACNE GRADING SYSTEM AT TERTIARY CARE HOSPITAL
17.	15180020	Ravneet Kaur	ASSESSMENT AND EVALUATION OF CARDIOVASCULAR EVENTS AND ABILITY OF ACEF SCORE TO PREDICT IN-HOSPITAL OUTCOMES AT CARDIOLOGY DEPARTMENT.
18.	15180021	Riya Raju	COMPARISON OF THREE RISK SCORING SYSTEMS

INSTITUTION ETHICS COMMITTEE ISFCP, MOGA

ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001

Ethics Committee Registration No. ECR/296/Indi/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by
Central Drugs Standard Control Organization, Government of India

			AMONG (DYNAMI TIMI RISK SCORE, CADILLAC, ZWOLLE) FOR PREDICTION OF SHORT-TERM MORTALITY IN PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION AT TERTIARY CARE HOSPITAL.
19.	15180022	Rohit Sharma	ASSESSMENT OF QUALITY OF LIFE IN FAMILY MEMBERS OF PATIENTS WITH DERMATOLOGICAL DISEASES
20.	15180023	Satnamsingh	ASSESSMENT AND EVALUATION OF EMERGENCY SERVICES PROVIDED IN HOSPITALS LOCATED AT FARIDKOT (PUNJAB)
21.	15180024	ShagunKainth	TO STUDY THE PRESCRIBING PATTERN AND TO ACCESS THE KNOWLEDGE ATTITUDE AND PRACTICE OF PATIENT REGARDING ANAEMIA USING KAP QUESTIONNAIRE
22.	15180025	Shikha Parbhakar	ASSESSMENT AND IMPACT OF QUALITY OF LIFE IN PATIENTS ATTENDING DERMATOLOGY DEPARTMENT AT TERTIARY CARE HOSPITAL.
23.	15180027	Sunmeet Kaur Johal	RETINAL MICROVASCULAR ABNORMALITIES AND COGNITIVE DYSFUNCTION IN OLDER PATIENTS WITH TYPE-II DIABETIC PATIENTS AT TERTIARY CARE TEACHING HOSPITAL
24.	15180028	Tanvi	COMPARISON OF APACHE II AND SAPS II SCORING SYSTEMS IN PREDICTING MORTALITY AND MORBIDITY AT TERTIARY CARE HOSPITAL
25.	15180029	Taran Deep Kaur	RETINAL MICROVASCULAR ABNORMALITIES AND COGNITIVE DYSFUNCTION IN OLDER PATIENTS WITH TYPE-II DIABETIC PATIENTS AT TERTIARY CARE TEACHING HOSPITAL
26.	15180030	Tarun Chaudhary	EVALUATION AND ASSESSMENT OF PRESCRIPTION PATTERN OF ANTIBIOTICS IN INFECTIOUS DISEASES IN TERTIARY CARE HOSPITAL IN NORTH INDIA.
27.	15180031	Tek Singh	ASSESSING THE PATTERN OF ADRs AND DRUG INTERACTION IN TUBERCULOSIS PATIENT WITH OR WITHOUT COMORBIDITY

**INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001**

Ethics Committee Registration No. ECR/296/Indt/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by
Central Drugs Standard Control Organization, Government of India

28.	15180032	Vikramjeet Singh Sran	ASSESSMENT AND EVALUATION OF EMERGENCY SERVICES PROVIDED IN HOSPITALS LOCATED AT FARIDKOT (PUNJAB)
29.	1813784	Bhavnish Kaur Panesar	TO STUDY AND EVALUATE THE PREVALENCE OF DIABETIC NEUROPATHY IN LONG TERM DIABETIC PATIENTS IN A TERTIARY CARE HOSPITAL
30.	1813785	Burhan Nazir Bhat	PHARMACEUTICAL CARE ASSESSMENT OF DRUG THERAPY RELATED PROBLEMS IN TYPE 2 DIABETIC MELLITUS PATIENTS
31.	1813786	Dimple Goyal	RETINAL MICROVASCULAR ABNORMALITIES AND COGNITIVE DYSFUNCTION IN OLDER PATIENTS WITH TYPE-II DIABETIC PATIENTS AT TERTIARY CARE TEACHING HOSPITAL
32.	1813787	Gagandeep	TO EXPLORE INTERNATIONAL DIABETES TREATMENT GUIDELINES AND CURRENT STATUS OF PRESCRIBING PATTERN IN DIABETES MELLITUS
33.	1813788	Hilal Ahmad Shah	PHARMACEUTICAL CARE ASSESSMENT OF DRUG THERAPY RELATED PROBLEMS IN TYPE 2 DIABETIC MELLITUS PATIENTS
34.	1813789	MaguemgaHoms ChanelineDorice	A PROSPECTIVE STUDY ON PREVALENCE OF ANAEMIA OF PREGNANT WOMEN AND IT'S MATERNAL AND FETAL OUTCOMES IN A TERTIARY CARE HOSPITAL
35.	1813790	Nisha Kumari	ASSESSMENT OF CA 125 TUMOUR MARKER IN OVARIAN CANCER AND ITS CORRELATION WITH SPECIFIC DISEASES IN OBSTETRICS AND GYNAECOLOGY DEPARTMENT AT TERTIARY CARE HOSPITAL
36.	1813792	Shesham Kumari	ORAL HEALTH AND DIETARY PLAN OF DIABETIC PATIENT IN TERTIARY CARE HOSPITAL
37.	1813793	Simranjotkaur	TO DETERMINE CLINICAL INTERVENTIONS AND OUTCOMES IN MANAGEMENT OF DIABETIC NEPHROPATHY AT TERTIARY CARE TEACHING HOSPITAL OF FARIDKOT
38.	1813794	Sunny Kaundal	COMPARATIVE STUDY TO EVALUATE THE ASSOCIATION AND PREVALENCE OF COGNITIVE

**INSTITUTION ETHICS COMMITTEE ISFCP, MOGA
ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, 142001**

Ethics Committee Registration No. ECR/296/Indi/PB/2018 issued under Rule 122DD of the Drugs & Cosmetics Rules 1945 by
Central Drugs Standard Control Organization, Government of India

			DYSFUNCTION IN DIABETES MELLITUS PATIENTS AT TERTIARY CARE TEACHING HOSPITAL
--	--	--	---


Signature Faculty Members/Evaluators

Dated: 30.03.2021

**AGENDA FOR ONLINE IHEC MEETING
ISF COLLEGE OF PHARMACY, PUNJAB
held on 30 March, 2021**

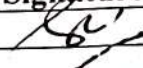
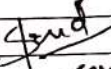
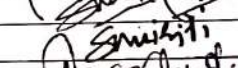
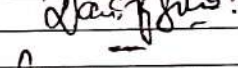
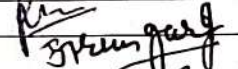
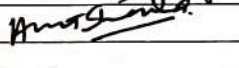
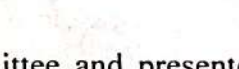
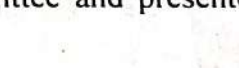
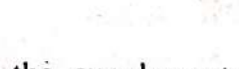
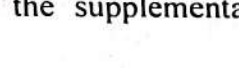
The agenda for the meeting to be discussed by the members includes:

1. Introduction of the members for re-registration of institutional human ethical committee registered with Department of Health Research, New Delhi.
2. Protection of the dignity, rights safety and well being of the potential research participants, with particular care to protect all vulnerable subjects participating in the study.
3. Facilitation of the research protocols by reviewing, approving, modifying or disapproving submitted proposals by the researchers.
4. Ensuring that universal ethical values and international scientific standards are expressed in terms of local community values and customs.
5. To assist in the development and education of a research community responsive to local health care needs.

The above agenda will be open for ratification by honorable members.

MINUTES OF MEETING 3rd INSTITUTIONAL HUMAN ETHICS COMMITTEE**ONLINE (IHEC) on 30th March 2021**

An institutional human ethical committee online meeting was conducted under the Chairpermanship of Dr. Satish Kaura, MBBS, MD for the approval 20 studies (enclosed with the document) by the Institutional Human Ethics Committee (IHEC), ISF College of Pharmacy, Moga, Punjab registered with Department of Health Research, New Delhi. The following members of IHEC were present in the meeting.

S. No.	Name	Designation	Signature
1.	Dr. Satish Kaura	Chair Person, IEC	
2.	Dr. G.D. Gupta	Social Scientist	
3.	Dr. Sanjeev Sood	Clinician	
4.	Ms. Smriti Bhala	Lay Person	
5.	Dr. Muskan Garg	Scientific Member	
6.	Dr. Daizy Sood	Clinician	
7.	Dr. Dipika Bansal	Basic Medical Scientist	
8.	Dr. Rajesh Kumar Puri	Clinician	
9.	Mr. Arun Kumar	Legal Expert	
10.	Dr. Amit Sharma	Member Secretary, IEC	

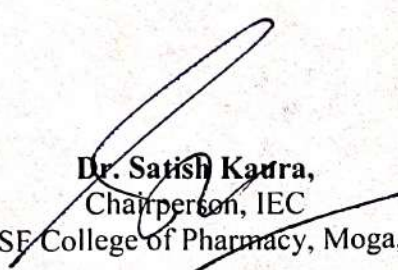
- The member secretary, IHEC welcomed all the members of committee and presented agenda of the meeting.
- The committee members perused the study protocol as well as the supplementary material provided for the conduct of the study.
- The proposed protocol were assessed for the objectives; criteria for inclusion and exclusion of the subject; exposure of participants to risk; procedures proposed to achieve informed consent; proposed mechanisms to ensure confidentiality; compensation to the study subjects; proposed analysis of data.


- d) The protocols submitted to committee for approval of the clinical studies were discussed by the principle investigator.
- e) A total of 20 protocols were accepted with modifications/Suggestions/as such (as attached in Annexure I).

Annexure I
IHEC Study Protocols and Communication of Decision of the Institutional Human Ethics Committee (IHEC)

S. No	Project Title	Principle Investigator	Decision of IHEC
1.	Assessment of maternal morbidity and mortality in the intensive care unit of tertiary care hospital Among patients with serious Pre-eclampsia, Eclampsia and HELLP syndrome	Abhishek Chhibber Prachi Sood	Recommended
2.	Evaluation of the psychological disorders presented in diabetic patients with reference to depression, Anxiety, And Stress Scale (DASS).	Amninder Kaur Kang Harinder Singh Manpreet Kaur	Recommended
3.	Evaluation of appropriateness of prescription using beers criteria in geriatric patients at private hospital	Avneet Kaur Brar, Arafat Fathe Gubara. Jashandeep Kaur Gill	Recommended
4.	Prospective observational study on prescribing pattern of antibiotics in ICU	Azad Abdullah Azom Rashmi Narang	Recommended
5.	Observational study on factors and beliefs associated with medication non-adherence amongst diabetic patients	Chahat Garg Raminder Kaur Vishavjot Singh Aulakh	Recommended
6.	Disease pattern and drug prescribing trends in Intensive Care Unit	Dikshita Sharma	Recommended
7.	Assessment and evaluation of prevalence in patient with post Covid-19 infection for new onset of diabetes; Nationwide prospective observational study	Imran Bashar Rohit Kalia	Recommended
8.	Nutritional assessment of children having age 0-6 years of working and non-working parents, and Impact of parents on their diet and development of Moga Punjab	Khushwinder Kaur Niraj Kumar Singh	Recommended
9.	Prospective observational study on de-escalation of antibiotic in ICU	Kiranjot Kaur	Recommended
10.	Nationwide web based survey on risk assessment of mental health status in community during Covid-19 pandemic.	Poonam Ramandeep Kaur	Recommended
11.	Prospective observational study on assessment of knowledge, attitude and practice of antibiotics usage and resistance in Malwa region of Punjab (India)	Radhika Singla Vineet Garg	Recommended
12.	Drug use evaluation of anticancer drugs with assessment of quality of life in cancer patients at tertiary care hospital in North India	Raman Kumar Tripathi	Recommended
13.	Efficacy comparison of Trimetazidine with Ranolazine in angina pectoris; a systematic study review and meta-analysis	Ritesh Dubey. ShivamTayal	Recommended
14.	Assessment of mortality and severity in diabetes mellitus and hypertension patients suffering from Covid-19: a meta-analysis	Sofia Thomas, Yamini Jamwal	Recommended
15.	Assessment of knowledge, attitude and post infection effects of Covid-19 an online community-based survey in North India	Sudhanshu Bansal. Abhishek Kumar Gangwar	Recommended
16.	Assessment and evaluation of risk factors associated with diabetes mellitus type-2 Among population of Punjab	Abdalrazig Mohamed IshagMatar, Ernest Mbakam	Recommended
17.	Drug utilization and evaluation of antibiotics in dengue fever in a tertiary care hospital	Hari om Kushwaha Jitender Shashank Gaur	Recommended

18.	Assessment of knowledge, aptitude of hand washing practices and habits of wearing of mask during covid-19 pandemic among general population of Punjab: a survey based study	Mukesh Kumar, Rahul Chaudhari	Recommended
19.	Association of hepatic enzyme with thrombocytopenia in NSI Positive Viral Infection at Tertiary Care Hospital	Parul Kalia	Recommended
20.	Phytochemical analysis of stevia and development of next generation sweetener without aftertaste	Sitanshu Sekhar Khilar	Recommended


Dr. Satish Khatra,
 Chairperson, IEC
 ISF College of Pharmacy, Moga,
 Punjab.


Dr. Amit Sharma
 Member Secretary, IEC
 ISF College of Pharmacy, Moga,
 Punjab

Dated: 31.03.2022

**AGENDA FOR IEC MEETING
ISF COLLEGE OF PHARMACY, PUNJAB**

The agenda for the meeting to be discussed by the members includes:

1. Introduction of the members for re-registration of institutional human ethical committee registered with Department of Health Research, New Delhi.
2. Protection of the dignity, rights safety and well being of the potential research participants, with particular care to protect all vulnerable subjects participating in the study.
3. Facilitation of the research protocols by reviewing, approving, modifying or disapproving submitted proposals by the researchers.
4. Ensuring that universal ethical values and international scientific standards are expressed in terms of local community values and customs.
5. To assist in the development and education of a research community responsive to local health care needs.

The above agenda will be open for ratification by honorable members.

MINUTES OF MEETING- 4th INSTITUTIONAL HUMAN ETHICS COMMITTEE(IHEC) on 31st March 2022

An institutional human ethical committee online meeting was conducted under the Chairpermanship of Dr. Satish Kaura, MBBS, MD for the approval 26 studies (enclosed with the document) by the Institutional Human Ethics Committee (IHEC), ISF College of Pharmacy, Moga, Punjab registered with Department of Health Research, New Delhi. The following members of IHEC was present in the meeting.

S. No.	Name	Designation	Signature
1.	Dr. Satish Kaura	Chair Person, IEC	
2.	Dr. G.D. Gupta	Social Scientist	
3.	Dr. Sanjeev Sood	Clinician	
4.	Ms. Smriti Bhala	Lay Person	
5.	Dr. Muskan Garg	Scientific Member	
6.	Dr. Daizy Sood	Clinician	
7.	Dr. Dipika Bansal	Basic Medical Scientist	ABSENT
8.	Dr. Rajesh Kumar Puri	Clinician	
9.	Mr. Arun Kumar	Legal Expert	
10.	Dr. Amit Sharma	Member Secretary, IEC	 31/03/2022


- The member secretary, IHEC welcomed all the members of committee and presented agenda of the meeting.
- The committee members perused the study protocol as well as the supplementary material provided for the conduct of the study.

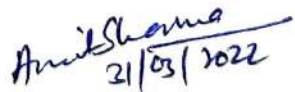
- T
1
- c) The proposed protocol were assessed for the objectives; criteria for inclusion and exclusion of the subject; exposure of participants to risk; procedures proposed to achieve informed consent; proposed mechanisms to ensure confidentiality; compensation to the study subjects; proposed analysis of data.
 - d) The protocols submitted to committee for approval of the clinical studies were discussed by the principle investigator.
 - e) A total of **26 protocols** were accepted with modifications/Suggestions/as such (as attached in Annexure I).
- 6
- 2

Annexure I
IHEC Study Protocols and Communication of Decision of the Institutional Human Ethics Committee (IHEC)

S. No	Project Title	Principle Investigator	Decision of IHEC
1.	Drug utilization evaluation study of antibiotics in a tertiary care hospital in Mohali, Punjab	Dr. Mandeep Kaur	Recommended
2.	Drug utilization review of cardiovascular diseases in outpatient department of tertiary care hospital	Dr. Rogin G Raj	Recommended
3.	De-escalation of rational antibiotic use in surgical prophylaxis	Dr. Amit Sharma	Recommended
4.	Prescription pattern monitoring of outpatients Of neurology department in a tertiary care Hospital: cross sectional observational study	Dr. Sourabh Kosey	Recommended
5.	Evaluation of prescribing pattern for in-patients using world health organization prescribing indicators at tertiary care hospital	Dr. Sourabh Kosey	Recommended
6.	Analysis of prescribing pattern of anti-cancer drugs and adjuvant therapy in department of oncology in a tertiary care hospital	Dr. Hem Raj	Recommended
7.	Evaluation of prescribing pattern of drugs used in chronic liver disease with co- morbid conditions and assessment of severity using meld score: prospective observational study	Dr. Mandeep Kaur	Recommended
8.	Impact of clinical pharmacist on antimicrobial stewardship intervention on compliance with surgical prophylaxis of significant surgeries in tertiary care hospital	Dr. Amit Sharma Dr. Rojin G. Raj	Recommended
9.	Prospective study of clinical profile and outcome of patient suffering from poisoning in tertiary care hospital	Dr. Tanpreet Kaur Dr. Amit Sharma	Recommended
10.	Prescribing pattern of drugs used in the treatment of gastrointestinal diseases in tertiary care hospital in punjab	Dr. Sourabh Kosey	Recommended
11.	Evaluation of thymosin alpha-1 efficacy in reducing mortality in non-vaccinated sars-cov-2 patients: a retrospective, cohort study	Dr. Amit Sharma Dr. Ronit Arvind	Recommended
12.	Evaluation of clinical practice for quality improvement process on high alert medication usage in critical care unit at tertiary care hospital	Dr. Hem Raj	Recommended
13.	Prescribing pattern of proton pump inhibitor in tertiary care hospital	Dr. Hem Raj	Recommended
14.	Assessment and evaluation of knowledge, attitudes, and practices among pharmacy graduates students regarding depression.	Dr. Hem Raj	Recommended
15.	Study on antibiotic prescription pattern and	Dr. Rojin G Raj	Recommended

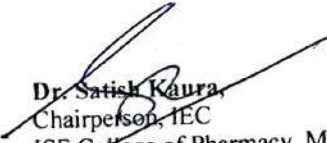
	compliance towards world health organization drug use indicators at tertiary care hospital.		
16.	Adverse drug reactions of anti-tuberculosis drugs and its management	Dr. Sourabh Kosey	Recommended
17.	Demography and drug utilization study of antimicrobials for in patients in a tertiary care hospital	Dr. Hem Raj	Recommended
18.	Study of drug utilization Evaluation of chronic hypertension associated myocardial infarction.	Dr. Rogin G Raj	Recommended
19.	Prescription analysis of Diabetes Mellitus Type II patients and assessment of their Adverse Drug Reactions in tertiary care hospital	Dr. Amit Sharma	Recommended
20.	Prescription pattern analysis of antipsychotic drugs and adverse drug reaction monitoring in tertiary care hospital	Dr. Amit Sharma	Recommended
21.	Prospective observational study on dengue infection in medicine ward at tertiary care hospital	Dr. Tanpreet Kaur	Recommended
22.	Evaluation and assessment of prescribing pattern in department of oncology at tertiary care hospital.	Dr. Amit Sharma	Recommended
23.	Assessment and evaluation of knowledge about anemia among pregnant women at tertiary care hospital	Dr. Amit Sharma	Recommended
24.	Development and Evaluation of Nutraceutical Beverage and its potential; HPTLC Fingerprinting, Phenolic content, and <i>in Vitro</i> Antioxidant Activity.	Dr. Alok Sharma	Recommended
25.	Assessment of Behavior changes and Analysis of Various Biomarkers in Parkinson's disease patients at tertiary care hospital.	Dr. Shamsher Singh	Recommended
26.	Assessment and evaluation of knowledge, attitude and practice among patients suffering from Type II diabetes mellitus	Dr. G.D. Gupta and Dr. Amit Sharma	Recommended

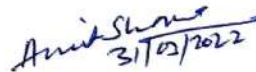

Dr. Satish Kaura,
 Chairperson, IEC
 ISF College of Pharmacy, Moga,
 Punjab.


Dr. Amit Sharma
 Member Secretary, IEC
 ISF College of Pharmacy, Moga,
 Punjab

IEC Titles for 2022 of Pharm D (Regular and PB) and PhD.

