

## **Animal House Facility (As per CPCSEA)**

Animal house facility at ISF College of Pharmacy, Moga, was established in the year 2004. The facility was registered as Small Animal Facility with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Ministry of Environment and Forests, Government of India, New Delhi. All activities related to laboratory animal breeding and research is performed as per the guidelines of CPCSEA, New Delhi (Registration no: 816/PO/ReBiBt/S/04/CPCSEA). The trading facility of small animals is available for carrying out research includes Rats, Mice, Guinea Pigs and Rabbits. Zebra fish laboratory has also been established by Department of Pharmacology in the year 2017.

### **Institutional Animal Ethics Committee**

<b>Name</b>	<b>Position</b>
<b>Prof.(Dr.) G.D. Gupta</b> Director-cum-Principal ISFCP, Moga-142001	Chairman
<b>Dr. Shamsheer Singh</b> Associate Professor & Head Department of Pharmacology ISFCP, Moga-142001	Member Secretary

### **Objectives of IAEC:**

- Every experiment shall be performed by or under the supervision of a person duly qualified in that behalf, that is, Degree holders in Veterinary Science or Medicine or Laboratory Animal Science of a University or an Institution recognized by the Government for the purpose and under the responsibility of the person performing the experiment.
- Experiments are performed with due care and humanity and as far as possible experiments involving operations are performed under the influence of some anaesthetic of sufficient power to prevent the animals from feeling pain.
- Experiments on larger animals are avoided when it is possible to achieve the same results by experiments on small laboratory animals like guinea-pigs, rabbits, mice, rats etc.
- No experiments should be performed merely for the purpose of acquiring manual skill.
- The animals intended for the performance of experiments are properly looked after before, during and after experiments.
- The suitable records are maintained with respect to experiments performed on animals.

### **Activities done by different departments of ISFCP on animals**

Institute is working on animals after approval of research work by Institutional Animal Ethics Committee (IAEC). Animal testing, also known as animal experimentation, animal research and *in vivo* testing, is the use of non-human animals in experiments that seek to control the variables that affect the behaviour or biological system under study. This approach can be contrasted with field studies in which animals are observed in their natural environments or habitats. The focus of animal testing varies on a continuum from pure research, focusing on developing fundamental knowledge of an organism, to applied

research, which may focus on answering some question of great practical importance, such as finding a cure for a disease. Examples of applied research include testing disease treatments, breeding, defence research and toxicology, including cosmetics testing. In education, animal testing is sometimes a component of biology or psychology courses. The practice is regulated to varying degrees in different countries. Institute has carried out various experiments on animals for different pharmacological, pharmaceutical, toxicological, research activities like:

**Neuropharmacology** – Parkinson’s Disease, Huntington’s Disease, Alzheimer’s Disease, Autism, Multiple Sclerosis Epilepsy, Traumatic Brain Injury and other neurological disorders.

**Cardiovascular** - Myocardial Infarction, cardiomyopathy, Hypertension, renal dysfunction, Ischemic Preconditioning.

**Toxicology** - Screening of new molecules for safety analysis and adverse effects etc.