MICROCHEM-2022

Workshop on

Macro to Micro-scale Experiments in Chemistry Practicals

8-10 December 2022

Organized by: Dept. of Chemistry, Loyola College, Chennai 600 034
in collaboration with
Tamilnadu State Coucil for Science and Technology (TNSCST)
Venue: Dept. of Chemistry, Loyola College, Chennai 600 034, India

Registration Link

Patrons

Rev. Dr. Francis P. Xavier, SJ
Rector, Loyola College, Chennai

Rev. Dr. B. Jeyaraj, SJ,
Secretary, Loyola College, Chennai

Rev. Dr. A. Thomas, SJ,
Principal, Loyola College, Chennai

Dr. J. A. Charles,
Deputy Principal, Loyola College, Chennai

Chairman

Dr. D. Suresh Kumar,
Head, Dept. of Chemistry, Loyola College, Chennai

Organizing Committee

Faculty Members
Dept. of Chemistry, Loyola College, Chennai

Convener

Jeya Rajendran
Dept. of Chemistry, Loyola College, Chennai

CALL FOR PARTICIPATION

Green Chemistry, among other things, aims at minimizing the use of hazardous chemical substances and processes, and evolving safer methods by conducting experiments in the chemical laboratories. It saves time, the quantity of chemical substances, etc. without compromising the accuracy in the analyses. Release of hazardous substances to environment affecting human health and pollution can be avoided in adopting green chemistry approaches in our laboratories. In this context, the Dept. of Chemistry is organizing a three-day workshop (MICROCHEM-2022) for the faculty members of colleges on the micro scale methods evolved over a period of time. The participants will be given hands-on training on the above techniques.

Programme

Programme Schedule: December 8, 2022

9:00 - 10:00 am	Registration
10:00 - 10:45 am	Inaugural function
10:45 - 11:30 am	Introduction to Chemistry Practicals
11:30 - 11:45 am	Tea break

Contact Details

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(Dr. Jeya Rajendran)

Email:
microchemis2022@gmail.com

11:45 - 1:00 pm	Inorganic volumetric analysis - Two burette titrations (Demo and Hands-on training to participants)
1:00 - 2:00 pm	Lunch break
2:00 - 3:30 pm	Organic - Micro organic quantitative analysis (Demo and Hands-on training to participants)
3:30 - 4:15 pm	Separation of organic mixture (Demo)
4:15 - 4:45 pm	Tea break

Programme Schedule: December 9, 2022

10:00 - 11:30 am	Physical: Partition experiment of I2 in CCl4 and water (Demo and hands-on training)
11:30 - 11:45 am	Tea break
11:45 - 1:00 pm	Physical: Kinetics pseudo first order and second order kinetics (Demo and hands-on training)
1:00 - 2:00 pm	Lunch break
2:00 - 3:30 pm	Physical: Phase diagram of three component system
3:30 - 4:15 pm	Physical: Calculation of Ea (Demo and hands-on training)
4:15 - 4:45 pm	Tea break

Programme Schedule: December 10, 2022

9:30 - 11:30 am	Inorganic qualitative analysis (Demo and hands-on training in qualitative analysis)
11:30 - 11:45 am	Tea break
11:45 - 12:30 pm	Preparation of organic compounds and separation techniques
12:30 - 1:15 pm	Interaction with participants & Validictory function

Registration

Participation in the Workshop is by *registration* . Registration is on a first come, first served basis, and the number of seats is limited to 40. For registration, log on here

Registration Fee

Fee (Faculty):
Rs.1000 (till 7/12/2022)
Rs.1200 (Spot Registration)