S NO	TITLES OF IEC	ROLE NUMBER STUDENTS NAMES	GUIDE AND CO GUIDE
1.	Drug utilization evaluation study of antibiotics in a tertiary care hospital in Mohali, Punjab	Akash Barjatia 170800001 Ankush Sharma 170800007	Dr. Mandeep Kaur
2.	Drug utilization review of cardiovascular diseases in outpatient department of tertiary care hospital	Aleena Elizabeth Mathew 170800002	Dr. Rogin G Raj
3.	De-escalation of rational antibiotic use in surgical prophylaxis	Aliya Khan 170800003 Anurag Singh Chauhan 170800008 Sunaina Sharma 170800026	Dr. Amit Sharma Dr. Sourabh Kosey Dr. Mandeep Kaur
4.	Prescription pattern monitoring of outpatients Of neurology department in a tertiary care Hospital: cross sectional observational study	Riya Ann Philip 170800022 Ancy P Ponnachen 170800005	Dr. Sourabh Kosey Dr. Mandeep Kaur
5.	Evaluation of prescribing pattern for in-patients using world health organization prescribing indicators at tertiary care hospital	Ankur Goyal 170800006 Prince Kumar Bhalla 170800021	Dr. Sourabh Kosey
6.	Analysis of prescribing pattern of anti-cancer drugs and adjuvant therapy in department of oncology in a tertiary care hospital	Deepak Kumar Sharma 170800009 Dibyngana Chakraborty 170800010	Dr. Hem Raj Dr. Tanpreet Kaur Badwal
7.	Evaluation of prescribing pattern of drugs used in chronic liver disease with co- morbid conditions and assessment of severity using meld score: prospective observational study	Gurpreet Singh Multani 170800012 Jasmeen Kaur 170800015	Dr. Mandeep Kaur
8.	Impact of clinical pharmacist on antimicrobial stewardship intervention on compliance with surgical prophylaxis of significant surgeries in tertiary care hospital	Henrita Boro 170800013 Shreya Jain 170800025	Dr. Amit Sharma Dr. Rojin G. Raj
9.	Prospective study of clinical profile and outcome of patient suffering from poisoning in tertiary care hospital	Jai Parkash 170800014 Mozahidul Islam 170800017	Dr. Tanpreet Kaur Dr. Amit Sharma
10.	Prescribing pattern of drugs used in the treatment of gastrointestinal diseases in tertiary care hospital in punjab	Manav Sharma 170800016	Dr. Sourabh Kosey
11.	Evaluation of thymosin alpha-1 efficacy in reducing mortality in non-vaccinated sars-cov-2 patients: a retrospective, cohort study	Mrinal Rohilla 170800018 Nishant Konar 170800019	Dr. Amit Sharma Dr. Ronit Arvind
12.	Evaluation of clinical practice for quality improvement process on high alert medication usage in critical care unit at tertiary care hospital	Ravi Kumar 170800029 Pratham Garg 170800020	Dr. Hem Raj
13.	Prescribing pattern of proton pump inhibitor in tertiary care hospital	Sandeep Singh Chauhan 170800024	Dr. Hem Raj


Dr. Satish Kaura,
 Chairperson, IEC
 ISF College of Pharmacy, Moga,
 Moga, Punjab.

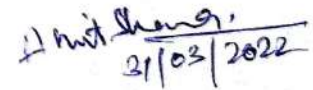

Dr. Amit Sharma
 Member Secretary, IEC
 ISF College of Pharmacy,
 Punjab

IEC Titles for 2022 of Pharm D (Regular and PB) and PhD.

14.	Assessment and evaluation of knowledge, attitudes, and practices among pharmacy graduates students regarding depression.	Ardhendu Maity 170800027 Atibur Rahaman 170800028	Dr. Hem Raj
15.	Study on antibiotic prescription pattern and compliance towards world health organization drug use indicators at tertiary care hospital.	Shivam Choudghal 170800030	Dr. Rojin G Raj
16.	Adverse drug reactions of anti-tuberculosis drugs and its management	Mohamed Merghani 160800018 Mohieldeen Daoud 2015686	Dr. Sourabh Kosey



Dr. Satish Kaura,
Chairperson, IEC
ISF College of Pharmacy, Moga,
Moga, Punjab.





21/03/2022

Dr. Amit Sharma
Member Secretary, IEC
ISF College of Pharmacy,
Punjab

IEC Titles for 2022 of Pharm D (Regular and PB) and PhD.

SERIAL NO	TITLES OF IEC of Pharm D PB	ROLE NUMBER STUDENTS NAMES	GUIDE AND CO GUIDE
17	Demography and drug utilization study of antimicrobials for in patients in a tertiary care hospital	Aamir Ashraf 2015679 Aadil Rasool Bhat 2015680	Dr. Hem Raj
18	Study of drug utilization Evaluation of chronic hypertension associated myocardial infarction.	Ashfak khan 2015681 Mandeep Kaur 2015684	Dr. Rogin G Raj
19	Prescription analysis of Diabetes Mellitus Type II patients and assessment of their Adverse Drug Reactions in tertiary care hospital	Deepak Singla 2015682	Dr. Amit Sharma
20	Prescription pattern analysis of antipsychotic drugs and adverse drug reaction monitoring in tertiary care hospital	Deepinder kaur 2015683	Dr. Amit Sharma
21	Prospective observational study on dengue infection in medicine ward at tertiary care hospital	Manpreet singh 2015685	Dr. Tanpreet Kaur
22	Evaluation and assessment of prescribing pattern in department of oncology at tertiary care hospital.	Riya Sharma 2015687	Dr. Amit Sharma
23	Assessment and evaluation of knowledge about anemia among pregnant women at tertiary care hospital	Vikas Yadav 2015688	Dr. Amit Sharma
Ph. D.			
24	Development and Evaluation of Nutraceutical Beverage and its potential; HPTLC Fingerprinting, Phenolic content, and <i>in Vitro</i> Antioxidant Activity.	Jasdeep Kaur,	Dr. Alok Sharma
25	Assessment of Behavior changes and Analysis of Various Biomarkers in Parkinson's disease patients at tertiary care hospital.	Rohit	Dr. Shamsher Singh
26	Assessment and evaluation of knowledge, attitude and practice among patients suffering from Type II diabetes mellitus	Sandeep Kaur	Dr. G.D. Gupta, Dr. Amit Sharma


Dr. Satish Kaura
 Chairperson, IEC
 ISF College of Pharmacy, Moga,
 Punjab.


Dr. Amit Sharma
 Member Secretary, IEC
 ISF College of Pharmacy, Moga,
 Punjab

Dated: 19/10/2023

AGENDA FOR 5th IEC MEETING ISF COLLEGE OF PHARMACY, PUNJAB

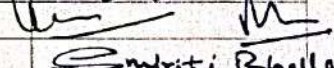
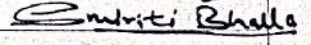
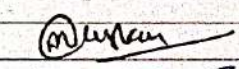
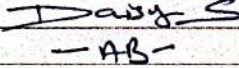
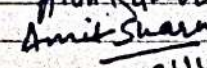
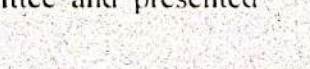
The agenda for the meeting to be discussed by the members includes:

1. Introduction of the members for re-registration of institutional human ethical committee registered with Department of Health Research, New Delhi.
2. Protection of the dignity, rights safety and well being of the potential research participants, with particular care to protect all vulnerable subjects participating in the study.
3. Facilitation of the research protocols by reviewing, approving, modifying or disapproving submitted proposals by the researchers.
4. Ensuring that universal ethical values and international scientific standards are expressed in terms of local community values and customs.
5. To assist in the development and education of a research community responsive to local health care needs.

The above agenda will be open for ratification by honorable members.

MINUTES OF MEETING - 5th INSTITUTIONAL HUMAN ETHICS COMMITTEE**(IHEC) on 19th Oct. 2023**

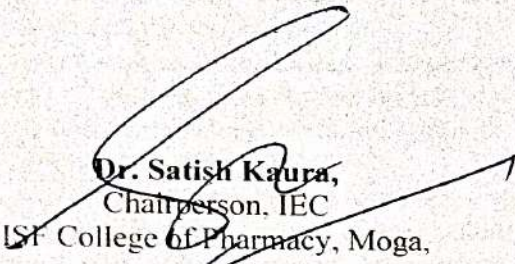
An institutional human ethical committee online meeting was conducted under the Chairmanship of Dr. Satish Kaura, MBBS, MD for the approval **24 studies (enclosed with the document)** by the Institutional Ethics Committee (IEC), ISF College of Pharmacy, Moga, Punjab registered with Department of Health Research, New Delhi and CDSCO. The following members of IEC was present in the meeting.

S. No.	Name	Designation	Signature
1.	Dr. Satish Kaura	Chair Person, IEC	
2.	Dr. G.D. Gupta	Social Scientist	
3.	Dr. Sanjeev Sood	Clinician	
4.	Ms. Smriti Bhala	Lay Person	
5.	Dr. Muskan Garg	Scientific Member	
6.	Dr. Daizy Sood	Clinician	
7.	Dr. Dipika Bansal	Basic Medical Scientist	- AB -
8.	Dr. Rajesh Kumar Puri	Clinician	
9.	Mr. Arun Kumar	Legal Expert	
10.	Dr. Amit Sharma	Member Secretary, IEC	

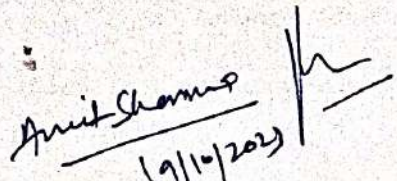
19/10/2023

- The Member Secretary, IEC welcomed all the members of committee and presented agenda of the meeting.
- The committee members perused the study protocol as well as the supplementary material provided for the conduct of the study.
- The proposed protocol was assessed for the objectives; criteria for inclusion and exclusion of the subject; exposure of participants to risk; procedures proposed to achieve informed consent; proposed mechanisms to ensure confidentiality; compensation to the study subjects; proposed analysis of data.

- d) The protocols submitted to committee for approval of the clinical studies were discussed by the principle investigator.
- e) A total of **24 protocols** were accepted with modifications/Suggestions/as such (as attached in Annexure I).



Dr. Satish Kaura,
Chairperson, IEC
ISF College of Pharmacy, Moga,
Punjab.

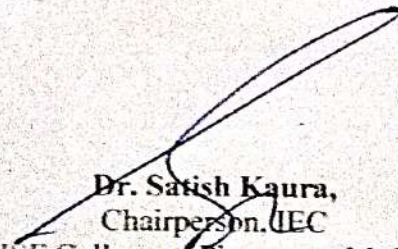


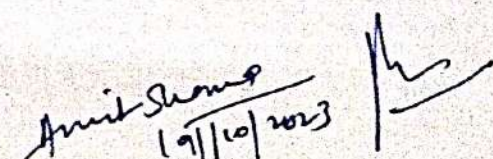
Dr. Amit Sharma
Member Secretary, IEC
ISF College of Pharmacy, Moga,
Punjab

Annexure I
IHEC Study Protocols and Communication of Decision of the Institutional Human Ethics Committee (IHEC)

S. No	Project Title	Principle Investigators	Decision of IHEC
1.	Assessment and evaluation of knowledge, attitude, and practices among pharmacy graduates students regarding depression	Mr. Abid Hussain	Recommended
2.	Assessing the level of understanding and opinions regarding the use of nutrient supplement during pregnancy	Mr. Ibrahim Isyaku Mr. Zaif Ahmed	Recommended
3.	De-escalation of rational antibiotic use in surgical prophylaxis	Ms. Afsana, Mr. Aman Kumar	Recommended
4.	Assessment and evaluation of Graduates students regarding depression	Ms. Aishverya	Recommended
5.	Assessment and evaluation of the impact of screen time on sleep cycles among healthcare students using sleep condition indicator in the northern region of India	Mr. Sonu Gupta	Recommended
6.	Drug use evaluation and adverse drug reaction monitoring in pregnant women along with screening of postnatal depression using Edinburgh postnatal depression scale (EPDS) at a tertiary care hospital	Mr. Tarun Sharma , Jessica Dhindsa	Recommended
7.	Risk estimation of opioid abuse using current Opioid Misuse measurement scale and drug use evaluation in oncology patients at tertiary care hospital	Mr. Ashwani kumar	Recommended
8.	Drug utilization evaluation of anti-microbial drugs in tertiary care hospital	Mr. Sofiur Rahman, Mr. Rohit Singh Deo, Mr. Shiv Dhananjay	Recommended
9.	Prevalence and impact of ADHD on pharmacy students	Ms. Shireen Jai Malviya	Recommended
10.	Evaluation of prescribing practice of thiazide diuretics with the different combinations for the treatment of hypertension at tertiary care hospital	Ms. Dhritisri Dutta, Ms. Sanjana Kumari, Mr. Abhishek Chaurasia	Recommended
11.	Alcohol addiction induced seizure in patients of epilepsy at tertiary care hospital	Mr. Anoop Kumar, Mr. Anal Mandal, Ms. Gurleen Kaur	Recommended
12.	Assessment of prescribing patterns of antihypertensive used in the treatment of hypertension in pregnancy with comorbidities in teaching hospital	Ms. Chavneet Kaur	Recommended
13.	Assessment and evaluation of knowledge and attitude among pharmacy students regarding depression	Ms. Ramsha Sharma, Ms. Shweta	Recommended
14.	Screening and analysis of mood disorder using the diagnostic and statistical manual of mental	Mr. Kavish Kumar, Ms. Agnes Sara Shibu	Recommended

	disorders fifth edition questionnaire among patients with endocrinological disorders		
15.	Assessment of depression and anxiety level in chronic dermatological patients	Mr. Noor Alam, Mr. Warsame and Abdelwahab Ahmad	Recommended
16.	Evaluation of prescribing pattern of drugs used in treatment of alcoholic liver disease in tertiary care hospital	Ms. Pakhee Grewal	Recommended
17.	Assessment and evaluation of quality of life in women suffering from polycystic ovary syndrome at tertiary care hospital.	Ms. Khushi Bajaj	Recommended
18.	Evaluation of prescribing pattern of drugs used in treatment of urinary tract infection in females.	Ms. Navneet Kaur	Recommended
19.	Characteristics of eye movements and their effects on visual perception in autism spectrum disorder, pre and post vision therapy	Mr. Guganathan	Recommended
20.	Visual Efficiency, Visual Perception, Visuo-Motor Integration and Quality of Life Pre & Post Vision Therapy in Children with Autism Spectrum Disorder	Mr. Rabindra Kumar Pandey	Recommended
21.	Evaluation of long-term utilization of proton pump inhibitors (PPI's) in Electrolytes and vitamin B ₁₂ levels at tertiary care teaching hospital: A Prospective Observational Study.	Ms. Shikha	Recommended
22.	Epidemiological analysis of various neurological disorders and their drugs prescription pattern in a tertiary care hospital	Ms. Kanchan Bala	Recommended
23.	Study on prescribing pattern ,management and cost analysis of anti-arthritic drugs in a tertiary care hospital	Mr. Suraj Kumar Rajak & Mr. Abhay Kumar Patel	Recommended
24.	Assessment of depression and cognitive dysfunction in diabetic patients: an observational study	Mr. Ujjawal Singh, Ms. Sanjana	Recommended


Dr. Satish Kaura,
 Chairperson, IEC
 ISF College of Pharmacy, Moga,
 Punjab.


Dr. Amit Sharma
 Member Secretary, IEC
 ISF College of Pharmacy, Moga,
 Punjab

Dated: 24/02/2023

AGENDA FOR IEC MEETING ISF COLLEGE OF PHARMACY, PUNJAB

The agenda for the meeting to be discussed by the members includes:

1. Introduction of the members for re-registration of institutional human ethical committee registered with Department of Health Research, New Delhi.
2. Protection of the dignity, rights safety and well being of the potential research participants, with particular care to protect all vulnerable subjects participating in the study.
3. Facilitation of the research protocols by reviewing, approving, modifying or disapproving submitted proposals by the researchers.
4. Ensuring that universal ethical values and international scientific standards are expressed in terms of local community values and customs.
5. To assist in the development and education of a research community responsive to local health care needs.

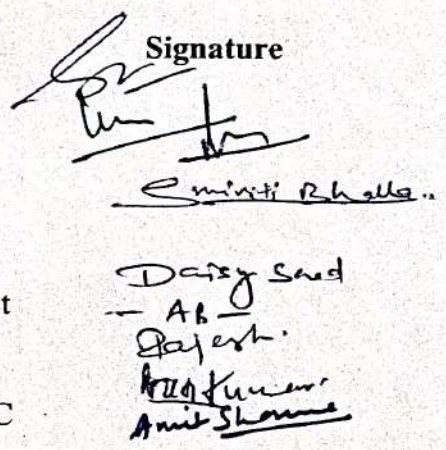
The above agenda will be open for ratification by honorable members.

MINUTES OF MEETING- 4th INSTITUTIONAL HUMAN ETHICS COMMITTEE(IHEC) on 24th Feb. 2023

An institutional human ethical committee online meeting was conducted under the Chairmanship of Dr. Satish Kaura, MBBS, MD for the approval 25 studies (enclosed with the document) by the Institutional Human Ethics Committee (IHEC), ISF College of Pharmacy, Moga, Punjab registered with Department of Health Research, New Delhi. The following members of IHEC was present in the meeting.

S. No.	Name	Designation
1.	Dr. Satish Kaura	Chair Person, IEC
2.	Dr. G.D. Gupta	Social Scientist
3.	Dr. Sanjeev Sood	Clinician
4.	Ms. Smriti Bhala	Lay Person
5.	Dr. Muskan Garg	Scientific Member
6.	Dr. Daizy Sood	Clinician
7.	Dr. Dipika Bansal	Basic Medical Scientist
8.	Dr. Rajesh Kumar Puri	Clinician
9.	Mr. Arun Kumar	Legal Expert
10.	Dr. Amit Sharma	Member Secretary, IEC

Signature



Smriti Bhalla..

Daizy Sood

AB

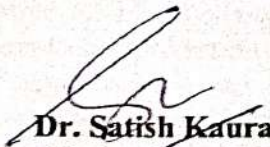
Rajesh

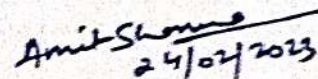
Arun Kumar

Amit Sharma

- The member secretary, IHEC welcomed all the members of committee and presented agenda of the meeting.
- The committee members perused the study protocol as well as the supplementary material provided for the conduct of the study.
- The proposed protocol was assessed for the objectives; criteria for inclusion and exclusion of the subject; exposure of participants to risk; procedures proposed to achieve informed consent; proposed mechanisms to ensure confidentiality; compensation to the study subjects; proposed analysis of data.

- d) The protocols submitted to committee for approval of the clinical studies were discussed by the principle investigator.
- e) A total of 25 protocols were accepted with modifications/Suggestions/as such (as attached in Annexure I).

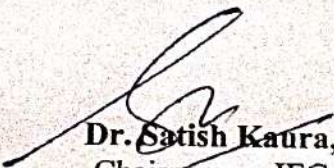

Dr. Satish Kaura,
Chairperson, IEC
ISF College of Pharmacy, Moga,
Punjab.

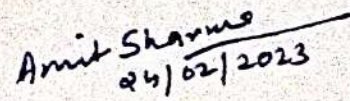

Dr. Amit Sharma
Member Secretary, IEC
ISF College of Pharmacy, Moga,
Punjab

Annexure I
IHEC Study Protocols and Communication of Decision of the Institutional Human Ethics Committee (IHEC)

S. No	Project Title	Principle Investigator	Decision of IHEC
1.	Estimation of futuristic ten-year risk assessment of cardiovascular disease using framingham risk score and cholesterol risk calculator in Indian population	Abrar Ahmad Zargar	Recommended
2.	Drug utilization evaluation and cost-effectiveness analysis of the drugs used in the oncology department.	Arvind Kumar	Recommended
3.	Assessment and evaluation of quality of life in epileptic patients at tertiary care hospital	Hardik Kumar	Recommended
4.	Validation and prediction of 10-years cardiovascular outcomes using different risk scores in Indian population	Ian Osoro	Recommended
5.	Assessment and evaluation of test anxiety and its associated factors among pharmacy students using Westside test anxiety scale: Prospective cross-sectional study	Manisha Vohra	Recommended
6.	Pharmacoeconomic evaluation of diabetes mellitus patients with coexisting atherosclerosis: Cross-sectional study	Mohammad Amir	Recommended
7.	Assessment of drug related problems and clinical pharmacist intervention in the emergency department of Tertiary Care Hospital	Ruby Gangwar	Recommended
8.	Assessment and validation of end-stage renal disease using kidney failure risk equation and kidney failure risk calculator in patients with chronic kidney disease	Shalom S Abraham, Shivani	Recommended
9.	Assessment of Prescribing pattern and rational use of Antimicrobial drugs in pediatric ward at tertiary care hospital: Observational Study	Rahul Kumar, Rajendra Kumar	Recommended
10.	Prospective cross sectional survey to calculate the risk association between obesity and lifestyle related diseases in north Indian medical students	Kusum Passi, Navneet	Recommended
11.	Assessment and Monitoring of Adverse Drug Reaction in a Tertiary Care Hospital	Manvi Sharma , Prince P George	Recommended
12.	Comparative study for efficacy and safety of oral and intravenous iron supplementation for the treatment of Iron deficiency anemia in pregnancy.	Dipasha, Nikhil Kalia	Recommended
13.	Drug Utilization Review on Polycystic Ovarian Syndrome in Tertiary Care Hospital	Ratima Sood, Shreya Gupta	Recommended
14.	Assessment of Prescribing patterns of Anti-	Josmy Maria Job, Axa	Recommended

	Cancer Drugs in Cervical Cancer of a tertiary care hospital	Ann Jacob	
15.	Drug utilization evaluation on coronary artery disease at tertiary care hospital	Riya Sharma, Aman Thakur	Recommended
16.	Drug Utilization evaluation of drugs used in neurology department in tertiary care hospital	Ashish Kumar Dogra, Divyanshu Rajput, Sagar Ravishankar Rai	Recommended
17.	Assessment of knowledge and attitude about nutrient supplementation during pregnancy.	Gourav Singh Negi, Sarbat Dhillon, Raju Paswan	Recommended
18.	Evaluation of Adriamycin and Cyclophosphamide induced neutropenia in breast cancer patients.	Gagandeep Kaur, Taranjit Singh	Recommended
19.	Assessment of vaccination schedule in children and associated factors for vaccine hesitancy in Punjab	Shruti Gambhir, Manik Khanna	Recommended
20.	Assessment and evaluation of quality of life in breast cancer patient receiving neo-adjuvant chemotherapy	Mayank	Recommended
21.	Assessment and prevalence of depression in patients with diabetes mellitus at tertiary care hospital	Anisha	Recommended
22.	Drug Utilization evaluation in alcoholic liver cirrhosis patients at tertiary care hospital	Amira Khan, Parul Kumar	Recommended
23.	Prescription pattern analysis of patients with diabetes mellitus and associated comorbidities in a tertiary care hospital	Abdul Quaiyoom, Alok Kumar Aditya	Recommended
24.	Assessment of quality of life in cancer patients at tertiary care hospital in North India	Bintoo , Harsh Tyagi	Recommended
25.	Prediction of survival of alcoholic hepatitis patients using ABIC score in tertiary care hospital	Mayank Baranwal, Naman Dhanda	Recommended


Dr. Satish Kaura,
 Chairperson, IEC
 ISF College of Pharmacy, Moga,
 Punjab.


