

Content of the Workshop

Day1: Inaugural session

Session I and II

- Flame Photometer: Introduction and operation

- Hands on Training

Day 2: Session I and II

- AFM: Introduction and operation

- Hands on Training

Day 3: Session I and II

- Reflectometer: Introduction and operation

- Hands on Training

Day 4: Session I and II

- FT-IR in identification and characterization of material

- Hands on training

Day 5: Session I and II

- Trinocular Fluorescence Microscope

- Hands on: instrument operation

Day 6: Session I and II

- BOD and COD: Introduction and operation

- Hands on instrument operation

Day 7: Session I and II

- Air sampler: Introduction and operation

- Lab Visit

- Interactive session

- Valedictory session

Registration & Contact Details

Interested participants must register and only selected candidates would be invited for the workshop.

For selected candidates Registration fees, local travel, boarding and lodging will be covered by STUTI grant.

Registration Start From 1st September 2022

Interested participants should register using the following link:

<https://forms.gle/xNeMYP5fCwnpBx3s5>



Registration Deadline: 31st October 2022

Shortlisted candidates will be intimated by email, latest by 2nd November 2022.

Eligibility criteria:

- Minimum qualification: Post Graduate (Science) or B.Tech. (Technology)
- Professors/Scientists/Post-Doc Fellows/Ph.D.Fellows/ Industry persons who are actively involved in R&D
- Not more than 3 participants from one institute

For more information:

Mail: bot.sac@gmail.com

Address: 1, Ahilya Bai Marg, Pentinaka Chowk, Sadar, Jabalpur, M.P. 482001

Acknowledgements



Department of Science & Technology (DST) funded Training workshop under STUTI (Synergistic Training Program Utilizing the Scientific and Technological Infrastructure)

7 Days Workshop on Analytical techniques

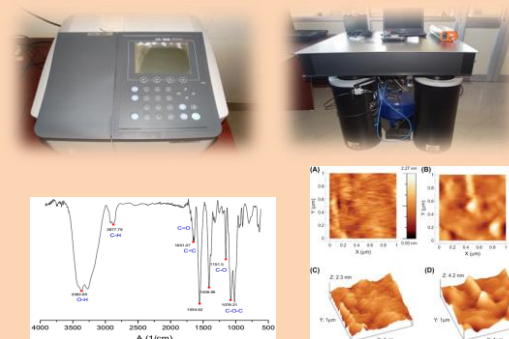
21st - 27th November 2022

Organized by

St. Aloysius' College (Autonomous), Jabalpur (M.P.)



Reaccredited 'A+' by NAAC (CGPA 3.68/4.00) College with Potential for Excellence (CPE) by UGC DST-FIST Supported & Star College Scheme by DBT



About The College



St. Aloysius' College (Autonomous) established in the year 1951 by the Catholic Diocese of Jabalpur stands as an epitome of success, with its qualitative teaching and holistic development. Being one of the premier educational institutes in Madhya Pradesh, it has been Reaccredited 'A+' Grade by NAAC with CGPA of 3.68/4.00. It has carved a niche for itself by being awarded the highest CGPA in all three cycles of NAAC accreditation in the state. Situated in sylvan surroundings, the college with its art of the state infrastructure and rich academic ambience provides excellence in education and character building proving its motto "Virtus in Arduo".

Organizing Committee

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Dr.Enosh Philip

Overview of STUTI and Objectives of Workshop

DST welcomes all the participants for the workshop on Analytical techniques organized under STUTI. The STUTI program envisions hands-on-training and sensitization of the state-of-the-art equipment as well as toward sharing while ensuring transparent access to S&T facilities. Department of Science and Technology has identified IIT-Gandhinagar to function as a Project Management Unit (PMU) and St. Aloysius College (Autonomous) Jabalpur, M.P. as one of the co-ordinator for this workshop.

This workshop is aimed to provide an insight into the basic principles and advanced usage of different equipment based on analytical techniques such as AFM, Reflectometer, Flame photometer, Air Sampler, Fluorescence microscope and FTIR. The participants will be introduced to the basic concepts of image generation, instrumentation and the advanced modes of operation. The participants will be provided with hands on experience on the operation of the instrument and will have a chance to interact with subject experts.
