

### Registration Form

[Please fill in capital letters]

Name: Dr./ Mr./ Mrs./Ms. \_\_\_\_\_

Designation: \_\_\_\_\_

Qualification: \_\_\_\_\_

Institute/ College: \_\_\_\_\_

Address: \_\_\_\_\_

Phone : \_\_\_\_\_ Cell: \_\_\_\_\_

Email: \_\_\_\_\_

Affix your  
recent  
photograph

Whether your institution is recognized by DSIR? Yes / No

Nature of your appointment: Contract/Temporary/Permanent

Signature of Participant

Date:

Signature of HOD/Principal

[Seal]

\*Scanned copy of the duly filled application form should reach Organizing Secretary on or before November 05, 2017 via email.

Confirmation of registration is by email.

**Patron** : Dr. B. Suresh, Vice Chancellor, JSS University, Mysuru

**Chairman** : Dr. T.M. Pramod Kumar, Principal,  
JSS College of Pharmacy, Mysuru

**Convener** : Dr. G.V. Pujar, Professor & Head,  
Department of Pharmaceutical Chemistry

**Organizing Secretary** : Dr. B. R. Prashantha Kumar  
Department of Pharmaceutical Chemistry

Cell: 07411011124

Email: drugchemistryjss@gmail.com

#### Organizing Committee

Dr. B.M. Gurupadaya

Dr. M.N. Purohit

Mr. M.S.Venkatesh

Dr. R.S. Chandan

Dr. Anandkumar Tengli

Dr. B. Vishwanathan

Dr. Rupshee Jain

Jagadguru Sri Shivarathreshwara University, Mysuru



## Third DHR Sponsored Training Program on “Drug Chemistry”

November 20 to December 19, 2017



Department of Pharmaceutical Chemistry  
JSS College of Pharmacy  
Sri Shivarathreshwara Nagara, Mysuru 570 015  
[www.jssuni.edu.in](http://www.jssuni.edu.in)

## JSS UNIVERSITY, MYSURU

Jagadguru Sri Shivarathreeshwara University (JSSU) is established in 2008 under Section 3 of the UGC. JSS Medical College, JSS Dental College, JSS College of Pharmacy in Mysuru and Ootacamund, are the constituent colleges of the university. JSSU is accredited by National Assessment and Accreditation Council (NAAC) with 'A' grade. The Pharm D Program has been certified by Accreditation Council for Pharmacy Education (ACPE), USA.

## JSS COLLEGE OF PHARMACY, MYSURU

JSS College of Pharmacy, Mysuru is established in the year 1973 and is offering D.Pharm, B.Pharm, Pharm D, M.Pharm, PG Diploma & PhD Programmes in Pharmaceutical Sciences. The college is certified by ISO 9001-2008. It has committed itself to become a center for excellence in pharmaceutical education and research and be a leader in the field of pharmaceutical sciences. College is ranked number ten in the country by the National Institutional Ranking Framework (NIRF), Govt of India, during the year 2016 as well as in 2017.

## DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

The Department of Pharmaceutical Chemistry offers PG programs in Pharmaceutical Chemistry and Pharmaceutical Analysis besides supporting Ph.D program. Research in the department includes computer aided drug design, organic synthesis and analysis. Department has received funding from UGC, DHR, DBT, AICTE, VGST and ICMR for research projects.

## OBJECTIVES OF THE TRAINING PROGRAM

- Computer aided drug design techniques such as structure based drug design and ligand based drug design
- Organic synthesis including small molecules, heterocyclic synthesis, asymmetric synthesis and microwave assisted synthesis
- Analytical and bio-analytical method developments for new molecules and drugs using HPLC & LC-MSMS. IR, 2D NMR, X-Ray Crystallography and Mass spectral interpretation
- *In vitro* and *in vivo* pharmacological evaluation using different models
- Biostatistics and computer applications and Art of scientific writing

## ELIGIBILITY AND SELECTION

A Permanent faculty member working in a Pharmacy college, Medical college, University, Government college and Drug research or Health research institute. Candidates from DSIR recognized institutes are preferred for selection if there is a competition. Selection is based on first come first serve basis for the 10 participants.

## REGISTRATION, ACCOMMODATION & TA

Registration, accommodation, food and hospitality are free of cost. The travelling allowance will be given as per the norms.

## OUTLINE OF THE TRAINING PROGRAM

Drug Chemistry gives us an opportunity to use the knowledge of chemistry, biology and physics in the drug discovery and development process. As part of the development of new chemical entities, advances in the area of computer aided drug design, chemical synthesis, analysis, *in vitro* and *in vivo* pharmacological evaluation of the synthesized compounds have played significant role in discovering new chemical entities for diverse therapeutic applications.

In this context, this training program under HRD-HR Scheme of the DHR of Ministry of health and family welfare provides an opportunity to enhance skills on various computer aided drug design techniques such as molecular modeling, QSAR, molecular docking, pharmacophore modeling, molecular dynamic simulations, ADME prediction, virtual screening protocols etc. Besides designing, synthetic chemistry, purification, IR, X-Ray crystallography, 2D NMR and Mass spectral interpretation, analytical and bio-analytical methods using HPLC & LC-MSMS *in vitro* and *in vivo* pharmacological evaluation using different cell based assays and animal models are the fundamentals of this program. The program also includes application of biostatistics using software's. Towards the end of the program there will be training on art of scientific writing where participants are trained on writing short communications, reviews, research articles and grants. There will be both theory and practical sessions with question and answer sessions after each talk or practical demonstration.

## LIST OF TRAINERS

1. Dr. B.R. Srinivasa, Discovery Research, Bengaluru
2. Dr. Mugesha, IISc, Bengaluru
3. Dr. R. Sowdhamini, NCBS, Bengaluru
4. Dr. Anand, Biovia, Bengaluru
5. Dr. Sunil Kumar M, Certara, Hyderabad
6. Dr. Sajeev Kumar, DFRL, Mysuru
7. Dr. Girish, Aurigene Discovery Ltd, Bengaluru
8. Dr. Purushottam Dewang, Jubilant Biosys, Bengaluru
9. Dr. S Anand Kumar, Gangagen Biotechnologies, Bengaluru
10. Dr. S. Chandrashekar, IISc, Bengaluru
11. Dr. Ravi, Karpagam University, Coimbatore
12. Dr. Laxmi Adhikary, Biocon, Bengaluru
13. Dr. Gurubasavaraj, Waters India Ltd., Bengaluru
14. Dr. Ramesha, RL Fine Chemicals, Bengaluru
15. Dr. Mantelingu, Mysore University, Mysuru
16. Dr. Bhagchandani, ACD Labs
17. Dr. Nanjappa, Biocon Bristol Meyer, Bengaluru
18. Dr. Shankar, Mysore University