Dr. Amit Sharma
 Member Secretary, IEC
 ISF College of Pharmacy, Moga,
 Punjab



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA

Approve by AICTE, PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



RESEARCH ADVISORY COUNCIL (RAC)

Constitution Committee

Name	Designation	Position
Prof. Y. K. Gupta	Former Professor and Head, Department of Pharmacology, AIIMS, New Delhi President (GB), AIIMS, Bhopal and AIIMS, Bhopal	Chairman & Advisor
Prof. (Dr.) G. D. Gupta	Director-cum-Principal	Member Secretary
Prof. (Dr.) R. K. Narang	Vice- Principal	Coordinator
Respective Head of the Department	Pharmaceutics, Quality Assurance, Regulatory Affairs and Industrial Pharmacy	Member
	Pharmacology	Member
	Pharmaceutical Chemistry, P' Analysis	Member
	Pharmacy Practice	Member
➤ Subject Experts &	Subject Experts (At-least one, Nominated by Director of Institute)	Member
➤ Guide, Co-Guide &	One external expert if required shall be co-opted on recommendation of Dean (R&D) by Vice-Chancellor	Member
➤ Candidate		
	Guide/Supervisor	Member
	Co-guide/Co-supervisor (If any)	Member
	Candidate	Member

Date of constitution : 15-07-2018

Date of 1st Revision : 01-01-2021

Date of 2nd Revision : 01-07-2022

Date of 3rd Revision : 10-12-2022

Web-Link: <http://isfcp.org/i/committees/>



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA

Approve by AICTE, PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



Responsibilities:

- ✓ To review the research proposal and finalize the topic of research
- ✓ To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he / she may have to do.
- ✓ To periodically review and assist in the progress of the research work of the research scholar.
- ✓ A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his / her work for evaluation and further guidance.
- ✓ The six monthly progress reports shall be submitted by the Research Advisory Committee.
 - (In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures).
 - If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the University with specific reasons for cancellation of the registration of the research scholar

Duration of committee : Three years

Meetings Schedule : At least 2 meetings in a year. If any emergency, meeting will be called by the Director of the Institute

Record Maintained by : Coordinator/Secretary of the Committee

Prof. (Dr.) G. D. Gupta

Director-cum-Principal

Director/Principal
ISF College of Pharmacy, Moga
(An Autonomous College)



ISF COLLEGE OF PHARMACY

NIRF- 2018: Ranked 17th (Accredited by NAAC Grade "A")

Approved by AICTE, PCI & Govt. of Punjab & Recognized by UGC under section (2f)
Affiliated to IK Gujral Punjab Technical University, Jalandhar & PSBTE&IT, Chandigarh

Ref. No.: ISFCP/AU/19/110

Date: 6/7/19

Dear Sir/Madam,

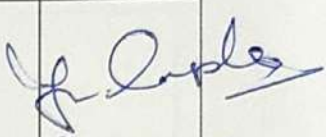
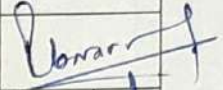
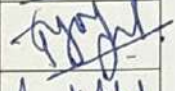
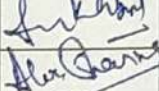
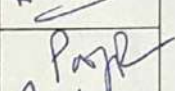
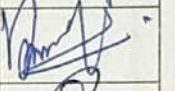
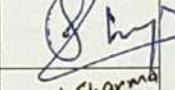
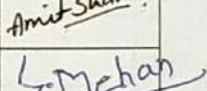
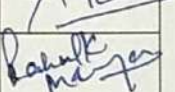
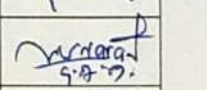
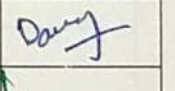
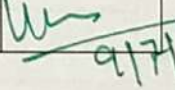


We are please to inform you that Research Advisory Council Meeting is scheduled on 09/07/2019 (Tuesday) at 11:30 p.m. under the Chairmanship of Prof. Y.K. Gupta. All the concerned are required to make it convenient to attend the same.

Agenda items:

- 1.1 Autonomous status of college
- 1.2 Approval of Supervisor/Guide for Ph.D.
- 1.3 Eligibility of students registered for Ph.D.
- 1.4 Fee Structure of Ph.D.
- 1.5 Scholarship for Ph.D. registered students.
- 1.6 Approval of Academic Calendar of Postgraduate programs.
- 1.7 Status of Publications
- 1.8 Advertisement for registration of students
- 1.9 Any other matter with the permission of Chair.

Prof. (Dr.) G.D.Gupta
Director-cum-Principal
Coordinator of RAC

Following Members were present in the meeting of Research Advisory Council of ISF College of Pharmacy was held on 09/07/2019 at 11:30 a.m. in the Conference Room.

S.No.	Name	Designation/Category	Nature	Signature
1	Dr. Y.K. Gupta	Former Head, Deptt. of Pharmacology, AIIMS, New Delhi, President (GB) AIIMS, Bhopal	Chairman (RAC)	
2	Dr. R.K. Narang	Vice-Principal	Executive Member	
3	Dr. Gaurav Goyal	Professor	Executive Member	
4	Dr. Sukhbir Kaur	Professor	Executive Member	
5	Dr. Alok Sharma	Professor	Executive Member	
6	Dr. Pooja Chawla	Professor	Executive Member	
7	Dr. Vikram Deep Monga	Professor	Executive Member	
8	Dr. Shamsher Singh	Associate Professor	Executive Member	
9	Mr. Amit Sharma	Associate Professor	Executive Member	
10	Dr. Sidharth Mehan	Associate Professor	Executive Member	
11	Dr. Rahul Maurya	Associate Professor	Executive Member	
12	Dr. Charan Singh	Associate Professor	Executive Member	
13	Ms. Daisy Arora	Associate Professor	Executive Member	
14	Dr. G.D. Gupta	Director-cum-Principal	Coordinator	 9/7/19


Minutes of the meeting of Research Advisory Council of ISF College of Pharmacy (An Autonomous College) was held on 09/07/2019 at 4.00 pm. in the Conference Room.
Following members were present in the meeting:

S.No.	Name	Designation/Category	Nature
1	Dr. Y.K. Gupta	Former Head, Deptt. of Pharmacology, AIIMS, New Delhi , President (GB) AIIMS, Bhopal	Chairman (RAC)
2	Dr. R.K. Narang	Vice-Principal	Executive Member
3	Dr. Gaurav Goyal	Professor	Executive Member
4	Dr. Sukhbir Kaur	Professor	Executive Member
5	Dr. Alok Sharma	Professor	Executive Member
6	Dr. Pooja Chawla	Professor	Executive Member
7	Dr. Vikram Deep Monga	Professor	Executive Member
8	Dr. Shamsher Singh	Associate Professor	Executive Member
9	Mr. Amit Sharma	Associate Professor	Executive Member
10	Dr. Sidharth Mehan	Associate Professor	Executive Member
11	Dr. Rahul Mourya	Associate Professor	Executive Member
12	Dr. Charan Singh	Associate Professor	Executive Member
13	Ms. Daisy Arora	Associate Professor	Executive Member
14	Dr. G.D. Gupta	Director-cum-Principal	Member Secretary

Following decisions were taken unanimously.

Agenda:

Item No	Agenda	Decision
1.1	Autonomous status of college	Dr. G.D. Gupta, Director & Coordinator of RAC welcomed all member of Research Advisory Council. He informed the house about ISFCP getting the autonomous status for the period of ten year from 2019 to 2029 by the UGC. This is prestigious for college. Chairman & Members congratulated the management, faculty and staff.
1.2	Constitution of	In accordance with the University policy, the college has

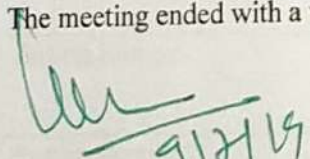

9/7/19

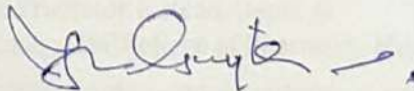
	committees	<p>decided to constitute the following committees</p> <p>A. ISFCP-RAC [ISF College of Pharmacy-Research Advisory Council] Composition : Chairman : Dr. Y. K. Gupta Member Secretary : Dr. G. D. Gupta (Director-cum-Principal) All HODS Four Faculty Members nominated by Chairmen/Director Function : To provide the policy direction related to all aspects of Research, Publication, Patents, Projects, Ethics, etc.</p> <p>B. College Research Board (CRB) Composition : Chairman : Dr. G. D. Gupta (Director-cum-Principal) Member Secretary : Dr. Gaurav Goyal Members : All HODS Experts : 02 nominated by Chairman (CRB) Function : Monitoring all aspects of Ph.D. Program</p> <p>C. Research Advisory Committee (RAC) Composition: Chairman : Head of the Department of respective branch Coordinator : Guide Members : Co-guide(s) Experts : 01 Nominated by Guide 01 Nominated by Principal Committee to be proposed by Chairman and approved by Director/Principal. Function : For each Ph.D. students there will be a RAC will meet once in six months. Provides general guidance monitor the progress and give for submission of thesis.</p> <p>House approved all the above committees</p>
1.2	Approval of Supervisor & Co-supervisor for Ph.D.	ISFCP will follow the Ph.D. regulations of IKGPTU. Detail Annexure -I
1.3	Eligibility of students registered for Ph.D.	ISFCP will follow the regulations of IKGPTU for registration of students. Detail Annexure -II
1.4	Fee Structure of Ph.D.	To be decided by Management, Director and Vice Principal
1.5	Scholarship for Ph.D.	To promote quality research meritorious scholars to

[Handwritten Signature]
9/11/19

	registered students.	provide scholarship. Amount and duration will be decided by Management, Director and Vice Principal
1.6	Approval of Academic Calendar of Postgraduate programs.	To considered and approved
1.7	Publication Policy	For research papers coming out from any thesis work – Authorship First Author : Candidate Corresponding author : Guide Co-authors : Any person who has contribute in conduct of research Publication Process : All publications and projects reports must be sent to editors, funding agencies through the office of Vice-Principal. VP office will provide a unique number and keep one soft copy for record. The corresponding author will keep informed the decision on the paper/projects (acceptance/rejection, comments etc..) this is mandatory. All papers/manuscript/projects must undergo plagiarism check. The corresponding author will provide undertaking to this effect and attach a copy of plagiarism check report while submitting at VP office. Raw data must be preserve for ten years.
1.8	Advertisement for registration of students	To attract the best students for Ph.D. Advertisement will be placed as given below – a. Website b. Various online agencies c. news paper as considered appropriate
1.9	Any other matter with the permission of Chair.	No any other agenda proposed

The meeting ended with a vote of thanks.


9/2/19
Prof. (Dr.) G.D. Gupta
Director-cum-Principal
Member Secretary (RACI)


Prof. (Dr.) Y. K. Gupta
President (GB), AIIMS, Bhopal
Chairman (RAC)

ISF COLLEGE OF PHARMACY, MOGA

RESEARCH ADVISORY COUNCIL (RAC)

Name	Designation	Position
Prof. Y. K. Gupta	Chairman	Professor and Head, Department of Pharmacology, AIIMS, New Delhi
Prof. S.P. Vyas	Co-Chairman	Professor, Department of Pharmaceutical Sciences, Dr. H S Gour University, Sagar (MP).
Dr. G. N. Singh	Co-Chairman	Secretary-cum-Scientific Director Indian Pharmacopoeia Commission, Ghaziabad
Prof. G. D. Gupta	Coordinator	Director-cum-Principal
OUTSIDE EXPERTS		
Dr. V. K. Kapoor	Executive Member	Ex-Professor and Dean, UIPS, Punjab University, Chandigarh
Dr. S.S Sharma	Executive Member	Professor, Department of Pharmacology, NIPER, Mohali
Dr. Subhit Jain	Executive Member	Guru Nanak Dev University, Amritsar
Dr. Ravinder Chawla	Executive Member	Director, AccuSript 4 th floor, Lodhi Complex, Mall Road, Ludhiana
Mr. Ajay Francis Christopher	Executive Member	Operations Manager (Pharmacovigilance) 505 SCO 15, Firoze Gandhi Market, Ludhiana
INSTITUTE EXPERTS		
Dr. R. K. Narang	Executive Member	Vice-Principal, ISF College of Pharmacy, Moga
Dr. Goutam Rath	Executive Member	Professor, ISF College of Pharmacy, Moga
Dr. Neeraj Mishra	Executive Member	Professor, ISF College of Pharmacy, Moga
Dr. Anoop Kumar	Executive Member	Associate Professor & Head, Deptt. of Pharmacology, ISF College of Pharmacy, Moga
Dr. Punniyakoti V.T.	Executive Member	Professor, ISF College of Pharmacy, Moga
Dr. Vikramdeep Moga	Executive Member	Professor, ISF College of Pharmacy, Moga
Dr. Rahul Kumar Maurya	Executive Member	Associate Professor & Head, Deptt. of Quality Assurance ISF College of Pharmacy, Moga



rediffmail

Mailbox of drgdg

Subject: Re: Invitation

From: Vijay Kumar Kapoor <vkkuiips@yahoo.com> on Sun, 10 Jun 2018 09:29:48

To: Ghanshyam Das Gupta <drgdg@rediffmail.com>

Dear Dr Gupta,

Thank you very much for your kind invitation for being an executive member of the Research Advisory Committee which is chaired by stalwart like Professor Y K Gupta. It will be both an honour and pleasure to be on that committee. I give my acceptance for the same.
With kind regards,

V K Kapoor

On Saturday, 9 June, 2018, 2:18:14 PM IST, Ghanshyam Das Gupta <drgdg@rediffmail.com> wrote:

To,

Dr. V. K. Kapoor

Dear Sir,

ISF College of Pharmacy, Moga was established in 1984 as a unique centre of excellence at all levels of Pharmaceutical Education and Research. We have excellent infrastructure facilities in various specializations including Pharmaceutics, Pharmacology, Quality Assurance, Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmacy Practice and Pharmacognosy. The institute strives to excel in Academia and Research through value-based education with a global focus.

Recently, our Institute achieved 17th rank in Pharmacy category and 6th rank in Research and Professional Practice in India by NIRF-2018, MHRD, and Govt. of India. The Institute is also recognized among top "3 Best Pharmacy Institute" in India by AICTE-CII, New Delhi and Best Pharmacy Institute in Punjab by CMAI in collaboration with IKG-PTU and AICTE.

Sir, It is our pleasure to share with you that ISF College of Pharmacy is in process of constituting a Research Advisory Council (RAC) with objective to have advisory role for strengthening outcome based research, fetching research grants from Government and Industry, publishing research work in high impact journals and filing patents. **Prof. (Dr.) Y.K. Gupta** has given his kind consent for Chairmanship of Research Advisory Council (RAC) of Institute. It is our kind request to you for accepting **Executive Member** of this committee. We hope that our association and your vast research and professional experience will certainly give new direction to research activities being conducted at ISFCP. For multifaceted professional growth of students and in the benefit of society, we request you to give your kind consent for advisory role as **Executive Member** of this committee.

With Profound Regards

Prof. (Dr.) G. D. GUPTA
Director-cum- Principal
ISF COLLEGE OF PHARMACY
GT Road, Ghal Kalan, MOGA-142 001(Punjab) INDIA
Mobile: +91 8146562883
Phone: No. 01636-650150, 650151
Website: - www.isfcp.org

Institute Achievement

rediffmail

Mailbox of drgdg

Subject: Re: Invitation, ISF College of Pharmacy, Moga

From: Prof. Shyam S. Sharma, NIPER Mohali <sssharma@niper.ac.in> on Fri, 22 Jun 2018 13:14:02

To: "Ghanshyam Das Gupta" <drgdg@rediffmail.com>

Dear Prof. Gupta

I would like to thank for your invitation as a member of your institute RAC. I accept your invitation.

Thanking you

Sincerely

Prof. Shyam S. Sharma
Department of Pharmacology and Toxicology
National Institute of Pharmaceutical Education and Research (NIPER)
Sector 67, SAS Nagar, Mohali, Punjab 160062, INDIA
shyamsharma14@yahoo.com
Phone: 0172-2292040

On 09-06-2018 14:15:28, Ghanshyam Das Gupta <drgdg@rediffmail.com> wrote:

To,
Dr. Shyam S. Sharma
Professor
Department of Pharmacology and Toxicology
National Institute of Pharmaceutical Education and Research (NIPER)
Mohali – 160062, Punjab, INDIA

Dear Sir,

ISF College of Pharmacy, Moga was established in 1984 as a unique centre of excellence at all levels of Pharmaceutical Education and Research. We have excellent infrastructure facilities in various specializations including Pharmaceutics, Pharmacology, Quality Assurance, Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmacy Practice and Pharmacognosy. The institute strives to excel in Academia and Research through value-based education with a global focus.

Recently, our Institute achieved 17th rank in Pharmacy category and 6th rank in Research and Professional Practice in India by NIRF-2018, MHRD, and Govt. of India. The Institute is also recognized among top "3 Best Pharmacy Institute" in India by AICTE-CII, New Delhi and Best Pharmacy Institute in Punjab by CMAI in collaboration with IKG-PTU and AICTE.

Sir, It is our pleasure to share with you that ISF College of Pharmacy is in process of constituting a Research Advisory Council (RAC) with objective to have advisory role for strengthening outcome based research, fetching research grants from Government and Industry, publishing research work in high impact journals and filing patents.

Prof. (Dr.) Y.K. Gupta has given his kind consent for Chairmanship of Research Advisory Council (RAC) of Institute. It is our kind request to you for accepting **Executive Member** of this committee. We hope that our association and your vast research and professional experience will certainly give new direction to research activities being conducted at ISFCP. For multifaceted professional growth of students and in the benefit of society, we request you to give your kind consent for advisory role as **Executive Member** of this committee.

With Profound Regards

rediffmail

Mailbox of drgdg

Subject: Consent Prof. Jain Invitation

From: subheet kumar jain <subheetjain@rediffmail.com> on Mon, 11 Jun 2018 11:57:42

To: <drgdg@rediffmail.com>

Cc: <subheetjain.pharma@gndu.ac.in>

Dear Prof. Gupta

I am thankfully acknowledge your mail and giving my consent to be executive member of research Advisory Council (RAC) of your esteemed institute.

Thanks for the invitation and considering my candidature for the same.

Regards

Dr. Subheet Kumar Jain
Professor and Former Head, Department of Pharmaceutical Sciences
Director, Directorate of Open and Distance Learning
Grievance and Redressal officer
Guru Nanak Dev University, Amritsar
Email. odlgndu@gmail.com
subheetjain@rediffmail.com; subheetjain@gmail.com

.....
On Sat, 09 Jun 2018 14:16:45 +0530 "Ghanshyam Das Gupta" <drgdg@rediffmail.com> wrote

>To,

>Dr. Subhit Jain

>Professor

>Department of Pharmaceutical Sciences

>Guru Nanak Dev University, Amritsar

>

>Dear Sir,

>

>ISF College of Pharmacy, Moga was established in 1984 as a unique centre of excellence at all levels of Pharmaceutical Education and Research. We have excellent infrastructure facilities in various specializations including Pharmaceutics, Pharmacology, Quality Assurance, Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmacy Practice and Pharmacognosy. The institute strives to excel in Academia and Research through value-based education with a global focus.

>

>Recently, our Institute achieved 17th rank in Pharmacy category and 6th rank in Research and Professional Practice in India by NIRF-2018, MHRD, and Govt. of India. The Institute is also recognized among top "3 Best Pharmacy Institute" in India by AICTE-CII, New Delhi and Best Pharmacy Institute in Punjab by CMAI in collaboration with IKG-PTU and AICTE.

>

>Sir, It is our pleasure to share with you that ISF College of Pharmacy is in process of constituting a Research Advisory Council (RAC) with objective to have advisory role for strengthening outcome based research, fetching research grants from Government and Industry, publishing research work in high impact journals and filing patents.

>Prof. (Dr.) Y.K. Gupta has given his kind consent for Chairmanship of Research Advisory Council (RAC) of Institute. It is our kind request to you for accepting Executive Member of this committee. We hope that our association and your vast research and professional experience will certainly give new direction to research activities being conducted at ISFCP. For multifaceted professional growth of students and in the benefit of society, we request you to give your kind consent for advisory role as Executive Member of this committee.

>

>With Profound Regards

>

>

>

>Prof. (Dr.) G. D. GUPTA

>Director-cum- Principal

>ISF COLLEGE OF PHARMACY

>GT Road, Ghal Kalan, MOGA-142 001(Punjab) INDIA



I.S.F. COLLEGE OF PHARMACY, MOGA.

(An Autonomous College)

ISFCP/2020/285

Dated: 28-09-2020

OFFICE ORDER

Revised Research Advisory Committee (RAC) is constituted for strengthen of Science, technology and Research activities in various disciplines. Responsibilities, aim and objective of this board is the same as already described.

