



# WORKSHOP ON MASS SPECTROMETRY

DATE : 2<sup>nd</sup> – 8<sup>th</sup> JANUARY 2023

Venue : Mass Spectrometry facility, Division of Biological Sciences  
Indian Institute of Science, Bangalore

## Organised by

Division of Biological Sciences, Indian Institute of Science (IISc), Bangalore  
And  
JSS Academy of Higher Education & Research, Mysuru

## Sponsored by

Department of Science and Technology (DST STUTI scheme), Govt. of India

## About the Workshop

It is a 7-day workshop on Mass Spectrometry organized by JSS AHER, Mysuru and Indian Institute of Science (IISc) Bangalore under DST STUTI program. The focus of the workshop is to train participants on basics of Liquid Chromatography and Mass Spectrometry (LCMS) and Gas Chromatography and Mass Spectrometry (GCMS). The workshop includes lecture sessions, demonstrations, hands-on activities on sample preparation, workflow for protein profiling and data analysis.

## Workshop Highlights

- Lectures on basics of Mass Spectrometry
- Small molecule and protein profiling by MALDI and LCQTOF
- Profiling of volatile compounds by GCMS
- Acquisition and data analysis

## Who can attend

Ph.D students, postdoctoral fellows, Early career research fellows and Assistant Professors from Life Sciences.

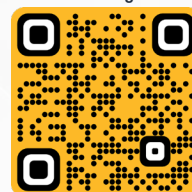
Application deadline : 7<sup>th</sup> November 2022

Limited to 30 participants

Registration fee: The registration fees will be waived off for the selected participants.

Food and accommodation will be provided, travel allowance will not be provided.

Scan & Register



## Mass Spectrometry facility, Division of Biological Sciences, IISc: Department of Biological Sciences, IISc

The Division of Biological Sciences (DBS) Mass Spectrometry facility is situated in the Molecular Biophysics Unit, and room FC02 in the new biological Sciences building. The facility is funded by the Dept. of Biotechnology, Govt. of India. The facility is dedicated towards mass spectrometric characterisations and investigations of proteomes, metabolites, natural peptides, polar and non-polar volatile compounds from different biological systems. There are totally 10 instruments of which 5 are high-end mass spectrometers. The facility not only serves investigators from IISc but also the scientific community across the country.

## JSS Academy of Higher Education and Research (JSS AHER)

JSS Academy of Higher Education & Research (JSS AHER), formerly known as JSS University, was established in the year 2008 with four constituent colleges - JSS Medical College and Hospital, JSS Dental College and Hospital, JSS College of Pharmacy, Mysuru, and JSS College of Pharmacy, Ooty. In addition, JSS AHER has taken initiatives to enhance community health education and outreach activities by establishing departments of Water and Health (2011), Health System Management Studies (2012) and basic and applied science departments (2013). The JSS hospital caters to a population of 3-million people from all over Karnataka and India.

## Department of Science and Technology (DST), Government of India

DST was established in May 1971 to promote new areas of science and technology and to play the role of a nodal department for organizing, coordinating, and promoting scientific and technological activities in the country. It gives funds to various approved scientific projects in India. The Scheme 'Synergistic Training program Utilizing the Scientific and Technological Infrastructure' (STUTI) is intended to build human resources and its knowledge capacity through open access to S&T Infrastructure across the country. The STUTI scheme envisions a hands-on training program and sensitization of the state-of-the-art equipment.

### Chief Patrons

Prof. Govindan Rangarajan, Director, IISc  
Dr. Surinder Singh, Vice-Chancellor, JSS AHER

### Patrons

Dr. Usha Vijayragavan, Dean  
Division of Biological Sciences, IISc  
Dr. B. Manjunatha, Registrar, JSS AHER

### Advisor

Prof. Paturu Kondaiah, IISc, Bangalore

### DST STUTI PMU Coordinators

Dr. Prashant Vishwanath, MBBS., MD., Ph.D  
Director (Research) & IQAC Coordinator, JSS AHER  
Dr. Madhu B. MBBS., MD., DNB, Ph.D  
Deputy Director (Research) JSS AHER

### Convener

Dr. Dhanya B.E, Project Co-Ordinator, DST-STUTI Program,  
JSS AHER

### Contact

9480133230 / 9108368356

### Workshop Organisers

Prof. Jayanta Chatterjee, Convenor, Mass Spectrometry facility, IISc  
Prof. Deepak K. Saini, Convenor, Mass Spectrometry facility, IISc  
Dr. Vinay Kumar Rao, JSS AHER

### Workshop Committee

Dr. Sushma Krishnan, IISc  
Mr. Muralidhar Nayak, IISc  
Ms. Sunitha Prakash, IISc

### Resource persons and Tentative speakers

Prof. Jayanta Chatterjee, IISc  
Prof. Deepak K. Saini, IISc  
Dr. Sushma Krishnan, IISc  
Dr. Sabareesh, CBST, VIT  
Dr. M. Vijayarathy, NCBS  
Mr. Muralidhar, IISc  
Ms. Sunitha Prakash, IISc

Application scientists from Sciex, Agilent, Bruker and Thermo Scientific, Beckman Coulter