

## REGISTRATION

Registration can be made by sending the duly filled application form, along with DD for registration fee drawn in favor of Principal, PES College of Pharmacy, payable at Bengaluru.

**Registration fee-** Rs.1000-00 (UG/PG/PhD students of Pharmacy, Ayurveda, Medical courses. Number of participants is limited to 30.

Registration fee includes course material (CM), refreshments and working lunch.

## ADDRESS FOR COMMUNICATION

Dr. Shivalinge Gowda KP, Professor and HOD,  
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# ONE DAY WORKSHOP CUM HANDS-ON TRAINING ON BASIC TECHNIQUES IN PHARMACOLOGY EXPERIMENTS



## PES College of Pharmacy

50 feet Road, Hanumanthanagar, BSK1<sup>st</sup> stage ,  
Bengaluru-560050

**Tuesday, 20<sup>th</sup> November, 2018**

**Venue:** Department of Pharmacology ,  
PES College of Pharmacy

## ABOUT COLLEGE

PES College of Pharmacy, a premier institution of pharmacy education in India, started in the year 1982 has developed into a center for advanced studies and research in several areas of Pharmaceutical sciences. The research laboratories, workshops, library of the college are all well equipped with modern facilities suitable for learning and research.

## DEPARTMENT OF PHARMACOLOGY

The department of Pharmacology was started in 2005. Subsequently, department grew in several dimensions of academic excellence with time. Department offers M.Pharm (Pharmacology) four semester (two years) course. All the laboratories of the department are approved for carrying out research, leading to M.Pharm course by RGUHS, Karnataka, Bengaluru. The department offers consultancy research projects for various institutions and industry.

## ABOUT THE WORKSHOP

Various such previous workshops were conducted and were found very much helpful, thus much more detailed workshop is organized. This workshop will discuss the modern basic techniques involved in animal experimentation. The workshop will focus towards research projects and research avenues in the context of Pre-clinical studies.

## OBJECTIVE

1. Introduce the basic techniques involved in the pre-clinical studies.
2. Impact theoretical knowledge on the current techniques involved in the Pharmacology experiments.
3. Present the recent developments in designing the pre-clinical experiments.

## TOPICS COVERED

- Animal restraining and routes of drug administration
- Blood sampling techniques (including retro-orbital puncture)
- Tissue sampling techniques
- Blood processing techniques- Preparation of serum and plasma.
- Tissue processing techniques- Preparation of tissue homogenates (PMS)
- Estimation of serum creatinine, LDH, total cholesterol.
- Estimation of tissue -SOD, catalase, glutathione, LPO.
- Recording of rat ECG and its interpretation.
- Bioassay by interpolation method.

## SESSION HIGHLIGHTS

Hands on training on animal restraining, sampling techniques, blood processing, tissue processing, estimation of serum and tissue biomarkers, handling of instruments like homogenizer, micro-centrifuge, semi-auto analyzer, bioassay by interpolation method, estimation of ECG.

**ONE DAY WORKSHOP-CUM- HANDS ON TRAINING ON BASIC  
TECHNIQUES IN PHARMACOLOGY EXPERIMENTS**

**Date-20-11-2018 Tuesday**

**REGISTRATION FORM**

**Name: -----**

**Designation/ Department-----**

**Industry/Institution-----**

**Address for Communication-----**

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**Telephone-----**

**E-mail-----**

**Highest Degree-----**

**Payment Details**

**A Demand Draft is enclosed for Rs.1000-00 No----- Dated-----**

**(Drawn in favor of 'Principal PES College of Pharmacy' payable at  
Bengaluru.)**

**Date-**

**Signature**