S.No.	Name	Designation	Nature	Signature
1.	Dr. G.D. Gupta	Director-cum-Principal	Chairman	
2.	Dr. R.K. Narang	Vice-Principal	Management Nominee	
3.	Dr. S.S. Pancholi	Professor & HOD	Coordinator	
4.	Dr. Alok Sharma	Professor & HOD	Member	leave
5.	Dr. Vikram Deep Monga	Professor & HOD	Member	
6.	Dr. Pooja Chawla	Professor & HOD	Member	
7.	Dr. Sukhbir Kaur	Professor & HOD	Member	
8.	Dr. Shamsher Singh	Associate Professor & HOD(I)	Member	
9.	Mr. Amit Sharma	Associate Professor & HOD	Member	
10.	Dr. Charan Singh	Associate Professor	Member	
11.	Dr. Sidharth Mehan	Associate Professor	Member	
12.	Dr. Daisy Arora	Associate Professor	Member	
13.	Dr. Vineet K Rai	Associate Professor	Member	
14.	Mr. Sudhir Kumar	Assistant Professor	Member	

Prof. (Dr.) G.D. Gupta
Director-cum-Principal

Copy to:

1. Chairman Sir - for info by email
2. Secretary Sir - for info by email
3. Vice-Principal- for info. by email
4. Circulate to concern members

RAB MEETING DT 28-9-29 at 4.00 pm

The meeting was initiated with a welcome address by Chairman, who stated that Research Advisory Board is constituted with an objective of discussing and deciding on matters related to quality of research and academic matters having impact on the same.

Agenda item no.1: New Member induction

The appointment of Dr. S. S. Pancholi, Dr. Amit Sharma and Dr. Daisy Arora were proposed to be inducted as members in the board.

It was resolved to induce as above and Dr. S. S Pancholi was assigned the responsibility of Coordinator.

Agenda item no.2: M. Pharm. Research Project Proposal

The synopsis format was proposed with a standard title page format and further to include proposal in headings: Introduction, Literature survey, Rationale, Aim and objectives, Materials and methods, Evaluation parameters, Plan of work, Requirements – Chemicals, Glassware, Equipment, budget, References. (approx. 15-20 pages hard copy.

The format of synopsis was approved.

Agenda item no.3&4: Continuous Evaluation Process& Journal club

It was proposed that a scholar file be maintained by the supervisor that will include all details from submission of proposal, daily attendance, work performance and interaction with supervisor, journal club, presentation, publication. A break-up of marks to be awarded for each was discussed in detail to constitute the component of CEP.

In journal club the PG scholars shall be expected to present a review of research relevant to his project in 3rd semester and a published research work in 4th semester of M. Pharm.

After inclusion of suggestion from all members the distribution of marks for each component of CEP was decided as shown in annexure I.

Agenda item no.5: Work- place allotment to researchers

There should be dedicated bench space to work and keep materials for all researchers PG/PhD with a locking facility. They should be expected to work in dedicated labs except when they are required to use specialized equipment at designated location under the supervision of in-charge or guide.

All agreed and it was decided to offer some add-on certificate program for instrument training.

Agenda item no.6: Online lectures submission & evaluation

During this online teaching era it was proposed that the power point presentation of all subjects should be screened for quality and content at department level before submission to IQAC for uploading.

It was decided to form screening committees at department level and submit first 10 lectures by 3 Oct 2010.

Agenda item no.7: Departmental monthly meeting

Proposed that the afternoons of each Saturday shall be reserved for organizing departmental meetings. HOD shall present the contribution and achievements, they should encourage applications for research grants, publications.

1st Saturday Pharmaceutics & QA

2nd Saturday Pharmacology

3rd Saturday Pharma. Chemistry & Analysis

4th Saturday Pharmacognosy, Pharm. D and D. Pharm.

Agreed

Meeting was ended with vote of thanks to chair

A handwritten signature in black ink, appearing to be 'bu', is centered on the page. It is flanked by two long, thin, parallel lines that extend diagonally upwards and outwards from the signature.



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA
Approve by AICTE, PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



RESEARCH ADVISORY COMMITTEE (RAC)

MINUTES OF THE MEETING

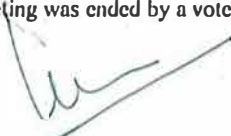
The Research Advisory Committee (RAC) was held on 27.07.2022 in the conference room of ISF College of Pharmacy, Moga. The meeting was chaired by Prof. (Dr.) G.D. Gupta; Chairman RAC, Director-cum- Principal of the college.

Agenda	Decision
Review of previous research work – status (2021-22)	The previous research work was analyzed through the format and a committee was constituted for submission of final report for the quality of research.
Previous work justification	A constituted committee will submit the report on 01-08-2022 after considering all parameters which are required for quality of research.
Admission promotion	Director of the institute appeal to promote admission in Diploma, UG, PG and Pharm D.
Final research evaluation committee	A final research evaluation committee will be formed for the PG student's thesis evaluation. Committee constituted: <ul style="list-style-type: none">• Dr. R.K.Narang• Dr. Pooja Chawla• Dr. Shamsher Singh• Dr. Sidharth Mehan• Dr. Amit Sharma
Best thesis award and process	The matter was discussed thoroughly and final decision was taken for final thesis award: <ol style="list-style-type: none">1. Interested guides are required to submit one name of the students for consideration in the award.2. After collection of the name, a committee will be decided considering all parameters which are required for the evaluation of best thesis award:<ol style="list-style-type: none">a. General criteria for allb. Specific criteria for branchc. Very precise component for wattage of the work

Academic calendar of research of Academic session 2022-23	<ol style="list-style-type: none"> 1. Internal meeting for tentative finalization of the topic: 20 Aug, 2022 2. Departmental presentation: 25 Aug, 2022 3. Final submission of the synopsis: 31 Aug, 2022 4. Final Approval of synopsis by RAC/External experts: 15 Sept, 2022 5. List of chemicals: 30 Sept, 2022 6. Communication n of review paper: 30 Nov, 2022 7. First progress report presentation: 15 Dec, 2022 <p><i>Note: Only eligible candidate after verification of submission of paper proof as per the paper submission guidelines)</i></p> <p><i>Journal club will be as per the norms and marks will be considered in the final examination.</i></p>
Induction program for M.Pharm students (2022-23)	<p>For strengthen of students understanding in the concerned branch as well as pharmacy profession, induction program should be initiated at department level. All induction programs will be organized department wise and final report will be submitted by the HOD's.</p>
Certificate course	<p>All the certificate course must be started properly and it is mandatory to all students to attend at least one certificate program during the year.</p> <p>Coordinator of all certificatory courses: Dr. R.K.Narang</p>
ISFCO – 2023	<p>In this year ISFCO-23 will be organized by Dept. of Pharmacology under IQAC.</p>
Publications, Patents, Transfer technology, Books, Book chapters, Consultancy	<p>As per the Chairman of RAC, some rule and regulations for patent and transfer technology has been framed. Every faculty member must include the applicant name as ISF College of Pharmacy, Moga.</p> <p>The institute already made its consultancy policies all the faculty member are advice that contribute the same.</p>
Scientific presentation	<p>Every week each department should conduct a Journal club for the improvement of quality of research work and circulate the notice.</p>
Award by students & faculty	<p>The HODs are required to promote their departmental faculty members and students for scientific conference and present their M.Pharm work.</p>
Best teaching learning practice	<p>All the faculty member should make effective teaching learning practice. The faculty members should include visuals, charts, models and video lectures.</p>

365 Days lecture series	It was decided in the meeting that institute is going to start 365 days lecture series. Every faculty member will arrange at least 5 experts from industry and 5 experts from International level. Coordinator of ISFCP-365 Days Lecture Series for strengthens of scientific and professional ethics.
Day to day attendance of students – PG	All HODs are required to manngne the daily attendance of PG students.
Workshop compulsory for students	All HODs will conduct workshop/hands on training for the PG students. <ul style="list-style-type: none"> • Dr. Pooja: Pharmaceutical Chemistry and Pharmaceutical analysis • Dr. Sidharth Mehan: Pharmacology • Dr. Nitin Gupta: Pharmaceutics, & Quality Assurance • Dr. Dilpreet Singh: Regulatory affairs • Dr. Amit: Pharmacy Practice and Pharm D • Dr. Alok Sharma: Pharmacognosy
All departmental documentation	Every department will prepare and maintain the documents as per the format of required in NAAC, ARIIA, NIRF.
Monthly departmental meeting	It was decided in the meeting that all HODs have to conduct one meeting with Chairman RAC. Saturday any one (01 hours)

The meeting was ended by a vote of thanks by the Dr. Alok Sharma, Coordinator, RAC, ISFCP, Moga.


Prof. (Dr.) G. D. Gupta
Director-cum-Principal



ISF COLLEGE OF PHARMACY, MOGA (PUNJAB)

(An Autonomous College & NAAC Accredited "A" Grade College)

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)

Punjab State Board of Technical Education & IT, Chandigarh



ISFCP/2022/1042

Dated: 19/09/2022

NOTICE

All the M.Pharmacy students and all concern faculty members are hereby informed that **Presentation of M.Pharm. 3rd Sem for Approval of Synopsis** is going to start from 21-09-2022 to 23-09-2022 as per the below schedule.

Time	Date	Branch
9.30am to 1.00pm	21-09-2022	Pharmacology
2.00pm to 6.00pm	21-09-2022	Pharmaceutics
9.30am to 1.00pm	22-09-2022	Remaining Pharmaceutics including QA, RA
2.00pm to 6.00pm	22-09-2022	Pharmacy Practice and Pharmacognosy
9.30am to 1.00pm 2.00pm to 6.00pm	23-09-2022	Pharmaceutical Chemistry and Analysis

Note: HOD's concern guides are required to present during the presentation students and manage the class accordingly.


19/9/2022

Prof. (Dr.) G.D. Gupta
Director-cum-Principal

Copy to:

1. Chairman Sir – for info by email
2. Secretary Sir – by email
3. Vice-Principal – by email
4. Inform to concern faculty & Staff

Synopsis Presentation

21/09/2022

(16)

Pharmaceutics

SNo.	Research Scholar	Guide	Suggestions
①	Abhishek Dey	Dr. Dilpreet Singh	In vivo parameters
②	Akshita	Dr. Nitin Sharma	Topic,
③	Amisha	Dr. Amrinder Singh	plan of work.
④	Anshul Sharma	Dr. Nitin Sharma	mice breed. C57BL/6
⑤	Laxmi Kumari	Dr. Balak Das Kermi	work check reliability. objective:- characterization
⑥	Lopamudra Mishra		objective, cell uptake stability.
⑦	Maitrayee Ghosh	Dr. Amrinder Singh	Remove retention. Simultaneous estimation Ex. vivo retention study. In vivo removed.
⑧	Nikhil Dattwal	Dr. Amrinder Singh	Permeation remove controlled release? Gel - only Textus/vis. in vivo localization Remo
⑨	Nimish Gupta	Dr. G. D. Gupta Dr. Dilpreet Singh	Glycyrrhizin as perme- -ation chances. Justify. in project.
⑩	Princi Verma	Dr. Dilpreet Singh Mr. Tanmay S. Markandeywar.	Rationale correction for BBS uptake Add biodegradation study
⑪	Ravi Pratap Singh	Dr. Raj Kumar Narang Dr. Amrinder Singh	Hypothesis in point Plan of work correct Film change to Gel. Literature survey References. correct.
⑫	Richa Kumari	Dr. Nitin Sharma.	Drug Profile plan of work *. pH based release
⑬	Sarmili Sahoo	Dr. Amandeep Singh.	Characterization check. Coating evaluation.
⑭	Simranjeet Kaur.	Dr. Dilpreet Singh	Route oral/IV
⑮	Jyoti Sharma. Dr. Nitin Sharma.	Dr. Sunil Gupta.	second polymer selection

Synopsis Presentation 22/09/22

Chair person

Faculty

- ① Dr. Sunit Gupta
- ② Dr. Nitin Sharma
- ③ Dr. Balak Das Kumar
- ④ Dr. G. D. Gupta

co-ordinator

- ⑤ Dr. G. S. Sarma
- ⑥ Mr. Anand Singh
- ⑦ Dr. Deepak Singh
- ⑧ Dr. Hem Raj
- ⑨ Dr. Amit Sharma
- ⑩ Dr. Rohit Bhatia
- 11) Dr. Alok
- 12) Dr. Shanker Singh
- 13) Dr. Bhupinder Kumar
- 14) Rajeev Kumar
- 15) Dr. Pooja Choudhary

Synopsis Presentation

22/09/22 (17)

Pharmaceutical Quality Assurance.

S.No.	Research Scholar	Guide	Suggestions	Result
①	Akshay	Dr. Dilpreet Singh.	Topic revised	ppt &
②	Kanak Chahal	Dr. Balak Das Khoni	Topic correction	
③	Maitunjay Kumar	Dr. Sunil Gupta.	Revise synopsis	Synopsis
④	Naman Deep Raj	Dr. Dilpreet Singh	Topic revised.	
⑤	Yash Sharma	Dr. Balak Das Khoni	Lit Review details.	Topic

Regulatory Affairs. 22/09/22

①	Donec	Dr. Nitin Sharma	Resubmit	<ul style="list-style-type: none"> Topic correction Revise synopsis Rewrite synopsis Topic, synopsis Rewrite
②	Kapil	Dr. Nitin Sharma		
③	Nikhil Sethi	Dr. Nitin Sharma		
④	Shubham Sawange	Dr. Sunil Gupta		
⑤				

(Pharmacy Practice)

- ① Abrar Zaigar = Mr. Ranjeet Kumar = 1) Title Punjab word to be included.
2) Add hyperlipidemia in inclusion criteria.
- ② Arvind = Mr. Ranjeet Kumar = Inclusion criteria need to change.
- ③ Hardik = Dr. Amit Sharma = Title change.
- ④ Jan Osoro = Dr. Amit Sharma = ① score need to remove from title.
② Inclusion & exclusion need to add.
③ Title need to modify.
- ⑤ Manish = Dr. Amit Sharma = Delete North India.
= Study site need to change.

⑥ Amir Mohammad Dr. Amit Sharma Title need to change.

Pharmacoeconomics
Revise synopsis.

⑦ Ruby Dr. Amit Sharma 01/ title of the study need to change.

(2) Inclusion criteria need to change.

(4) Reg. & Budget need to change.

(Pharmacognosy)

① Debarjyoti Dr. Navath K. Rajes. (1) → ROC need to
(2) match 2 Synops
(3) → Phyto-chemical parameters need to add.

② Deeksha Adhikari Dr. Navath K. Rajes (1) match synopsis & Presentation.

(2) Revise synopsis

③ Megha Gaswami Dr. Sant Kumar Verma (1) Revise synopsis
(2) match with PPT
(3)

Synopsis Presentation (Pharmaceutical Chemistry)

Faculty

Chairperson.

- 1) Dr. Nitin Sharma Nitin
- 2) Dr. Pooja Chavab Pooja
- 3) Dr. Shamsher Singh Shamsher
- 4) Dr. Preeti Patel Preeti
- 5) Dr. Naresh Pangra Naresh
2010/22
237922
- 6) Dr. Bhupinder Kumar Bhupinder
- 7) Dr. Rohit Bhatia Rohit
- 8) Dr. Vivek Asato Vivek
- 9) Dr. G. Sarma G. Sarma
- 10) Dr. Sant Kumar Verma Sant
- 11) Dr. Abou Abou
- 12) Dr. Sidhanta Mehan S. Mehan

Prof. Dr. G.D Gupta G.D Gupta

Name of Student	Guide.	Comments
1) Abhimannu Shome	Dr. Pooja Chavab	1. Title change 2. Numbering of compounds 3. Elaborate relations
2) Keshav T. Tho	Dr. Pooja Chavab	1. Title -> Anti Cancer ^{drug} 2. Make AM as title 3. New compounds 4. Match synopsis & ppt
3) Chahal	Dr. Bhupinder	1. Title change Lemon publication 2) Match synopsis & presentation
4) Gurkaran	Dr. Bhupinder	1. Match synopsis & ppt 2. Improve border of slide 3 Increase size of compounds in

Name of student

Guide

Comments

Objective: know various
epilepsy medications
MAO activity.

6) Irfan Ali Dr Rishi Bhatia 1. Title Change (Short)
2. Correct name of journals
in lit survey in slides

6) Praja Dr Sant K Verma 1. Change title (Shorten)
2. Material list
3. No scheme mentions

7) Priyadarshi Dr Sant K Verma 1. No scheme mentions
2. Change Title

8) Ruchi Shetye Dr Preeti Patel 1. Title O.K.
2. Mention MTI assay in
biological studies

9) Shankar Dr Vivek 1. Activities ^{to be} mentioned in
slides

Pharmaceutical Analysis

1. Alamjit Dr Vivek Asali 1. Write days in weeks
2. Justify Utility of HPLC
for food products

2. Ashdeep Dr Sant / Dr Rishi 1. Change title
2. Final dosage form?
3. No need of control release
4. Match ppt with syllabus

Debashee

Dr Pooja Chavla

1. Change title
2. Remove bulk / ^{only} ~~planned~~ format
3. Go for UV method
4. Name of instrument should be proper.

4. Himanshu

Dr Nareesh Ranga

1. Go for UV method
2. Change title → Market bid assay form

5. Jastanpreet

Dr Nareesh Ranga

1. Change title
2. Remove method
3. Go for UV first
4. Remove capsule word.
- 5.

6. Kunal Dagar

Dr Vivek

1. Remove bulk word
2. Remove formulation

7. Nareesh

Dr Preeti

1. Why QbD ?
2. Focus on HPLC only
3. Storage conditions (-20°C)

8. Ramesh

Dr Rohit

1. Change assay
2. Change title
- 3.

9. Nikita

Dr Pooja

1. Change title.
2. Rationals → Remove first para & second.
- 3.

- | | | | |
|-----|----------|---------------|--|
| 10. | Saukar | Dr Bhupendra | 1. Go for UV method
#2 Change title. |
| 11. | Shwanshu | Dr Preeti | 1. Hypothesis -
Remove from our best knowledge
2. Details used ?
Time ? |
| 12. | Sumit | Dr Bhupendra | 1. Check details used
2. modify title |
| 13. | Tanish | Dr Sant Verma | 1. Study about styrene
2. Objective ches
3. methodology, nit ches |
| 14. | Yogindra | Dr Rishi | 1. |

→ — x —

Synopsis presentation of Jcf student (Yashika Sharma)

Student Name	Guide Name.	Suggestions
Yashika Sharma.	Dr. Anzinder Singh.	Title modify
	Amulya 15/10/22	work Plan details
	Amulya	References.





ISF College of Pharmacy (An Autonomous College)

[^NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA

Approve by AICTE, PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



RESEARCH ADVISORY COMMITTEE (RAC)

MINUTES OF THE MEETING

A meeting of the Research Advisory Committee (RAC) was held on 30.04.2023 at 11:00 am in the conference room, ISF College of Pharmacy (An Autonomous College), Moga under the Chairmanship of Prof. (Dr.) G.D. Gupta; Director-cum-Principal.

The following members were present in the meeting:

S.N.	Name	Designation	Committee Position	Signature
1.	Dr. G.D. Gupta	Director-cum-Principal	Chairman	
2.	Dr. R.K. Narang	Vice Principal	Member Secretary	
3.	Dr. Nitin Sharma	Professor	Coordinator	
4.	Dr. Pooja Chawla	Professor	Member	
5.	Dr. Shamsheer Singh	Professor	Member	
6.	Dr. Amit Sharma	Professor	Member	
7.	Dr. Sidharth Mehan	Professor	Member	
8.	Dr. Balakdas Kurmi	Associate Professor	Member	
9.	Dr. Dilpreet Singh	Associate Professor	Member	
10.	Dr. Rajbir Singh	Associate Professor	Member	
11.	Dr. Sant Kumar	Associate Professor	Member	
12.	Dr. Preeti Patel	Associate Professor	Member	
13.	Dr. Arti Singh	Associate Professor	Member	
14.	Dr. Rohit Bhatia	Associate Professor	Member	
15.	Dr. Amandeep Singh	Associate Professor	Member	
16.	Dr. Amrinder Singh	Associate Professor	Member	
17.	Dr. Naresh Rangra	Associate Professor	Member	
18.	Dr. Shivani Chandel	Associate Professor	Member	
19.	Dr. Prabha Rajput	Associate Professor	Member	

The following new members were included in the revised RAC.

- Dr. Rajbir Singh
- Dr. Shivani Chandel
- Dr. Prabha Rajput

30/4/2023

Following members were resigned and relieved.

- Dr. Alok Sharma
- Dr. Sunil Gupta
- Dr. Amrita Singh

The Coordinator Dr. Nitin Sharma welcomes all the members and presented the agenda for discussion.


