JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY) MYSURU

GOLDEN JUBILEE 1973-2023 JSS COLLEGE OF PHARMACY MYSURU

JSS COLLEGE OF PHARMACY

(Constituent College)

JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, MYSURU

(Deemed to be University)
Accredited 'A+' Grade by NAAC

Value Added Programme on "Hands-on Lc-ms Training Course"

29-30, September 2022

Organised by

Department of Pharmaceutical Chemistry

JSS College of Pharmacy, Mysuru

ABOUT THE UNIVERSITY

JSS Academy of Higher Education & Research (formerly known as JSS University) is a Deemed to be University, was established in 2008 under Section 3 of the UGC Act 1956 and is part of JSS Mahavidyapeetha, JSS-AHER is recognized by MHRD and accredited by NAAC with A+ Grade (3.48 CGPA). JSS AHER has been graded as Category-I Deemed-to-be University by UGC in the Year 2018.

ABOUT THE COLLEGE

JSS College of Pharmacy, Mysuru, established in 1973, offers D. Pharm, B. Pharm, Pharm. D, M. Pharm (10 specializations) and Ph.D. programs. The college is committed to provide quality education and research in the field of Pharmacy. As a part of global recognition, the Pharm. D Program has been certified by Accreditation Council for Pharmacy Education (ACPE), USA. The college is presently ranked 8th among Pharmacy Colleges in the country by NIRF, MHRD, Govt. of India.

Department of Pharmaceutical Chemistry: The Pharmaceutical Chemistry department offers M.Pharm programs (Pharmaceutical Chemistry and Pharmaceutical Analysis) and Diploma programs (Computer Aided Drug Design and Food Analysis) and PhD programs.

OVERVIEW OF THE COURSE

Three-days training program combines hands-on learning activities, conducted as an interactive session in classroom and laboratory. Lectures on fundamentals of liquid chromatography, mass spectroscopy, and component chemistries. Understanding of operational requirements for LC-MS analyses and optimization techniques for sample ionization techniques, Troubleshooting methods. Learning experience will be ensured by the small class size, and maximise hands-on time with the equipment and software.

LEARNING OUTCOMES

To introduce trainees to the –

- Principles and application of LC and MS technologies.
- Laboratory requirements for LC-MS systems.
- Importance of sampling and solvents used in LC-MS analyses.
- Ionization techniques (ESI and APCI).
- Interpretation of MS and MS-MS spectra.
- Trouble shooting (based on interaction) and problem-solving discussions.
- Good Laboratory Practices.
- Data Integrity and research ethics.

PRE-REQUISITES

This course is for those who have a basic understanding of Mass spectroscopy and liquid chromatography.

COURSE STRUCTURE

Duration: 26-30 hours

Batch: Maximum 10 participants (first come, first serve)

COURSE REGISTRATION FEES

Rupees 10,000/- per participant

Includes: lunch and refreshments; certificate of attendance. Registration fees is non-refundable. For lodging, and travel, participants are responsible to make their own arrangements. The accommodation arrangement can however be made upon request on chargeable basis.

RESOURCE PERSON

Dr Srinivas Patnala, Pharmaceutical Consultant and Visiting Fellow – Faculty of Pharmacy, Rhodes University South Africa.

WHY TO JOIN TRAINING PROGRAM?

Mass spectrophotometer is widely used in drug testing and discovery, food contamination detection, pesticide residue analysis, isotope ratio determination, protein identification, forensic and carbon dating. The training program is designed to help in diagnose and rectify faults on a mass spectrometry system.

IMPORTANT DATES

The application submission deadline: 20th September 2022

Click or scan to register

https://docs.google.com/forms/d/e/1FAIpQLScvh3j-myW4F9yoQ_a_rtMCnUKYrs-v52I0VGaqSkDHA2yZCQ/viewform?usp=sf_link

Confirmation of Selection: 21st September 2022

Payment should be done after confirmation of selection. Payment details will be shared to you after your selection. Selection will be based on first come first serve.

FOR FURTHER DETAILS, CONTACT:

Dr. Anandkumar Tengli

Organizing Secretary

Associate Professor

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