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Website:www.acop.edu.in, Email:office@acop.edu.in

(ADITYA NAGAR, ADB ROAD, SURAMPALEM 533 437, E.G.Dt, Ph.9949876664)

# CERTIFICATE COURSE ON "HANDLING OF ANIMALS"

**II &  
Eligibility: III B.Pharmacy**



## Duration

**1ST SEPTEMBER TO 29TH SEPTEMBER, 2018**

*(every saturday)*

**Coordinator:**

**Dr.G.V.N.Kiranmayi  
Asst.Professor,  
Aditya College of Pharmacy**

**Resource Person and convenor:**

**Dr.K.Ravishankar  
Principal,  
Aditya College of Pharmacy**



**Patron**

**Dr.N.Sathish Reddy  
Vice chairman,  
Aditya Educational Institutions**

*Dr. N. Sathish Reddy*

**PRINCIPAL  
Aditya College of Pharmacy  
SURAMPALEM-533 437**



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## COURSE SYLLABUS

DURATION: 30Hrs

**COURSE NAME:** Certificate course on Handling of Animals

### **Course Objectives:**

- To provide basic knowledge on handling of laboratory Animals like Mice, Rats, Rabbits and Guinea pigs.
- To have a proper knowledge on the legislations, Ethics, and about the rules & regulations of CPCSEA.
- Training also provides the information about IAEC approvals while conducting research works on laboratory animals.

### **Course outcomes:**

Upon successful completion, students will have the knowledge and skills to:

1. To understand the species, specific biology of laboratory Animals.
2. Maintenance of laboratory animals with proper diet and facilities.
3. Environmental factors that may influence animal Experiments.
4. Euthanasia, Anaesthesia, & Analgesia for minor & Long-Lasting procedures.

**DAY 1: 01-09-2018, 6Hrs**

### **Module 1:**

Appropriate methods & principles of handling animals & describe common techniques procedures including administration and sampling techniques. Describing the basic biology of the relevant animal species, including basic anatomy, physiology, reproduction & behaviour, & recognise the importance of attending to biological & behavioural needs.

**DAY 2: 08-09-2018, 6Hrs**

### **Module 2:**

Various routes of administration & to describe about the importance providing of an enriched environment to laboratory animals & also monitoring of appropriate health status for the animals.



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**DAY 3: 15-09-2018, 6Hrs**

**Module 3:**

Describe abnormal behaviour & signs of discomfort, pain, suffering or distress & also monitor the microbiological health of laboratory animals.

**DAY 4: 22-09-2018, 6Hrs**

**Module 4:**

Listing of potential human health hazards associated with contact with laboratory animals & describe how these can be prevented or reduced.

**DAY 5: 29-09-2018, 6Hrs**

**Module 5:**

Define the term "Humane killing" & list appropriate Euthanasia, methods for the relevant animal species & recognise the choice of Euthanasia method may influence the scientific outcomes.

**References:**

1. Handbook of Laboratory Animal Anesthesia and Pain Management: Rodents. 1st Edition. ...
2. Animal handling techniques and protocol development strategies, *Bhushan P Hatwar, Arunabha Mallik.*
3. Pharmacology: A Comprehensive Approach by Ravi Shankar K, G.V.N Kiranmayee  
Pharma Med Press, ISBN: 9789383635566.
4. Animal Care and Resource Centre (ACRC) - IAEC project proposal documents. [<https://www.ncbs.res.in/research-facilities/acrc-IAEC> ]



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# ADITYA

## COLLEGE OF PHARMACY

Approved by AICTE & PCI - NEW DELHI, Affiliated to JNTUK KAKINADA  
(Formerly known as Sri Sai Aditya Institute of Pharmaceutical Sciences & Research)

Ph: 99498 76664  
Email: office@acop.edu.in  
Website: www.acop.edu.in

### CERTIFICATE COURSE SUMMARY 2018-19

**COURSE CODE AND NAME** : CHA and handling of animals  
**COURSE DURATION** : 30Hrs  
**BRANCH AND YEAR OFFERED:** II & III B.Pharmacy  
**COURSE INSTRUCTORS** : Dr.K.Ravi Shankar, Principal and Professor

#### COURSE OUTCOME

Upon successful completion, students will have the knowledge and skills to understand the species, specific biology of laboratory Animals, Maintenance of laboratory animals with proper diet and facilities, Environmental factors that may influence animal Experiments, Euthanasia, Anaesthesia, & Analgesia for minor & Long-Lasting procedures.

**COURSE TYPE** : Self framed course

#### ASSESSMENT MODE

**ATTENDANCE** : 30 Hours  
**NO.OF PARTICIPANTS** : 180  
**SCHEME OF EXAM** : MCQ Offline  
**DATE OF EXAM** : 01-10-2018

*C.V.N. Chinnmayi*  
Course coordinator



*Sreeni Challa*  
Principal  
PRINCIPAL  
Aditya College of Pharmacy  
SURAMPALEM-533 437



Sample



Certificate of

# Completion

This is to certify that Mr./Ms.

bearing roll number \_\_\_\_\_ has successfully completed the Certificate course entitled "HANDLING OF ANIMALS" held in Aditya College of Pharmacy, Surampalem from 01st September to 29th September, 2018

N. Sate Reddy  
Chairman

N. Sate Reddy  
Vice-Chairman



*cc: n.s.r*  
Principal  
Aditya College of Pharmacy  
Surampalem  
Director & Principal