The committee took the following decisions after a thorough discussion:

Agenda	Decision
Confirmation of previous minutes of the meeting	Previous minutes of the meeting (Meeting held on 27-07-2022) were read and confirmed.
Revision of Research and Advisory Board	<p>It was found that some faculty members resigned and relived from the college. Committee members decided to include new members for the strengthening of RAC committee and also decided to include some external experts during the meeting or scientific presentation.</p> <p>Following members resign from the post</p> <ul style="list-style-type: none"> • Dr. Alok Sharma • Dr. Sunil Gupta • Dr. Amrita Singh <p>Following members were included in the RAC.</p> <ul style="list-style-type: none"> • Dr. Rajbir Singh • Dr. Shivani Chandel • Dr. Prabha Rajput <p>Approved by the committee</p>
Project evaluation running in the different departments	<p>Review of Ongoing Research Projects:</p> <p>The coordinator of RAC submitted a brief report of ongoing projects of M. Pharma in different departments and verifies the status of projects such as objectives, hypothesis, requirement, viability of the project, in-house availability of requirement, and need outsourcing of the work as presented by the candidate during the approval of title and basic requirement of research including first and second presentation.</p> <p>Discussion of Project Evaluations:</p> <p>All members discussed the criteria and methods for evaluating the research projects, including impact, feasibility, and alignment with departmental goals. The members also discussed the challenges and limitations of the current evaluation process.</p> <p>Evaluation Criteria:</p> <p>The continuous evaluation of research (CER) format was discussed during the meeting; all committee members appreciated the transparency of the evaluation of ongoing research in each step including approval of title till pre-thesis submission. It was also appreciated by the ember that this is the best practice for evaluating research projects, including regular progress monitoring, stakeholder engagement, and the use of data and metrics.</p> <p>It was also suggested to maintain all documentation for NAAC as well as the quality of teaching learning and research process.</p>
Status of the project submitted to various agency	<p>Coordinator-RAC, presented a review of the research projects submitted to various agencies, including the agencies name, project titles, and submission dates. The present status of projects is ongoing and submitted by the faculty for approval.</p> <p>On-going projects</p> 

S. No	Name of PI	Name of Co-PI	Agency	Title	Cost
1	Dr Shamsher		ICMR	A novel approach carrying Luteolin, β -Ecdysterone, Harmine in tramadol and methamphetamine induced experimental model of Parkinson's like symptoms in rats	31.00 L
2	Dr. Pooja Chawla	Mr Abhimanu Sharma	MSME	Synthesis of Acetaminophen (Paracetamol) in one step: A novel Approach	17.5 L
3	Dr. Rohit Bhatia	Dr. RK Narang	MSME	Development of Electrochemical Point of Care Device for Detection of Glucose levels in Human Saliva	20.0 L
4	Dr. GD Gupta	Dr. Balak Das Kurmi	ICMR	Development and evaluation of HER-2 monoclonal antibody tethered liposome system for targeted co-delivery of MDR modulating and chemotherapeutic agent(s) against resistant breast carcinoma	20.57 L
5	Dr Preeti Patel		ICMR	Design, synthesis and anticancer evaluation of 1,3,4 oxadiazole 2 thione analogs of HDAC and thymidine Phosphorylase dual inhibitor	25.33 L
6	Dr Sidharth Mehan	Dr GD Gupta	SERB	Development of diagnostic biomarkers and molecular characterization of therapeutic moieties in the prevention and diagnosis of multiple sclerosis	36.90 L
7	Dr Sidharth Mehan	Dr GD Gupta	MSME	'S' Maze for evaluation of neurobehavioral and neuromuscular activities in rodents	18.50 L
8	Dr Sidharth Mehan	-	Celagenax, USA	Pre-clinical estimation of timeline (Bioavailability) of Magnesium Compounds using rat brain	7.08 L
9	Dr Sidharth Mehan	-	Jamia Hamdard University, Delhi	Evaluation of novel anti-alzheimer compound in Alzheimer's disease	3.0 L
10	Dr Sant Kumar Verma		SERB	Design, Synthesis and Development of Novel Safer Lead Inhibitors of DPP IV for the Management of Type 2 Diabetes	22.66 L
11	Dr Arti Singh		SERB	Pharmacological Exploration of Mitochondrial Metabolomics to treat chemotherapy-induced cognitive impairment	34.00 L
<p>All members appreciated and congratulated to research team of the college as well as the RAC committee for strengthening of research activity at the national level.</p>					
Pre-thesis submission presentation and final Thesis submission	<p>Considering the status of M Pharm project as well as suggestions of some faculty members, it was decided to start the pre-submission of the thesis presentation of M Pharm students in the last week of May 2023.</p> <p>The schedule of the pre-thesis presentation is 29th-31st May 2023, All committee members approved. It was also advised to the coordinator to circulate the branch-wise detail schedule of the pre-thesis presentation.</p>				
Final research evaluation committee	<p>Research evaluation committee (REC)</p> <ul style="list-style-type: none"> • • Composition of REC • • Chairman: Director or director nominee • • Coordinator: RAC Coordinator 				

	<ul style="list-style-type: none"> • Candidate <p>Other Department faculty will be invited during the presentation- Open Invitation for faculty and PG Students. REC was approved by the committee.</p>
Best Thesis Award	<p>Prof. (Dr.) G.D. Gupta, also suggests the best thesis award. The following course of action was suggested At the national level for the best thesis award Internal best thesis award Both awards will; be given during the ISF'CON of the respective year. For proper evaluation of the best thesis, it was suggested by the chairman-</p> <ol style="list-style-type: none"> 1. A committee will be constituted to evaluate for best thesis award preferably two external experts and one Internal. 2. The HOD will recommend one name from their respective department for the consideration of the award. <p>The final prize, certificate and memento will be given to the candidate. It was decided to forward the matter In BOG for final approval.</p>
Revision of all marks format	<p>Coordinator-RAC was asked to review all assessment formats such as:</p> <ul style="list-style-type: none"> • <i>Journal Club</i> • <i>Assignment</i> • <i>Day-to-day research File</i> • <i>Mid-term presentation</i> • <i>Pre-submission presentation</i>
Guide allotment and Project Designing	<p>Guide allotment as per the previous practice and also take the precaution for distribution of students on the basis of post as well as capability of an individual. Approved</p>
Publication, Patent, Book, Book Chapters, and consultancy work	<p>Coordinator-RAC was tasked with documenting and collecting the status of publications, patents, books, book chapters and consultancy work made by the faculty members during the academic session 2022-23. It was also suggested to circulate all format and guidelines for final thesis submission of the candidate in time.</p>

The meeting was ended by a vote of thanks to the chair and all committee members by
Coordinator of RAC.


30/6/2023
Prof. (Dr.) G. D. Gupta
Director-cum-Principal



ISF College of Pharmacy (An Autonomous College)
[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA
Approve by AICTE, PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



ISFCP/2023/882

Dated: 09/05/2023

NOTICE

All the M Pharm students and all concern faculty members are hereby informed that Pre-thesis presentation of M Pharm (2nd year) students is scheduled.

Time	Date	Branch
9:30 am to 1:30 pm	29/05/2023	Pharmacy Practice, Pharmacognosy
9:30 am to 6:00 pm	30/05/2023	Pharmacology
9:30 am to 6:00 pm	31/05/2023	Pharmaceutics, QA,RA
9:30 am to 1:00 pm	01/06/2023	Pharmaceutical Chemistry, Pharmaceutical Analysis

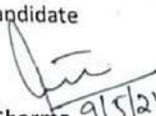
Note: All HODs and concern guide are required to present during the student presentation.


The presentation slides will includes:

1. Work Done
2. Work Remaining
3. Difficulties in the projects (if any)
4. Publication status and details

Following will be the quorum during the presentation

1. Chairperson Nominee
2. Coordinator RAC
3. HOD of concern department
4. Guide and Co-guide
5. Candidate


Dr Nitin Sharma
RAC, Coordinator


9/5/2023
Prof. (Dr.) G.D. Gupta
Director-cum-Principal



ISF College of Pharmacy (An Autonomous College)
 [NAAC Accredited "A" Grade College]
 GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA
 Approve by AICTE, PCI & Govt. of Punjab
 Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



ISFCP/2023/

Dated: 15/05/2023

NOTICE

The following faculty members are hereby informed to attend the meeting of the Research Advisory Committee (RAC) on 17-05-23 at 03:00 pm. (Agenda of meeting attached for discussion)

S.N.	Name	Designation	Signature
1.	Dr. R.K. Narang	Vice Principal	
2.	Dr. Nitin Sharma	Professor	
3.	Dr. Pooja Chawla	Professor	
4.	Dr. Shamsheer Singh	Professor	
5.	Dr. Amit Sharma	Professor	
6.	Dr Sidharth Mehan	Professor	
7.	Dr. Balakdas Kurmi	Associate Professor	
8.	Dr. Dilpreet Singh	Associate Professor	
9.	Dr. Rajbir Singh	Associate Professor	
10.	Dr. Sant Kumar	Associate Professor	
11.	Dr. Preeti Patel	Associate Professor	
12.	Dr. Arti Singh	Associate Professor	
14.	Dr. Rohit Bhatia	Associate Professor	
15.	Dr. Amandeep Singh	Associate Professor	
16.	Dr. Amrinder Singh	Associate Professor	
17.	Dr. Naresh Rangra	Associate Professor	
18.	Dr. Dr.Vivek Asati	Associate Professor	
19.	Dr. Naresh Kumar Rangra	Associate Professor	
20.	Ms. Seema Brar	Associate Professor	

21 Dr. Prabha Rajput Associate Professor

17/5/2023
 Prof. (Dr.) G.D. Gupta
 Director-cum-Principal



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by AICTE, PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



RESEARCH ADVISORY COMMITTEE (RAC)

MINUTES OF THE MEETING

A meeting of the Research Advisory Committee (RAC) was held on 17.05.2023 at 03:00 pm in the conference room, ISF College of Pharmacy (An Autonomous College), Moga under the Chairmanship of Prof. (Dr.) G.D. Gupta; Director-cum-Principal.

The following members were present in the meeting:

S. No	Name	Designation	Signature
1.	Dr. R.K. Narang	Vice Principal	
2.	Dr. Nitin Sharma	Professor	
3.	Dr. Pooja Chawla	Professor	
4.	Dr. Shamsher Singh	Professor	
5.	Dr. Amit Sharma	Professor	
6.	Dr. Sidharth Mehan	Professor	
7.	Dr. Balakdas Kurmi	Associate Professor	
8.	Dr. Dilpreet Singh	Associate Professor	
9.	Dr. Rajbir Singh	Associate Professor	
10.	Dr. Sant Kumar	Associate Professor	
11.	Dr. Preeti Patel	Associate Professor	
12.	Dr. Arti Singh	Associate Professor	
13.	Dr. Rohit Bhatia	Associate Professor	
14.	Dr. Amandeep Singh	Associate Professor	
15.	Dr. Amrinder Singh	Associate Professor	
16.	Dr. Naresh Rangra	Associate Professor	
17.	Dr. Dr. Vivek Asati	Associate Professor	
18.	Dr. Naresh Kumar Rangra	Associate Professor	
19.	Ms. Seema Brar	Associate Professor	

20 Dr. Prubha Rajad

Associate Professor

Poull

The Coordinator Dr. Nitin Sharma welcomes all the members and presented the agenda for discussion.

The committee took the following decisions after a thorough discussion:

Agenda	Decision																																															
Confirmation of previous minutes of the meeting	Previous minutes of the meeting (Meeting held on 30-04-2023) were read and confirmed.																																															
Pre-thesis	<ul style="list-style-type: none"> • Coram: The coordinator of RAC presented a coram during the pre-thesis presentation and it was decided the Coram will comprise the following members: <ol style="list-style-type: none"> 1. Chairperson nominee 2. Coordinator RAC 3. HOD of the concerned department 4. Guide and Co-guide 5. Candidate • Presentation pattern: It was decided the presentation pattern by the candidate will be as follows: <p>Maximum of 15 slides will be there in the presentation and will be comprised of the following sub-heading:</p> <ol style="list-style-type: none"> 1. Title slide (as per the standard format) 2. Introduction and rationality 3. Literature review 4. Work plan 5. Development methods 6. Result 7. Difficulties Observed 8. Calculation part (if any) 9. Remaining part (if any) • The HOD were asked to collect the following information from the students <table border="1" data-bbox="198 908 1137 1004"> <thead> <tr> <th>Student Name</th> <th>Title</th> <th>Guide</th> <th>Co-guide</th> <th>Father Name</th> <th>Mother Name</th> <th>E-Mail</th> <th>Phone Number</th> <th>Roll Number</th> <th>Placement Status</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Evaluation parameters: It was decided to evaluate the pre-thesis presentation on the following parameters: <table border="1" data-bbox="216 1072 1137 1381"> <thead> <tr> <th>Presentation skill</th> <th>Work status</th> <th>Publication status (review article)</th> <th>Publication status (research article)</th> <th>Miscellaneous</th> <th>Remaining work (Y/N)</th> <th>Change in the title (Y/N)</th> <th>Result</th> <th>Total marks</th> </tr> </thead> <tbody> <tr> <td>20 marks</td> <td>20 marks</td> <td>20 marks</td> <td>20 marks</td> <td>20 marks</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Marks distribution (10-20) <i>12 to 20</i></td> <td>Marks distribution (10-20) <i>12 to 20</i></td> <td>20 marks (SCI), 15 (Scopus) <i>12</i> 20 (others) <i>12</i></td> <td>20 marks (Sci), IJC 15 (Scopus), 20 (others/ submitted) <i>12</i></td> <td><i>10 + 18</i></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Student Name	Title	Guide	Co-guide	Father Name	Mother Name	E-Mail	Phone Number	Roll Number	Placement Status											Presentation skill	Work status	Publication status (review article)	Publication status (research article)	Miscellaneous	Remaining work (Y/N)	Change in the title (Y/N)	Result	Total marks	20 marks	20 marks	20 marks	20 marks	20 marks					Marks distribution (10-20) <i>12 to 20</i>	Marks distribution (10-20) <i>12 to 20</i>	20 marks (SCI), 15 (Scopus) <i>12</i> 20 (others) <i>12</i>	20 marks (Sci), IJC 15 (Scopus), 20 (others/ submitted) <i>12</i>	<i>10 + 18</i>				
Student Name	Title	Guide	Co-guide	Father Name	Mother Name	E-Mail	Phone Number	Roll Number	Placement Status																																							
Presentation skill	Work status	Publication status (review article)	Publication status (research article)	Miscellaneous	Remaining work (Y/N)	Change in the title (Y/N)	Result	Total marks																																								
20 marks	20 marks	20 marks	20 marks	20 marks																																												
Marks distribution (10-20) <i>12 to 20</i>	Marks distribution (10-20) <i>12 to 20</i>	20 marks (SCI), 15 (Scopus) <i>12</i> 20 (others) <i>12</i>	20 marks (Sci), IJC 15 (Scopus), 20 (others/ submitted) <i>12</i>	<i>10 + 18</i>																																												
Pharmaspire	<ul style="list-style-type: none"> • considering the improvement and increasing the number of the quality publication in pharmaspire it was suggested and decided to follow the journal guidelines. This was also suggested to work on the website of the journal to make it user-friendly. • For the promotion of the journal, HODs of all departments were requested to promote the journal time to time. • Prof. (Dr.) G.D. Gupta also suggests to use the best practice for the enhancement of abstracting and indexing of the journal at the National and International level. 																																															
Lecture series	<ul style="list-style-type: none"> • Coordinator IQAC was tasked with documenting and collecting the title for the internal expert talk. This was also suggested that the title of the talk should be very specific and should be relevant to the profession. Few examples of the title are application of the latest software, techniques, data Interpretation technique, graphical representation and statistical tools. The maximum time for the talk will be 30 min and the recorded lecture will be uploaded on Institute's YouTube channel. • Coordinator IQAC was tasked with documenting and collecting the title for the external expert talk of women experts specifically for the promotion of women empowerment by the Institute. The expert talk will be conducted in coordination of women's cell of ISFCP and S1-101 lectures will be recorded (maximum 30 min) and uploaded on the 																																															

institute's YouTube channel.

- Coordinator IQAC was tasked with documenting and collecting the title for the external expert talk (open) through the faculty member. The faculty member was requested to submit at least 10 names with the detail (date, time, designation, title of the talk) and notified all statistical data by ensuring the circulation of the event in the institute group.
- This was also decided that the speaker should be of a national institute, research centre, central and state university (NIRF ranking under 100), industry, international university and/or maybe the Renault personality even in the field of basic science.
- Dr. Amlt Sharma, HOD Pharmacy Practice were asked to design the invitation letters, certificates and thanks letter for the internal expert talk, and external talk (women and open) category.

Thesis Format for PG Student

- Prof. (Dr.) G.D. Gupta also suggests that the thesis submission can be started from 5th June to 15th July 2023. Subject to the fees clearance (academic, hostel and/or others) and recommendation of the guide/co-guide (if satisfying the submission criteria).
- This was also decided to keep the standard format of the thesis with the following pages in the following order: (the format of individual attachments was also designed).
 1. Cover page
 2. Inside cover page
 3. Declaration by the candidate
 4. Certificate by the guide
 5. Acknowledgement
 6. Publication details (as per the given format)
 8. Presentation detail (as per the given format)
 9. another achievement such as book chapters, awards or any others
 10. First page of all published articles, book chapters, conference certificate
 11. Plag report

Publication detail Table

S. No.	Name of the journal	Title	Authorship status	Indexing (Sci/WoS/Scopus/Others)	Status of the article (published/communicated)	Article type (research/review)
1.						
2.						
Signature of Candidate				Signature of guide/ co-guide		

Presentation detail table

S. No.	Name of the conference and more	Title	National/International	Organizer	Roll attendee/presenter/speaker
1.					
2.					
Signature of candidate			Signature of Guide/ co-guide		

Any other with the permission of chair

1. The meeting was ended by a vote of thanks to the chair and all committee members by

Coordinator of RAC.


Prof. (Dr.) G. D. Gupta
Director-cum-Principal

Result of Pre-thesis

The pre-thesis presentation was held from 29-05-2023 to 01-06-2023. The research Advisory Committee found the work status of the following students satisfactory and recommended permission for thesis submission.

Branch	Student Name	Status	
Pharmacy Practice	Abrar Ahmad Zargar	Recommended	
	Arvind Kumar	Recommended	
	Hardik Kumar	Absent	
	Ian Osoro	Recommended	
	Manisha Vohra	Recommended	
	Mohammad Amir	Recommended	
	Ruby Gangwar	Recommended	
Pharmacognosy	Debajyoti Roy	Recommended	
	Deeksha Adhikari	Recommended	
	Megha Goswami	Recommended	
Pharmacology	Aditi Giri	Recommended	
	Biplob Sarkar	Not-Recommended	
	Kajal	Recommended	
	Kaunava Roy Chowdhury	Recommended	
	KM Anjalee Bhratee	Recommended	
	Mandeep Kaur	Absent	
	Mayank Kumar	Not-Recommended	
	MD Reyaz Alam	Recommended	
	Piyush Anand	Not-Recommended	
	Priya Bindal	Recommended	
	Priyanka Swarnkar	Absent	
	Sakshi Misra	Absent	
	Sarthak Sharma	Recommended	
	Sonima Prasad	Recommended	
	Swesha Chhabra	Recommended	
	Abhishek dey	Recommended	
	Pharmaceutics	Akshita	Recommended
		Amisha	Absent
		Anshul sharma	Recommended
Jyoti sharma		Recommended	
Lakshmi kumari		Recommended	
Lopamudra mishra		Recommended	
Maitrayee ghosh		Absent	
Nikhil dadval		Recommended	
Nimish gupta		Recommended	
Princi verma		Recommended	
Kavipratap singh		Not-Recommended	
Richa kumari		Recommended	
Sarmili sahuo		Recommended	
Simranjeet kaur		Recommended	
Drug Regulatory-Affair		Yashika Sharma	Absent
	Donee	Recommended	
	Kapil	Recommended	
	Nikhil	Recommended	
	Shubham	Recommended	
Quality Assurance	Akshay	Recommended	
	Kanak	Recommended	



Pharmaceutical Chemistry	Mrityunjay	Recommended
	Naman Deep	Not-Recommended
	Yash Sharma	Recommended
	Abhimanyu Shome	Absent
	Chahat	Absent
	Gurkaran Singh Baweja	Recommended
	Irfan Ali	Absent
	Keshav Taruneshwar Jha	Absent
	Priya	Absent
	Priyadarshi Gautam	Absent
	Ruchi Shakya	Absent
	Shankar Gupta	Recommended
	Alanjot Singh	Recommended
Pharmaceutical Analysis	Arshdeep Chopra	Recommended
	Debashree Debashish Das	Recommended
	Himanshu	Recommended
	Jashanpreet Kaur	Recommended
	Komal Dagar	Recommended
	Navneesh	Recommended
	Nikita	Not-Recommended
	Ramesh	Recommended
	Sanskar	Recommended
	Shivanshu	Recommended
	Sumit	Recommended
	Tanish	Recommended
	Yogindra	Recommended

Handwritten signature



ISF COLLEGE OF PHARMACY, MOGA (PUNJAB)

(An Autonomous College & NAAC Accredited "A" Grade College)

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)

Punjab State Board of Technical Education & IT, Chandigarh



ISFCP/2023/1063

Dated: 19/09/2023

NOTICE

All PG Guides and M Pharm 3rd semester students are hereby informed to attend the meeting of RAC committee for discussion and strengthen of research.


Venue: Mini Auditorium

Date: 20/9/2023

Time: 2 pm sharp

Coordinator: Dr.Pooja Chawla, RAC

Note: All should come with pen, writing pad and listen carefully for further development of day-to-day research.


[19/9/2023]

Prof. (Dr.) G.D. Gupta
Director-cum-Principal

Copy to:

1. Chairman Sir - for info by email
2. Secretary Sir - for info by email
3. Vice-Principal (Principal ISFCPR) - for info. by email
4. Email to all faculty- by email



ISF College of Pharmacy (An Autonomous College)
NAAC Accredited "A" Grade College
 GT Road, Ghal Kalan, Moga - 142001 (Pb.) India
 Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



LIST PG GUIDES

Sub. : RAC Committee meeting schedule for discussion of synopsis 20/9/23

S. No.	Name of the Faculty	Designation	Signature
1.	Prof. (Dr.) G. D. Gupta	Director cum Principal	 20/9/23
2.	Prof. (Dr.) R. K. Narang	Vice Principal	
3.	Dr. Pooja Chawla	Professor	
4.	Dr. Shamsher Singh	Professor	
5.	Dr. Balak Das Kurmi	Professor	
6.	Dr. Amit Sharma	Professor	
7.	Dr. Sidharth Mehan	Professor	S. Mehan
8.	Dr. Rajveer Singh	Associate Professor	
9.	Dr. Sant K Verma	Associate Professor	
10.	Dr. Arti Singh	Associate Professor	
11.	Dr. Naresh K Rangra	Associate Professor	
12.	Dr. Rohit Bhatia	Associate Professor	
13.	Dr. Ankit Awasthi	Associate Professor	
14.	Dr. Sarjana Raikwar	Associate Professor	
15.	Dr. Vivek Asati	Associate Professor	
16.	Dr. Preeti Patel	Associate Professor	Lab
17.	Dr. Prabha Rajput	Associate Professor	
18.	Dr. Amandeep Singh	Associate Professor	Leave
19.	Dr. Shivani Chandel	Associate Professor	Lab
20.	Dr. Ranjeet Kumar	Associate Professor	
21.	Mr. Timmay	Associate Professor	

Attendance of students (Pharmaceutical Chemistry).

S No	Name of candidate	Signature
1.	Aman	Aman
2.	Anjali Sharma	Anjali
3.	Anushka Sharma	Anushka
4.	Arshdeep Singh	Arshdeep
5.	Bhavana	Bhavana
6.	Deepak Singh Bisht	Deepak
7.	KM Surbhi Singh	Surbhi
8.	Pawan Kumar	Pawan
9.	Prabhjot Kaur	Prabhjot
10.	Preety Kumari	Preety
11.	Rabin Debnath	Rabin
12.	Rahul Dubey	Rahul
13.	Rupali Kohal	Rupali Kohal
14.	Shivani kasana	Shivani
15.	Vaibhav Nigam	Vaibhav

Attendance of students (Quality Assurance)

S No	Name of candidate	Signature
1.	Anjali Bisht	Anjali
2.	Brajesh Kumar Panda	Brajesh
3.	Debanjan Mukherjee	Debanjan
4.	Diksha	Diksha
5.	Divya	Divya
6.	Dubey Avinash Vijayshankar	Avinash
7.	Gurisha	Gurisha
8.	Lokesh Sharma	Lokesh
9.	Raj Kamal	Raj kamal
10.	Sonakshi Garg	Sonakshi

Attendance of Students (Regulatory Affairs)

S No	Name of candidate	Signature
1.	Animesh Ranjan	Animesh
2.	Gaurav	
3.	Niraj Patil	Niraj
4.	Shivendu Shekhar Shashi	

[Handwritten signature]

Attendance of students (Pharmaceutical Analysis)

S No	Name of candidate	Signature
1.	Aniket Saini	Aniket Saini
2.	Anish Soni	Anish Soni
3.	Ankit Kumar Singh	Ankit
4.	Ashish Mehta	Ashish Mehta
5.	Ashita Jain	Ashita
6.	Bharat Sharma	Bharat Sharma
7.	Bibhu Prasad	Bibhu Prasad
8.	Kushal Seni	Kushal
9.	Pallavi Barik	Pallavi
10.	Priyanka Paul	Priyanka
11.	Priyanka Rani	Priyanka
12.	Rahul	Rahul
13.	Shivam Kumar	Shivam
14.	Sourabh Satapathy	Sourabh Satapathy
15.	Yogita	Yogita

Attendance of Students (Pharmacognosy)

S No	Name of candidate	Signature
1.	Jyotirmay Sarkar	Jyotirmay Sarkar
2.	Kamalpreet Singh	Kamalpreet Singh
3.	Geetika	Geetika
4.	Soumitra Sahana	Soumitra Sahana
5.	Sushmita Mitra	Sushmita Mitra
6.	Thakur Prava Jyoti	Thakur Prava Jyoti

Attendance of students (Pharmacy Practice).

S No	Name of candidate	Signature
1.	Amandeep Kaur	Amandeep Kaur
2.	Arshdeep Kaur	
3.	Muhawenimana Angelique	
4.	Kunal	

Minutes of the meeting

A meeting of research advisory committee was held on 19/9/2023 at 2:00 pm in the mini-auditorium, ISF college of Pharmacy Moga under the chairmanship of Dr. G D Gupta, Director, ISFCP. Chairman of the committee welcome all the members and put the agenda by coordinator RAC in front of the committee for discussion and approval. All the members proposed the name of Dr. Pooja Chawla as coordinator of RAC in place of Dr. Nitin Sharma. All members congratulated Dr Pooja Chawla and all the documents hand over for proceedings. Dr Pooja Chawla thanked all the members for nominating coordinator of RAC and presented the agenda for discussion. The committee took the following decision after thorough discussion:

Agenda	Decision																																						
Revision of Research and Advisory Board	<p>It was found that some faculty member resigned and relieved from college. Committee members decided to include new members for the strengthen of RAC committee and also decided to include some external experts during the meeting or scientific presentation.</p> <p>Following members resigned and relieved</p> <ul style="list-style-type: none"> • Dr Dilpreet Singh • Dr. Amrinder Singh <p>Following members were included in the RAC.</p> <ul style="list-style-type: none"> • Dr. Sarjana Raikwar • Dr Ankit Awasthi • Dr Sourabh Kosey • Mr. Tanmay Markandeywar • Mr. Gurmeet Singh <p>Approved by the committee</p>																																						
New projects granted	<p>Three MSME projects sanctioned: Dr. Pooja Chawla Dr. Sant K Verma Dr Vivek Asati</p> <p>One ICMR project sanctioned to Dr. Sidharth Mehan.</p> <p>All members congratulated them and advised to work on the specified project upto commercial level.</p>																																						
Research output 2022	<p>By the efforts of all PG guides and students including research associate</p> <p>Total paper published: 145 with 448.63 impact factor</p> <p>All the members were encouraged and congratulated by Chairman.</p>																																						
Particular	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">2022</th> <th rowspan="2"></th> </tr> <tr> <th>No.</th> <th>IF</th> <th>H-IF</th> </tr> </thead> <tbody> <tr> <td>Research Papers –Int.</td> <td>46</td> <td>161</td> <td>09.47</td> <td>Books and Book Chapters : 20 + 12</td> </tr> <tr> <td>Review Papers Int.</td> <td>89</td> <td>287.28</td> <td>11.18</td> <td>Webinars : 350</td> </tr> <tr> <td>Research Papers National</td> <td>06</td> <td>0.00</td> <td>0.00</td> <td>Patents Granted : 02</td> </tr> <tr> <td>Review Papers-National</td> <td>04</td> <td>0.00</td> <td>0.00</td> <td>National + 01 International Granted</td> </tr> <tr> <td></td> <td>145</td> <td>448.63</td> <td></td> <td>Patent Published : 08; Filled : 10</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Design Patent Granted : 20</td> </tr> </tbody> </table>		2022				No.	IF	H-IF	Research Papers –Int.	46	161	09.47	Books and Book Chapters : 20 + 12	Review Papers Int.	89	287.28	11.18	Webinars : 350	Research Papers National	06	0.00	0.00	Patents Granted : 02	Review Papers-National	04	0.00	0.00	National + 01 International Granted		145	448.63		Patent Published : 08; Filled : 10					Design Patent Granted : 20
	2022																																						
	No.	IF	H-IF																																				
Research Papers –Int.	46	161	09.47	Books and Book Chapters : 20 + 12																																			
Review Papers Int.	89	287.28	11.18	Webinars : 350																																			
Research Papers National	06	0.00	0.00	Patents Granted : 02																																			
Review Papers-National	04	0.00	0.00	National + 01 International Granted																																			
	145	448.63		Patent Published : 08; Filled : 10																																			
				Design Patent Granted : 20																																			

M Pharm Scheme and Schedule	Complete scheme and schedule discussed in length and approved.
--	--

S.No	Particular	Credit	Marks	01	02	Best of One
1.	Research Methodology & Biostatistics	4	100 (25+ 75)			
2.	Journal Club	1	25	25	25	25
3.	Discussion / Presentation (Proposal Presentation)	2	50	50	50	50
4.	Research Work	14	350	200 (Internal)	100 (Publication)	50(Average 1+2+3)
		21	525			

INTERNAL 200 :

Individual Guide is required to submit the list of their respective students direct confidentially to Examinations – Considering Performance, Attendance, Discipline, Sincerity of students etc.

INTERNAL 100 : Purely on Publication of review/Research/Patent only

- 95 marks – Published more than 2 Impact Factor
- 80 Marks – Published in Scopus/UGC care Journals
- 60 Marks – Paper Submitted to Journal.
- 50 Marks – Paper under Process

Guidelines: First author only to be considered under publications, Patent – No definition of first author if name of candidate will be considered but one patent only for one person.

Design patent : No weightage in third semester (if related to same project will be considered in fourth semester)

Copy Right: No weightage

Internal : 50 : 25 + 50 + 25 = A/2 = C (Out of 50 marks)

Important Points for synopsis :

- Need strictly both side printing
- Main Heading, Sub-heading, sub-sub-heading,
- Font and Font Size
- Spacing – Not more than 1.5 all side 01 inches maximum
- Bullet not given working properly in justified manner
- List of Chemicals – Very proper with name of company and price
- Requirement of Glass ware – Very small items ignored
- Equipment – required and utilization
- Budget : Chemical, Equipment testing (HPLC, HPTLC, GC, AAS, FTIR, DSC, Zetasizer, Cell Culture, Animals, Zebra fish etc.)
- Slide number on PPT , Footer – ISF College of Pharmacy (An Autonomous College), Moga

Academic calendar for M Pharm 3rd and 4th semesters	Discussed and approved.
--	-------------------------

ACADEMIC CALENDAR
M.Pharm, 3rd and 4th Semester

Ref No 166f/2023/2024 09/08/2023

S.No.	Particular	Schedule
1	M. Pharm, 3 rd Semester (Start of academic session)	July 03, 2023
2	Submission of Synopsis – Not more than 20 pages (Both side print only spiral or simple stapled) – Template attached	Sep 15, 2023
3	Presentation/Approval of Title by RDC/RAB/committee	Between Sep 25-30, 2023
4	Submission of compiled Chemical list through HOD	Oct. 7, 2023
5	First presentation of progress report (50 marks)	Nov. 15, 2023
6	Submission/Publication of Review article	Nov. 30, 2023
7	Presentation of second progress report (75 marks)	Between March 15-25, 2024
8	Prothesis presentation	Between May 1-5, 2024
9	First date for thesis submission	May 31, 2024
10	Final date for thesis submission	June 15, 2024
11	Final date for thesis viva presentation	June 15-July 15, 2024

Note: There will be two presentations of individual student in J Club (25 Marks)
Best of one will be considered in each semester.
Two J clubs before 15th Nov, 2023 must be conducted.

Pre-synopsis submission, discussion and evaluation criteria
It was found that most of the students are not taking care about the mistakes of formatting and presentation. A brief about the synopsis format with justified template was discussed including the evaluation criteria for taking care integrity and transparency to justify the work of the students. The matter was discussed in length and also discussed the RAC committee agenda held on 30/4/2023 to revise the evaluation criteria as discussed in the previous meeting.

Inclusion of M Pharm students in this RAC meeting
All the members appreciated steps taken by chairman of the committee for first hand information given to students for the preparation of synopsis, understanding of criteria of evaluation and presentation of proposal and also strengthen of the research upto the mark.

Synopsis presentation
Justified template of first slide and another slide with particulars was discussed in length and approved.

S.No	Particulars	Number of slides	S.No.	Particulars	Number of slides
1.	Contents	01	8.	Evaluation Parameters	01-02
2.	Introduction	02-03	9.	Plan of work	01
3.	Literature survey	02-03	10.	Gantt Chart	01
4.	Rationale	01	11.	Requirement	01-03
5.	Hypothesis	01	12.	Project Cost (Budget)	01
6.	Aim &	01	13.	References	01-03

h

Dr. Rohit Bhatia	Associate Professor
Dr. Amandeep Singh	Associate Professor
Dr. Naresh Rangra	Associate Professor
Dr. Vivek Asati	Associate Professor
Dr. Ranjeet Kumar	Associate Professor
Dr. Ankit Awasthi	Associate Professor
Dr. Shubham Thakur	Associate Professor
Dr. Navjor Kaur	Associate Professor
Mr. Tanmay M	Associate Professor
Mr. Gurmeet Singh	Associate Professor
Dr. Shamsher Singh	Professor & HOD

Prof. (Dr.) G.D. Gupta

Director-cum-Principal

Convener : ICS2026

ISF College of Pharmacy (An Autonomous College)

NAAC Accredited "A" Grade

Moga-142001, Punjab, India

Website : www.isfcp.org Email : director@isfcp.orgORCID : <https://orcid.org/0000-0002-5377-1082>



IQAC ISFCP <lqac@isfcp.org>

Notice

Dr. G. D. Gupta <drgdg@isfcp.org> Sat, Mar 9, 2024 at 1:52 PM
 To: "Dr. G. D. Gupta" <drgdg@isfcp.org>, "Dr. Raj Kumar Narang" <drrkn@isfcp.org>, "Dr. G. S. Sarma" <gssama@isfcp.org>, "Dr. Sidharth Mehan" <sidhart1mehan@isfcp.org>, IQAC ISFCP <lqac@isfcp.org>, "Dr. Shamsher Singh" <shamshersingh@isfcp.org>, Balak Das Kurmi <balakdaskurmi@isfcp.org>, "Dr. Sourabh Kosey" <sourabh@isfcp.org>, Dr Manish Kumar <manish@isfcp.org>, "Dr. Kalicharan Sharma" <kalicharan@isfcp.org>, "Dr. Shammy Jindal" <shammyjindal@isfcp.org>, "Dr. Kamyia Goyal" <kamyagoyal@isfcp.org>, "Dr. Arti Singh" <artisinh@isfcp.org>, Sant Kumar Verma <santkumarverma@isfcp.org>, Preeti Patel <preetipatel@isfcp.org>, Naresh Kumar Rangra <naresh@isfcp.org>, "Dr. Vivek Asati" <vivek.asati@isfcp.org>, Rohit Bhatia <rohit.bhatia@isfcp.org>, "Dr. Amandeep Singh" <amandeepsingh@isfcp.org>, Rajveer Singh <rajveer@isfcp.org>, Shivani Chandel <shivani@isfcp.org>, Ranjeet Kumar <ranjeet@isfcp.org>, ankit awasthi <Awasthiankit458@gmail.com>, Dr Shubham Thakur <shubham@isfcp.org>, "Ms. Navjot Kaur" <navjotkaur@isfcp.org>, Tanmay Markandeywar <lanmay.m@isfcp.org>, "Mr. Gurmeet Singh" <gurmeetsingh@isfcp.org>
 Cc: "Dr. GD Gupta" <director@isfcp.org>

Notice

Following faculty members are hereby informed to attend the meeting of RDC/RAC/IQAC.
 Date: 09-03-2024
 Time: 4:00 pm
 Venue: Conference room, Administrative Block

Dr. G.D. Gupta	Director-cum-Principal
Dr. R.K. Narang	Vice-Principal
Dr. G.S.Sarma	Professor
Dr. Sidharth Mehan	Professor
Dr. Balak Das Kurmi	Professor & HOD
Dr. Manish Kumar	Professor & HOD
Dr. Sourabh Kosey	Professor & HOD
Dr. Kalicharan	Professor
Dr. Kamyia Goyal	Professor
Dr. Shammy Jindal	Professor
Dr. Sant Kumar Verma	Associate Professor & HOD
Dr. Rajveer Singh	Associate Professor & HOD
Dr. Preeti Patel	Associate Professor
Dr. Arti Singh	Associate Professor
Dr. Shivani Chandel	Associate Professor

Director-cum-Principal
 ISF College of Pharmacy
 An Autonomous College
 Moga 142001 (Pun.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA
Approve by PCI & Govt. of Punjab
Affiliated to I.K. Gujral Punjab Technical University, Jalandhar (Pb.)



RESEARCH ADVISORY COMMITTEE (RAC)

Attendance

20th Research Advisory Committee meeting was held on 09-03-2024 at 4:00 pm in the mini-auditorium under the chairmanship of Prof. (Dr.) G.D.Gupta.

Following members were present in the meeting:

Name	Designation	Nature	Signature
Dr. G.D. Gupta	Director-cum-Principal	Chairman	
Dr. R.K. Narang	Vice-Principal	Member Secretary	
Dr. G.S.Sarna	Professor	Member	
Dr. Sidharth Mehan	Professor	Member, Coordinator, IQAC	
Dr. Balak Das Kurni	Professor & HOD	Member	
Dr. Manish Kumar	Professor & HOD	Member	
Dr. Sourabh Kosey	Professor & HOD	Member	
Dr. Kalicharan	Professor	Member	
Dr. Kanya Goyal	Professor	Member	
Dr. Shammy Jindal	Professor	Member	
Dr. Sant Kumar Verma	Associate Professor & HOD	Member	
Dr. Rajveer Singh	Associate Professor & HOD	Member	
Dr. Preeti Patel	Associate Professor	Member	
Dr. Arti Singh	Associate Professor	Member	
Dr. Shivani Chandel	Associate Professor	Member	
Dr. Rohit Bhatia	Associate Professor	Member	
Dr. Amandeep Singh	Associate Professor	Member	
Dr. Naresh Rangra	Associate Professor	Member	
Dr. Vivek Asati	Associate Professor	Member	
Dr. Ranjeet Kumar	Associate Professor	Member	
Dr. Ankit Awasthi	Associate Professor	Member	
Dr. Shubham Thakur	Associate Professor	Member	
Dr. Navjot Kaur	Associate Professor	Member	
Mr. Tanmay M	Associate Professor	Member	
Mr. Gurmeet Singh	Associate Professor	Member	
Dr. Shansher Singh	Professor & HOD	Coordinator	

Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA


Approved by PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



Minutes of the Meeting

The coordinator welcomed all the members of Research Advisory Committee present during the 20th meeting held on 09/03/2024 at 4:00 p.m. in the conference Room, ISFCP, Moga, Punjab and put the agenda for discussion. The following decisions were taken unanimously:

Item No.	Agenda	Decision
20.1	Review of research work – status	<ol style="list-style-type: none">1. Opening Remarks:<ul style="list-style-type: none">- The Chairperson welcomed all members to the meeting and outlined the agenda for discussion.2. Review of Research Work:<ul style="list-style-type: none">- The Chairperson initiated the discussion on the current status of research work within the Pharmacy Institute.- Members presented updates on ongoing research projects, highlighting key findings, challenges, and future directions.- Emphasis was placed on the significance of interdisciplinary collaboration and leveraging external partnerships to enhance research outcomes.3. Evaluation of Research Outputs:<ul style="list-style-type: none">- Members deliberated on the quality and impact of research outputs produced by the institute, including publications, patents, and collaborations.- Strategies to increase the visibility and dissemination of research outcomes were explored, including participation in conferences, workshops, and networking events.4. Identification of Research Priorities:<ul style="list-style-type: none">- The board identified key research areas and priorities based on emerging trends, societal needs, and funding opportunities.- Consideration was given to aligning research objectives with institutional goals and the broader healthcare landscape.5. Support Mechanisms for Researchers:<ul style="list-style-type: none">- Discussions centered on enhancing support mechanisms for researchers, including access to funding, resources, and mentorship opportunities.- Members proposed initiatives to foster a conducive research environment, such as establishing research clusters and facilitating interdisciplinary collaboration.6. Action Items:<ul style="list-style-type: none">- The board agreed on the following action items:<ul style="list-style-type: none">- Conduct a comprehensive review of existing research infrastructure and resources.- Develop a roadmap for enhancing research capacity and


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]


GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



		events. 9. Awards Consideration: - The board considered nominations for various awards recognizing outstanding contributions in research and academia. After careful evaluation, individuals were selected for nomination.
20.3	Laboratory work and evaluation	<p>1. Review of Current Laboratory Practices: The board discussed the existing laboratory practices for Ph.D. and M.Pharm programs at the Pharmacy Institute. Various aspects including equipment availability, safety protocols, and student supervision were reviewed thoroughly.</p> <p>2. Identification of Areas for Improvement: Several areas for improvement were identified through group discussion. These included: - Enhancing the availability of advanced equipment for research purposes. - Strengthening safety protocols to ensure the well-being of students and staff. - Providing additional training and support for students undertaking laboratory work. - Improving the evaluation methods for laboratory work to ensure comprehensive assessment.</p> <p>3. Decision Making: After careful consideration and deliberation, the following decisions were made: - To allocate funds for the procurement of advanced laboratory equipment, as per the recommendations provided by the laboratory experts. - To establish a dedicated safety committee tasked with reviewing and updating safety protocols regularly. - To develop a structured training program for students involved in laboratory work, covering both theoretical knowledge and practical skills. - To form a subcommittee to revise the evaluation criteria for laboratory work, ensuring alignment with academic standards and program objectives.</p> <p>4. Assigning Responsibilities: The board assigned specific responsibilities to relevant individuals or committees to ensure the timely implementation of decisions: - The finance department was tasked with the procurement of necessary laboratory equipment within the allocated budget. - The safety committee was assigned the responsibility of drafting updated safety protocols, to be reviewed and approved by the board. - The academic affairs department was entrusted with developing the training program for students, in</p>


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



		<p>capability within the institute.</p> <ul style="list-style-type: none"> - Explore avenues for securing external funding and establishing strategic partnerships. - Facilitate knowledge exchange and collaboration among researchers through seminars, workshops, and networking events. <p>7. Next Steps:</p> <ul style="list-style-type: none"> - The Chairperson concluded the meeting by summarizing key decisions and action items. - Members were encouraged to actively participate in the implementation of agreed-upon initiatives and to provide regular updates on progress.
20.2	<p>Publication, Patent, Design patent, Copyright, Conference, FDP, Seminar, Any award etc.</p>	<p>1. Opening Remarks:</p> <ul style="list-style-type: none"> - The Chairperson called the meeting to order and welcomed all members of the Research Advisory Board (RAB). <p>2. Approval of Previous Minutes:</p> <ul style="list-style-type: none"> - The minutes of the previous meeting were reviewed and approved unanimously. <p>3. Discussion on Publications:</p> <ul style="list-style-type: none"> - Members discussed ongoing research projects and the status of pending publications. It was noted that specific projects are near completion and will be submitted for publication. <p>4. Patent Proposals and Design Patent Applications:</p> <ul style="list-style-type: none"> - The board reviewed the patent proposals and design patent applications received since the last meeting. After thorough deliberation, it was decided to proceed with patent applications and design patent applications. The necessary steps will be taken to expedite the process. <p>5. Copyright Issues:</p> <ul style="list-style-type: none"> - Members addressed any copyright concerns raised regarding existing or forthcoming publications. The importance of adherence to copyright laws and proper citation practices was emphasized. <p>6. Conference Planning:</p> <ul style="list-style-type: none"> - Plans for upcoming conferences were discussed, including topics, speakers, and logistics. It was agreed to finalize the conference schedule and begin promotional activities. <p>7. Faculty Development Programs (FDP):</p> <ul style="list-style-type: none"> - The board reviewed proposals for FDPs aimed at enhancing the skills and knowledge of faculty members. FDPs were approved for implementation based on their relevance and potential impact. <p>8. Seminar Arrangements:</p> <ul style="list-style-type: none"> - Arrangements for upcoming seminars were discussed, including guest speakers and topics. The necessary arrangements will be made to ensure the success of these

[Signature]
 Director-cum-Principal
 ISF College of Pharmacy
 (An Autonomous College)
 Moga 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



		<p>consultation with faculty members.</p> <ul style="list-style-type: none"> - The subcommittee for evaluation criteria was formed, comprising faculty members and academic experts, to propose revised evaluation methods for laboratory work. <p>5. Next Steps and Timeline: The board agreed upon the following timeline for implementation:</p> <ul style="list-style-type: none"> - Equipment procurement, Safety protocol review, Training program development, Evaluation criteria revision.
20.4	M.Pharm practicals, Assignments, J-Club etc.	<p>1. M.Pharm Practical Sessions:</p> <ul style="list-style-type: none"> - It was decided to assess the current practical sessions in the M.Pharm program to ensure they align with the learning objectives and provide hands-on experience relevant to the field. - Action Item: Chairperson to appoint a subcommittee to review and propose necessary updates to the practical curriculum. <p>2. M.Pharm Assignments:</p> <ul style="list-style-type: none"> - The board agreed to enhance the variety and depth of assignments given to M.Pharm students, emphasizing critical thinking and practical application of theoretical knowledge. - Action Item: Members to submit suggestions for new assignment topics and formats by [deadline]. <p>3. J-Club Activities:</p> <ul style="list-style-type: none"> - The board discussed the importance of the Journal Club (J-Club) in promoting research culture among students and faculty. - It was decided to diversify J-Club activities to include guest lectures, journal article presentations, and discussions on emerging trends in pharmacy research. - Action Item: Secretary to compile a list of potential guest speakers and topics for upcoming J-Club sessions. <p>**Next Steps:**</p> <p>1. Subcommittee to review M.Pharm practical sessions and propose updates submit suggestions for new assignment topics and formats.</p> <p>3. Secretary to compile a list of potential guest speakers and topics for J-Club sessions.</p> <p>4. Schedule the next RAC meeting to review progress and the meeting commenced with Chairperson presiding over the session. The primary agenda was to deliberate on the allocation of seed money for research proposals within the Pharmacy Institute.</p> <p>Seed money allocated for research project of M.Pharm/Ph.D/Industrial Project/Idea etc. Maximum budget for a year will be rupees 25 Lakhs. Final</p>
20.5	Seed money for research proposal	<p>The meeting commenced with Chairperson presiding over the session. The primary agenda was to deliberate on the allocation of seed money for research proposals within the Pharmacy Institute.</p> <p>Seed money allocated for research project of M.Pharm/Ph.D/Industrial Project/Idea etc. Maximum budget for a year will be rupees 25 Lakhs. Final</p>

Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
MOGA-142001 (PB)

GT Road, Ghal Kalan, MOGA - 142 001 (Punjab) India

Mob.: 087250-55460, 55462, 098786-96688, 081465-62883 E-mail: director@isfcp.org, Website: www.isfcp.org



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]


GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



		<p>approval for the proposal will be allocated after approval by RAB committee and BoG.</p> <p>Key Points Discussed:</p> <ol style="list-style-type: none">1. Review of Research Proposals: The board reviewed the submitted research proposals and assessed their alignment with the institute's research priorities and potential impact in the field of pharmacy.2. Allocation of Seed Money: After careful consideration and deliberation, the board decided to allocate seed money to the following research proposals:3. Criteria for Allocation: The decision on allocating seed money was based on factors such as the feasibility and innovation of the proposed research, potential for generating significant findings, and alignment with the institute's strategic objectives.4. Conditions and Timeline: The board discussed the conditions associated with the allocation of seed money, including reporting requirements, milestones, and timelines for the completion of the research projects.5. Future Funding Opportunities* In addition to the seed money allocated in this meeting, the board discussed the possibility of future funding opportunities and encouraged researchers to continue developing innovative proposals for consideration. <p>Decisions Made:</p> <ul style="list-style-type: none">- Researchers are required to adhere to the specified conditions and timelines associated with the allocation of seed money. <p>Next Steps:</p> <ul style="list-style-type: none">- Researchers whose proposals have been allocated seed money are required to initiate their research projects in accordance with the agreed-upon timelines and reporting requirements.- The board will reconvene to review the progress of the funded research projects and explore further funding opportunities for innovative proposals.
20.6	Conference/Seminar/Symposium attending registration and nominal amount for transport etc.	<p>The agenda item under discussion was the registration for conferences, seminars, and symposiums, along with the allocation of a nominal amount for transportation for faculty members.</p> <p>It was decided to provide the facility to faculty members for updation of their knowledge to attend National/International conferences.</p> <p>In a year, maximum budget allocated for National/International conferences Rs. 2.5 Lakhs in the divided form on the basis of the value of conference and purpose: Only attending/Presenting paper/Resource Person etc.</p>


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College-1)
MOGA 142001 (Pb.)

GT Road, Ghal Kalan, MOGA - 142 001 (Punjab) India

Mob.: 087250-55460, 55462, 098786-96688, 081465-62883 E-mail: director@isfcp.org, Website: www.isfcp.org



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



Application will be forwarded by the Director and fund will allocated by the management.

Discussion Points:

1. Registration Process: The board discussed the current registration process for faculty members attending conferences, seminars, and symposiums. It was noted that the existing procedure needed streamlining to ensure efficiency and transparency.

2. Nominal Amount for Transport: There was a discussion regarding the allocation of a nominal amount to cover transportation costs for faculty members attending academic events. Various suggestions were considered to determine the appropriate amount that would adequately support faculty members without burdening the institute's budget.

3. Budget Considerations: The board reviewed the budgetary implications of providing transportation support to faculty members. Concerns were raised regarding the allocation of funds and the necessity of maintaining fiscal responsibility while still promoting academic engagement.

Decisions:

After thorough deliberation, the following decisions were reached:

1. Registration Process: It was decided to streamline the registration process by establishing a centralized system that allows faculty members to submit their requests for attending conferences, seminars, and symposiums. The system will ensure prompt approval and clear communication regarding registration status.

2. Nominal Amount for Transport: A nominal amount of will be allocated for transportation support to faculty members attending academic events. This amount is deemed sufficient to cover reasonable transportation expenses without overburdening the institute's budget.

3. Budget Allocation: The finance department will allocate funds specifically for faculty transportation support within the annual budget. Regular reviews will be conducted to ensure that the allocated funds are utilized effectively and responsibly.

Action Items:

1. The administrative staff will initiate the implementation of the centralized registration system for faculty members attending academic events.

2. The finance department will allocate the designated funds for faculty transportation support and ensure proper budget management.

3. Regular updates on the utilization of allocated funds and the effectiveness of the new registration process will be provided in subsequent RAB meetings.

Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]


GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



<p>20.7</p>	<p>Strengthen of UG and PG laboratory budget</p>	<p>Discussion Points:</p> <ol style="list-style-type: none">1. Current Budget Analysis:<ul style="list-style-type: none">- The Secretary presented a detailed overview of the current budget allocation for the undergraduate and postgraduate laboratories.- Discussion ensued regarding the adequacy of the existing budget to meet the requirements of both UG and PG laboratories.2. Identification of Needs:<ul style="list-style-type: none">- Members deliberated on the specific needs of both UG and PG laboratories to ensure optimal functionality and provision of necessary resources.- Identified areas included equipment upgrades, consumables, maintenance costs, and additional facilities required to enhance the learning experience for students.3. Budget Enhancement Strategies:<ul style="list-style-type: none">- Various strategies were proposed to augment the existing budget.- Suggestions included seeking additional funding from external sources, optimizing resource utilization, and exploring partnerships with industry stakeholders.4. Prioritization of Expenditure:<ul style="list-style-type: none">- The board discussed the prioritization of expenditures based on critical needs and potential impact on student learning outcomes.- Emphasis was placed on ensuring equitable allocation of resources between UG and PG laboratories.5. Long-term Sustainability:<ul style="list-style-type: none">- Consideration was given to strategies for ensuring the long-term sustainability of laboratory budgets beyond immediate enhancements.- Suggestions included establishing a dedicated fund or endowment, fostering collaborations with alumni, and integrating budget planning into long-term institutional strategies. <p>Decisions Taken:</p> <ol style="list-style-type: none">1. The Research Advisory Board (RAB) unanimously agreed on the necessity to enhance the budget allocation for both UG and PG laboratories to ensure the provision of high-quality education and research facilities.2. It was decided to prioritize expenditures based on critical needs, with a focus on equipment upgrades, maintenance, and procurement of essential consumables.3. The board tasked the Secretary with formulating a detailed budget enhancement proposal, outlining specific requirements and strategies for implementation.4. Members agreed to explore opportunities for securing additional funding through external grants, industry partnerships, and alumni contributions.
-------------	--	--


Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



		<p>2. Communication Plan: A communication plan will be developed to inform faculty members, students, and administrative staff about the approved revisions to the academic calendar and any associated changes.</p> <p>3. Implementation Timeline: The implementation of the revised academic calendar will commence [Specify Start Date] to ensure adequate time for preparation and transition.</p> <p>4. Monitoring and Evaluation: A mechanism for monitoring and evaluating the effectiveness of the revised academic calendar will be established to identify any further adjustments or improvements that may be required.</p> <p>5. Resource Allocation: Necessary resources, including faculty support, infrastructure, and administrative assistance, will be allocated to support the successful implementation of the revised academic calendar.</p> <p>Action Items:</p> <ol style="list-style-type: none"> 1. Secretary to draft a formal communication outlining the approved revisions to the academic calendar and circulate it to all stakeholders. 2. Chairperson to oversee the development of a detailed implementation plan, including specific tasks, timelines, and responsibilities. 3. Members to actively engage with faculty members, students, and administrative staff to address any concerns or questions regarding the revised academic calendar.
20.9	New practical design	<p>1. Opening Remarks: The Chairperson called the meeting to order at [Time] and welcomed all members of the Research Advisory Committee (RAC) present.</p> <p>2. Approval of Agenda: The agenda for the meeting, focusing on the discussion of the new practical design for B.Pharm and M.Pharm courses, was approved unanimously.</p> <p>3. Presentation of Proposed Practical Design: Faculty members presented the proposed practical design for both B.Pharm and M.Pharm courses. The presentation highlighted the objectives, structure, and anticipated outcomes of the proposed practical components.</p> <p>4. Discussion:</p> <ol style="list-style-type: none"> a. Members engaged in a comprehensive discussion regarding the feasibility and efficacy of the proposed practical design. b. Various aspects such as resource allocation, faculty expertise, infrastructure requirements, and alignment with accreditation standards were thoroughly deliberated upon. c. Suggestions were offered to enhance the practical components, including incorporating industry-relevant exercises, promoting interdisciplinary collaboration, and


 Director-cum-Principal
 ISF College of Pharmacy
 (An Autonomous College)
 Moga 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



ensuring scalability and sustainability of the proposed model.

5. Decision:

After thorough deliberation and considering all inputs, the Research Advisory Committee (RAC) made the following decisions:

-The proposed practical design for B.Pharm and M.Pharm courses is approved in principle, pending further refinement based on the suggestions provided.

- A subcommittee comprising [Names] is formed to collaborate with faculty members and stakeholders to refine and finalize the practical components in line with the discussed recommendations.

-The subcommittee is tasked with presenting the finalized practical design at the next RAC meeting for formal approval.

6. Action Items:

a. Coordinator advised to circulate the minutes of this meeting to all members for review and feedback.

b. Subcommittee members to commence work on refining the practical design based on the discussed recommendations.

c. Chairperson to schedule the next RAC meeting for the presentation and formal approval of the finalized practical design.

The Chairperson thanked all members for their active participation and constructive contributions to the meeting.

20.10

Innovation and entrepreneurship

The meeting was called to order by the Chairperson. The Chairperson welcomed all attendees and thanked them for their participation.

The Chairperson initiated the discussion on the agenda item concerning the integration of innovation and entrepreneurship components into the B.Pharm, M.Pharm, and Ph.D. courses offered by the Pharmacy Institute. The members engaged in an extensive discussion covering various aspects such as curriculum enhancement, practical training opportunities, industry collaborations, and support mechanisms for budding entrepreneurs within the institute.

1. Decision Making:

After thorough deliberation, the Research Advisory Board reached the following decisions:

- Curriculum Enhancement: It was agreed upon to revise the existing course curriculum to include dedicated modules focusing on innovation and entrepreneurship. These modules will be integrated into the syllabi of B.Pharm, M.Pharm, and Ph.D. courses.

- Practical Training: The institute will establish partnerships with relevant industries and organizations to provide practical training opportunities for students in

Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
Moga 142001 (P.L.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA – 142 001 (Punjab) INDIA
Approved by PCI & Govt. of Punjab



Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)

		<p>5. The Secretary was entrusted with the responsibility of investigating long-term sustainability measures for laboratory budgets and presenting recommendations at the next meeting.</p> <p>Action Items:</p> <ol style="list-style-type: none"> 1. The Secretary to prepare a comprehensive budget enhancement proposal outlining specific requirements for UG and PG laboratories. 2. Members to explore potential funding opportunities through external grants, industry partnerships, and alumni contributions. 3. The Secretary to research and present long-term sustainability measures for laboratory budgets at the next RAC meeting.
<p>20.8</p>	<p>Implementation of Academic calendar</p>	<p>Discussion Summary:</p> <p>The Research Advisory Committee (RAC) convened to discuss the implementation of the Academic Calendar at the Pharmacy Institute. The following points were deliberated:</p> <ol style="list-style-type: none"> 1. Review of Current Calendar: The existing academic calendar was reviewed to identify any shortcomings or areas for improvement. 2. Proposed Changes: Several proposed changes to the academic calendar were discussed, including adjustments to the start and end dates of the academic year, scheduling of examinations, and allocation of study breaks. 3. Feedback from Stakeholders: Input from faculty members, students, and administrative staff regarding the current calendar and proposed changes were considered. 4. Impact on Research Activities: The potential impact of the revised academic calendar on research activities within the institute was assessed, including implications for research timelines, project deadlines, and funding cycles. 5. Resource Allocation: Discussions were held regarding the allocation of resources necessary to support the implementation of the revised academic calendar, including faculty workload, infrastructure requirements, and administrative support. 6. Timeline for Implementation: A timeline for the implementation of the revised academic calendar was proposed, taking into account the need for consultation with relevant stakeholders, coordination with other academic institutions, and logistical arrangements. <p>Decisions Made:</p> <p>After thorough deliberation, the following decisions were reached by the Research Advisory Committee:</p> <ol style="list-style-type: none"> 1. Approval of Revised Academic Calendar: The proposed changes to the academic calendar were approved, including adjustments to the start and end dates of the academic year, scheduling of examinations, and allocation of study breaks.


 Director-cum-Principal
 ISF College of Pharmacy
 [An Autonomous College]
 MOGA 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]


GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb)



		<p>entrepreneurial skills and innovation.</p> <ul style="list-style-type: none"> - Incubation Support: A dedicated incubation center will be set up within the institute premises to support and nurture entrepreneurial endeavors of students and faculty members. - Mentorship Program: A mentorship program will be initiated to connect aspiring student entrepreneurs with experienced mentors from the industry. <p>Action Items:</p> <ol style="list-style-type: none"> 1. The curriculum committee to commence work on the revision of course modules. 2. The administration to initiate discussions with potential industry partners for practical training collaborations. 3. Establishment of the incubation center to be coordinated by MSME project holders. 4. The mentorship program to be outlined and communicated to all stakeholders.
20.11	Any other with the permission of chair	<p>Agenda:</p> <ol style="list-style-type: none"> 1. Strengthening Research Consultancy for Faculty Members <p>Proceedings:</p> <p>Chairperson welcomed all members and expressed gratitude for their presence. The importance of enhancing research consultancy for faculty members was emphasized as a key agenda item.</p> <ol style="list-style-type: none"> 2. Discussion on Strengthening Research Consultancy: <p>The floor was opened for discussions regarding strategies to bolster research consultancy services for faculty members within the Pharmacy Institute. Various suggestions and viewpoints were put forward, including:</p> <ul style="list-style-type: none"> - Offering specialized training sessions or workshops to equip faculty members with necessary research skills. - Establishing a dedicated research support center within the Institute to provide guidance and resources. - Encouraging collaboration and networking among faculty members to foster interdisciplinary research. - Allocating funds for research initiatives and consultancy projects. - Implementing mentorship programs pairing experienced researchers with junior faculty members. - Developing clear guidelines and procedures for accessing research consultancy services. <ol style="list-style-type: none"> 3. Decision: <p>After thorough deliberation, the following decisions were made.</p> <ul style="list-style-type: none"> - To initiate the development of specialized training programs tailored to the research needs of faculty members. The Curriculum Development Committee is tasked with outlining the content and structure of these programs. - To explore the feasibility of establishing a research support center within the Institute. A subcommittee comprising


 Director-cum-Principal
 ISF College of Pharmacy
 (An Autonomous College)
 MOGA 142001 (Pb)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]

GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab

Affiliated to IK Gujral Punjab Technical University, Jalandhar (Pb.)



		<p>interested members will be formed to conduct a feasibility study and present findings in the next meeting.</p> <ul style="list-style-type: none"> - To allocate a portion of the research budget towards funding consultancy projects initiated by faculty members. Guidelines for accessing these funds will be drafted by the Finance Committee. - To encourage the formation of research collaboration groups among faculty members. The Research Support Office will facilitate the creation of these groups and provide necessary resources. <p>4. Next Steps:</p> <p>The respective committees and subcommittees are assigned the following tasks:</p> <ul style="list-style-type: none"> - Curriculum Development Committee: Develop specialized training programs for faculty members. - Subcommittee on Research Support Center: Conduct a feasibility study and present findings. - Finance Committee: Draft guidelines for accessing research funds. - Research Support Office: Facilitate the formation of research collaboration groups.
--	--	--

Director-cum-Principal
ISF College of Pharmacy
(An Autonomous College)
MOGA 142001 (Pb.)



ISF College of Pharmacy (An Autonomous College)

[NAAC Accredited "A" Grade College]
GT Road, Ghal-Kalan, MOGA - 142 001 (Punjab) INDIA

Approved by PCI & Govt. of Punjab
Affiliated to IK Gujral Punjab Technical University, Jalandhar (Ph.)



Meeting was ended with vote of thanks to Chair and all members.

Dr. G.D. Gupta

Dr. R.K. Narang

Dr. G.S. Sarma

Dr. Sidharth Mehan

Dr. Bafak Das Kurmi

Dr. Manish Kumar

Dr. Sourabh Kosey

Dr. Kalicharan

Dr. Kanya Goyal

Dr. Shammy Jindal

Dr. Sant Kumar

Dr. Rajveer Singh

Dr. Preeti Patel

Dr. Arti Singh

Dr. Shivani Chandel

Dr. Rohit Bhatia

Dr. Amandeep Singh

Dr. Naresh Rangra

Dr. Vivek Asati

Dr. Ranjeet Kumar

Dr. Ankil Awasthi

Dr. Shubham Thakur

Dr. Navjot Kaur

Mr. Tanmay M

Mr. Gurmeet Singh

Dr. Shamsheer Singh



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
A State University Established Under Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997)
Office of Dean (Research & Development)

Ref. No. I.K.G.P.T.U./R&D/4201

Dated. 29/05/2024

Prof. (Dr.) G.D. Gupta
Director,
ISF College of Pharmacy,
Moga – 142001 (Punjab).

Subject: Regarding access to anti-plagiarism tool by I.K. Gujral Punjab Technical University.

Sir,

This is in the reference to your letter reference number ISFCP/2024/2551 dated 23-05-2024, i would like to submit that the I.K. Gujral Punjab Technical University provides access of the anti-plagiarism tool (Turnitin) for its Ph.D. students and approved Ph.D. supervisors from University campuses and affiliated colleges, including ISF College of Pharmacy, Moga for checking the originality of research work.

The use of the anti-plagiarism tool (Turnitin) is in compliance with the university's policy for maintaining academic integrity.

Thanking you,

Dean (R&D)

“Propelling Punjab to a prosperous Knowledge Society”

I.K. Gujral Punjab Technical University Jalandhar
Jalandhar-Kapurthala Highway, Kapurthala -144 603. Phone : 01822-282569, 282572
Website : www.ptu.ac.in E-mail : deanric@ptu.ac.in, dean_rd@ptu.ac.in



ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

PLAGIARISM CHECK THROUGH SOFTWARE

Yes, our institute has the software for the checking of plagiarism for both post-graduate and Ph.D. theses and other activities related to the research (research/review articles/ Book Chapters, etc.). The software (**TURNITIN**) is provided to the Research Guides which are approved by the affiliating university i.e. I.K. Gujral Punjab Technical University, Jalandhar. Below finds the detailed copy of the software with the affiliated university name and research guides login.

(Details of TURNITIN Software for Plagiarism)

Dr G D Gupta

Dr. Ghandhyan Das Gupta | User Info | Messages (2 new) | Instructor | English (International) | Community | Help | Logout

turnitin

All Classes | Join Account (TA)

NOW VIEWING HOME

Turnitin will have a scheduled system maintenance April 20 07:00 – 12:00 PDT (for local time zone please click: Time zone converter). Due to the maintenance, Turnitin may have disruptions in service between those times.

As of March 5th, the instructor and Student user experience, within Turnitin.com, will be updated to provide a streamlined assignment workflow paving the way for future enhancements and features. Check out this self-guided demo

About this page

This is your instructor homepage. To create a class, click the "Add Class" button. To display a class's assignments and papers, click the class's name.

I. K. Gujral Punjab Technical University

+ Add Class

All Classes | Expired Classes | Active Classes

All of your classes have expired. To view and update your expired classes, select the "expired classes" tab. You can update and change a class's end date by clicking the class's "edit" icon.

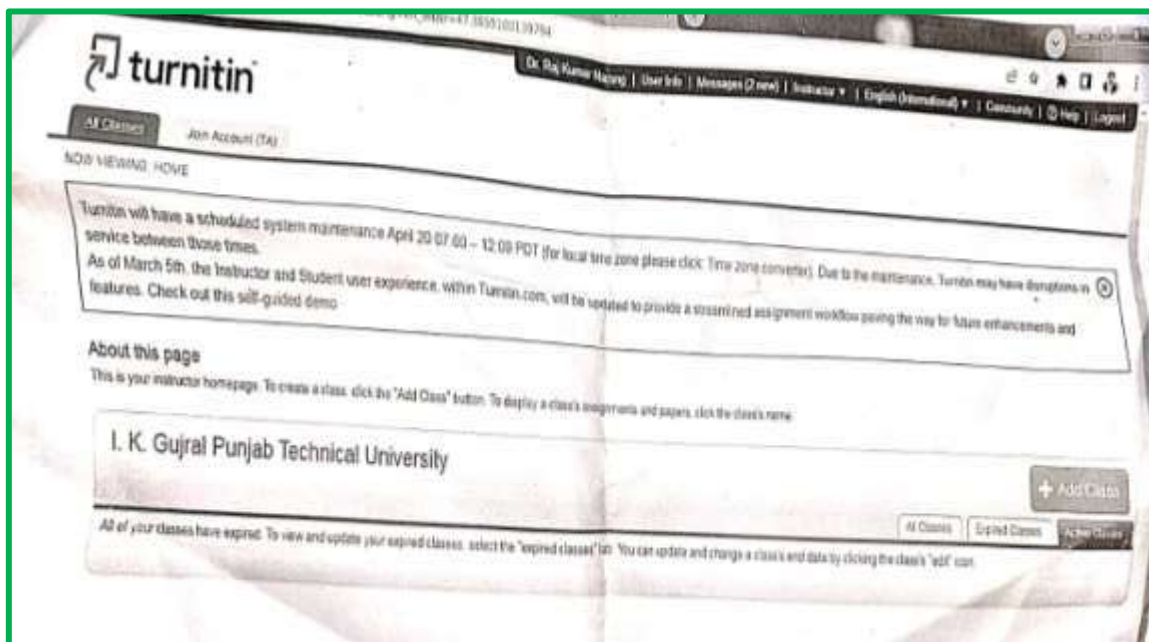


ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

Dr R K Narang



GT Road, Ghal Kalan, MOGA - 142 001 (Punjab) India

Mob.: 087250-55460, 55462, 098786-96688, 081465-62883 E-mail: director@isfcp.org, Website: www.isfcp.org

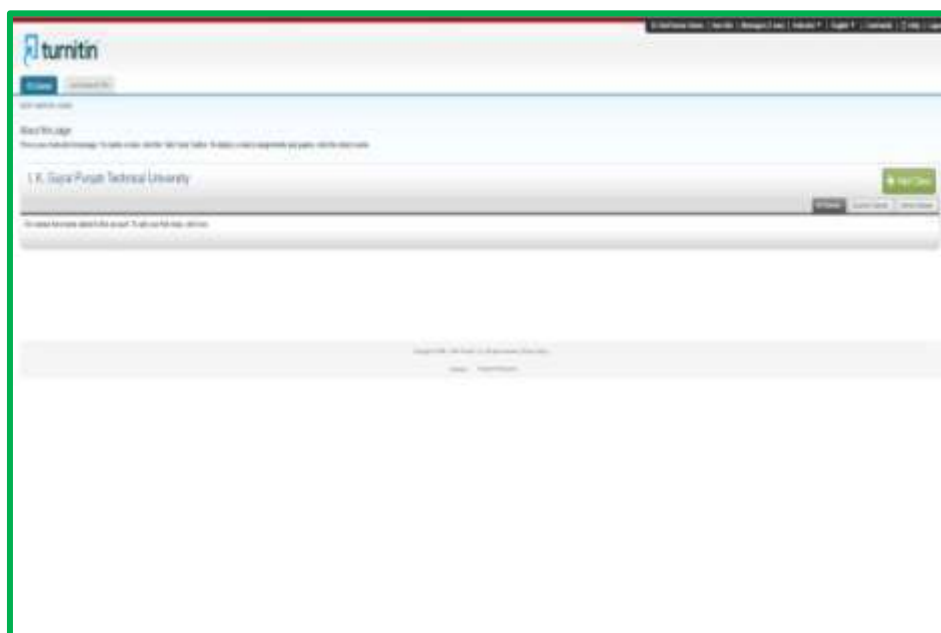


ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to J K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

Dr Sant kumar Verma

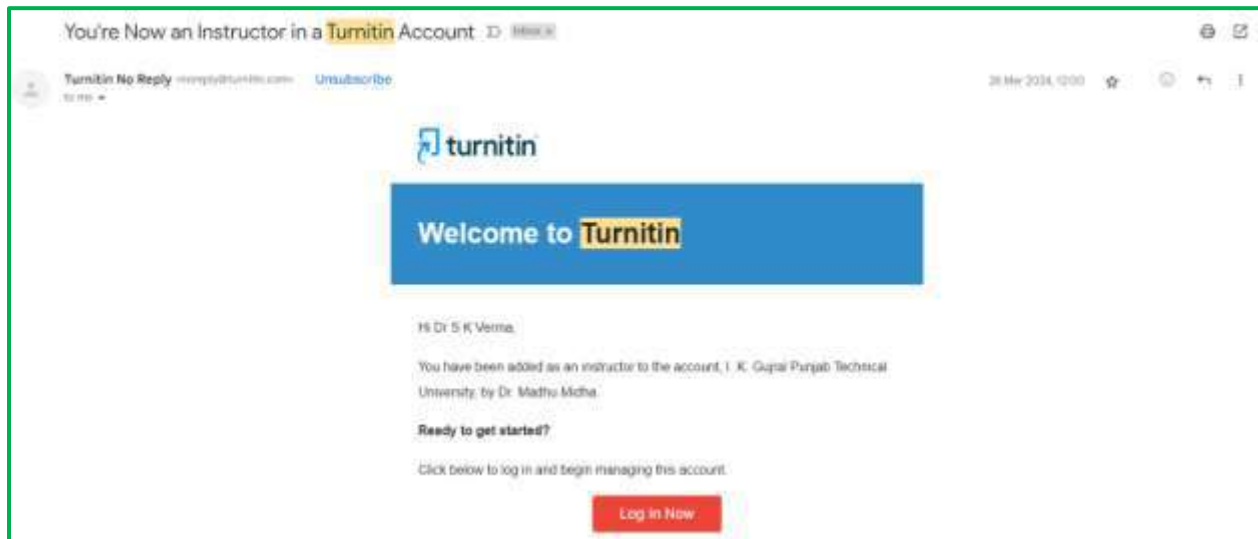




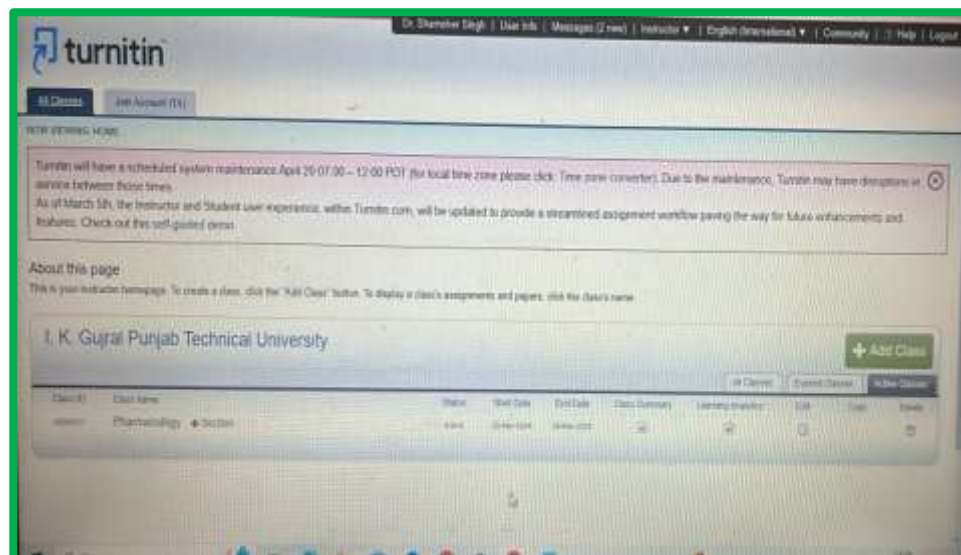
ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)



Dr Shamsheer Singh

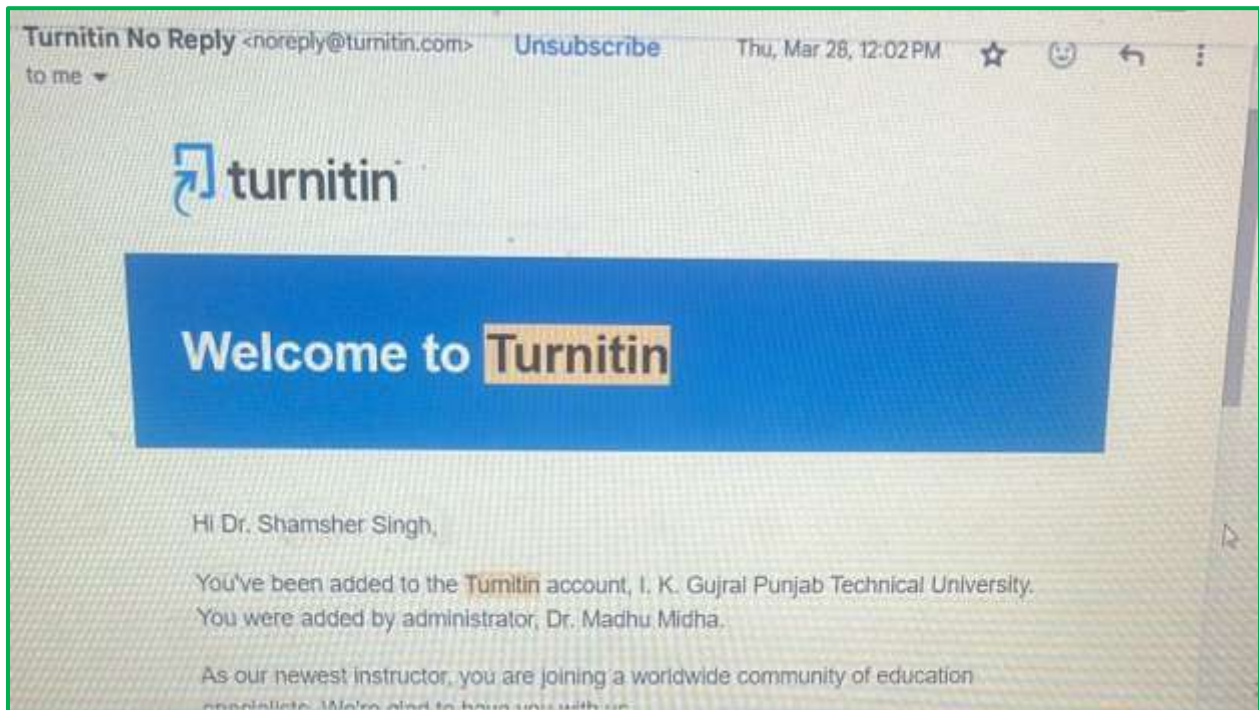




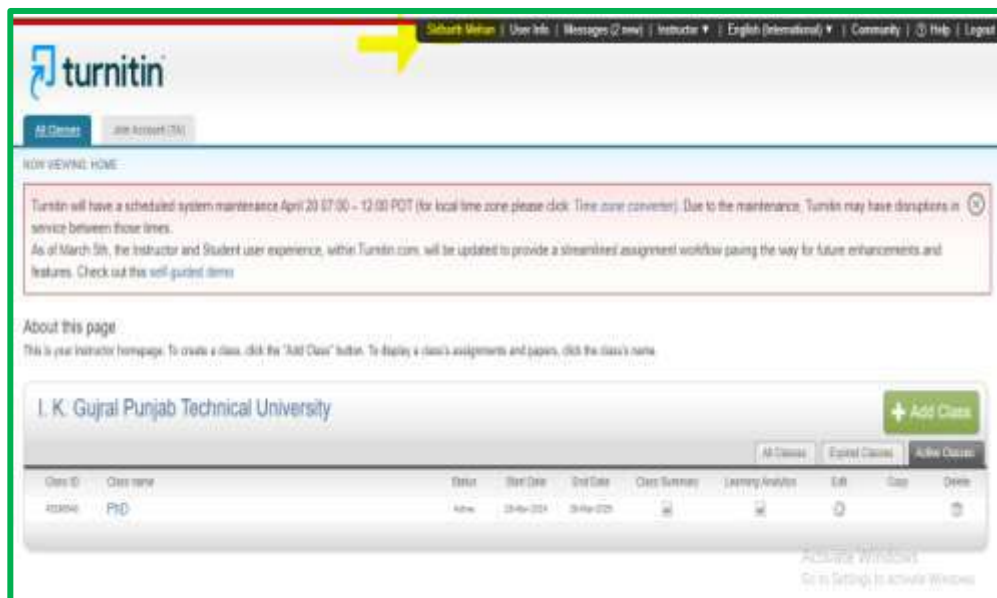
ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)



Dr Sidharth Mehan






ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to I K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

Sidharth Mehan | User Info | Messages | Instructor | English (International) | Community | Help | Logout



All Classes | Join Account (TA)

NOW VIEWING: HOME

About this page
This is your instructor homepage. To create a class, click the "Add Class" button. To display a class's assignments and papers, click the class's name.

I. K. Gujral Punjab Technical University + Add Class

All Classes | Enrolled Classes | Active Classes

Class ID	Class name	Status	Start Date	End Date	Class Summary	Learning Analytics	Edit	Copy	Delete
4029840	PhD	Active	28-Mar-2024	29-Mar-2025					

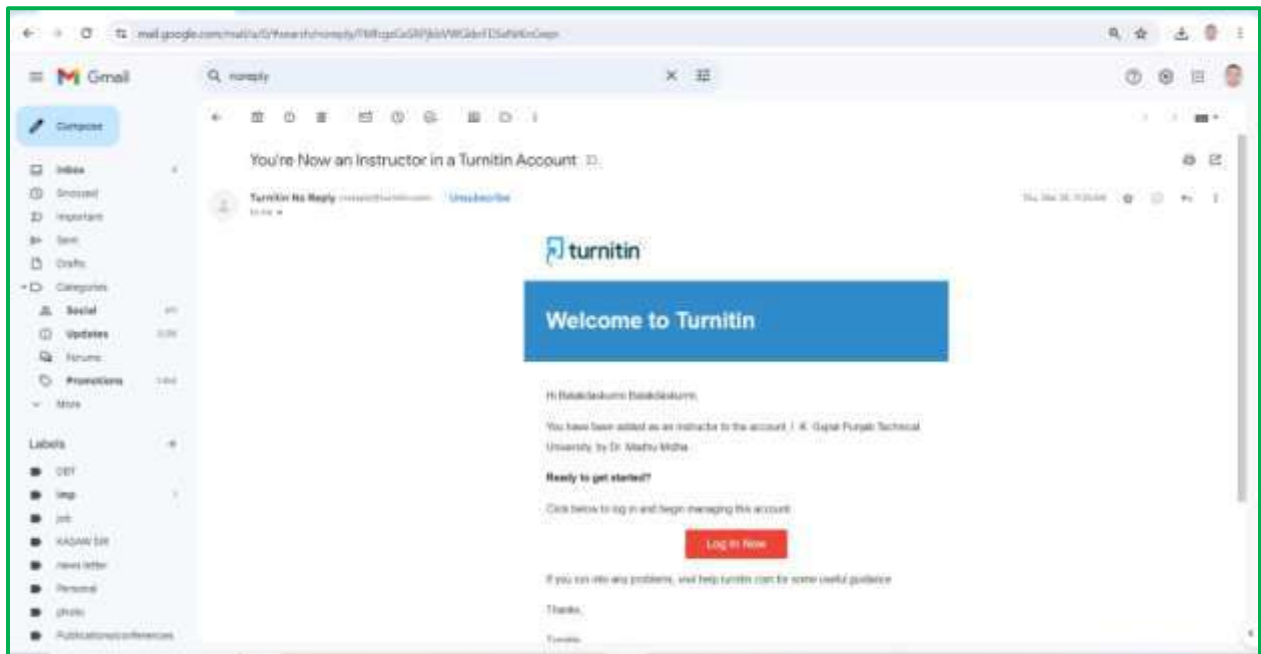


ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to J K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

Dr Balak Das Kurmi



GT Road, Ghal Kalan, MOGA - 142 001 (Punjab) India

Mob.: 087250-55460, 55462, 098786-96688, 081465-62883 E-mail: director@isfcp.org, Website: www.isfcp.org

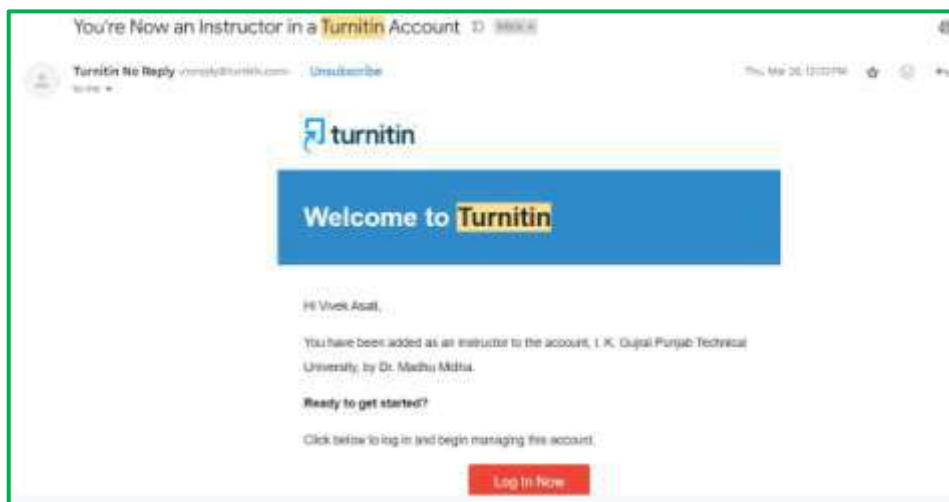


ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to J K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

Dr Vivek Asati



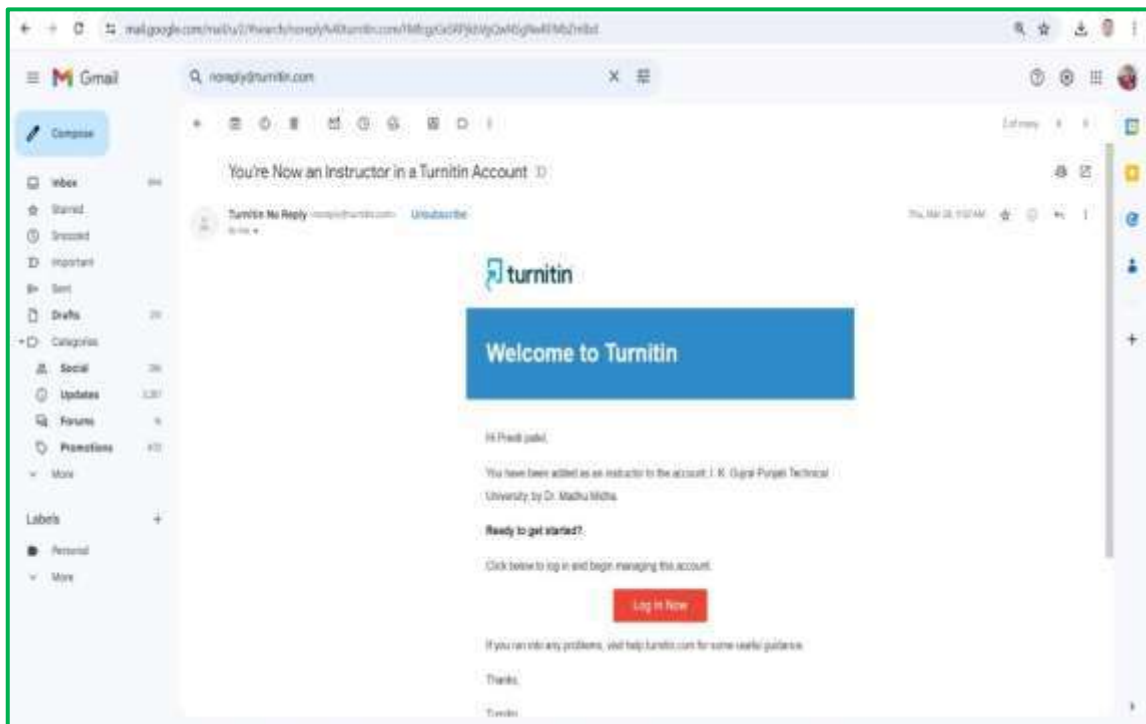


ISF COLLEGE OF PHARMACY

(An Autonomous College U/s UGC Act-1956)

NAAC Accredited "A" Grade College & Analytical Lab by NABL
Approved by AICTE, PCI and Govt. of Punjab, Recognized by UGC under Section 2(f)
Affiliated to J K Gujral Punjab Technical University, Jalandhar and PSBTE & IT, Chandigarh
Ranking : NIRF 2021-29th & ARIIA-Band A (Between 6th to 25th)

Dr Preeti Patel



Prof. (Dr.) G. D. Gupta
Director-cum-Principal