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Madras University Post Centenary Diamond Jubilee

International Conference on Recent Trends in Analytical Chemistry (ICORTAC-2018)

15-17 March, 2018



Organized by

Department of Analytical Chemistry
University of Madras
Guindy Campus, Chennai-600025
Website: www.unom.ac.in

in association with,

Royal Society of Chemistry (RSC) South India Section,
Society for Advancement of Chemical Science Education (SACSE),
Indian Association of Analytical Scientists (IAAS), Chennai
Analytical Chemistry Alumni Association (ACAA)
& The Academy of Sciences (ASC), Chennai



Website: www.unom.ac.in/icortac2018

About the University

The University of Madras is proudly celebrating its 160th year of establishment as post centenary diamond Jubilee celebration in the year 2017-2018. To commemorate this occasion, this international conference, ICORTAC-18 is being organized. The University of Madras has been accredited with "A" rating by National Assessment and Accreditation Council (NAAC) and the University Grants Commission(UGC) has recognised the University as one of the centres for "potential for excellence" in the country.

About the Department

The Department of Analytical Chemistry was established in the year 1960 as a research department under University of Madras. It is one of the unique departments in our country offering M.Sc, M.Phil and Ph.D programs in Analytical Chemistry. The Department is actively involved in research since its inception and has produced over 90 Ph.D scholars and numerous Post-graduates and M.Phil students. Currently the department is awarded with UGC-SAP DRS-I program for thrust area of graphene related research.

The department specializes in the areas of electrochemistry, spectroscopy, sensors, catalysis, corrosion, nano materials and nanobiomaterials. The sophisticated instruments available in the department include UV-Vis/FTIR Spectrophotometers, AAS, Electrochemical workstation, Quartz crystal microbalance, Polarograph, GC, HPLC, HPTLC, Corrosion monitoring system, Contact angle and optical microscope with image analyzer besides a Computation laboratory. The alumni of this department are rendering their services to premier academic institutions and industries across the world. The alumni association is actively involved in organizing seminars and workshop in collaboration with the parent department.

The conference is organized in association with Royal Society of Chemistry(RSC) South India Section, Society for Advancement of Chemical Science Education(SACSE), Indian Association of Analytical Scientists (IAAS), Analytical Alumni Association and The Academy of Sciences, Chennai

IAAS will be launched during the conference with its headquarters at Department of Analytical Chemistry, University of Madras. The society will provide a common platform for Analytical Scientists to exchange ideas, keep themselves abreast of the latest developments in this field, thus promoting growth of analytical sciences in the country. The association (IAAS) will be involved in organizing and supporting technical lectures/ seminars / workshops and conferences.

Scope of the Conference

Given the vast requirements and implications of analytical chemistry in our day to day life, the conference is aimed at attracting participants from the world's leading academic institutions,

research organizations and industries looking for discussions, solutions and market place for product development. Analytical Sciences encompasses fields of pharmacy, food technology, geology, agriculture, environment, nuclear, metallurgy, material science, catalysts, polymers, sensors, biotechnology, medicine, radiochemistry, diagnostics and therapeutics. In recent years the greatest challenge has come from nanosciences which has thrown open a host of analytical avenues for the development of new generation devices born out of nanotechnology. The conference intends to attract papers dealing with recent trends in the field of analytical sciences in general.

Conference Topics (Oral / Poster presentation)

- Graphene & Functionalized graphene research
- Analytical method developments & validation
- Electrochemistry & Electroanalytical chemistry
- Radio Analytical Techniques
- Imaging techniques and Image processing
- Separation methods and Chromatographic techniques
- Instrumentation design and fabrication
- Smart materials, Nanomaterials
- Microfluidics, Acoustophoresis, Lab on Chip, Sensors
- Thermal Spectral techniques
- Surface characterization and analysis
- Trace element analysis and speciation
- Natural product analysis
- Polymers & Green chemistry
- Coatings, electro & electro less deposition,
- Thin films, ceramic technology & crystal growth
- Corrosion, corrosion prevention & monitoring
- Catalysis & Renewable energy
- Batteries, Fuel cells and energy storage devices
- Biomaterials, Tissue Engineering & Drug delivery
- Pharmaceutical and herbal product analysis
- Petrochemicals, Fertilizers, Paints, Lubricants & Biofuels
- Cosmetics, Food and Forensic analysis
- Biotechnology, Clinical diagnosis and analysis
- Environmental analysis and Pollution control
- Computational chemistry, modeling and simulation

Who can participate

Teaching faculty, Scientist, Research Scholars, M.Phil/PG/UG students and Industry personnel across all disciplines of science and engineering working on Analytical techniques are welcome.

Participants interested in presenting a scientific paper in the conference are requested to submit an abstract of their paper not exceeding 300 words (without figures, tables & references) through Email:icortac2018@gmail.com

Product Exhibition

The conference will be attended by experts from both leading academia as well as from industries. Therefore, it will be an appropriate forum for the various companies for exhibiting their product related to analytical chemistry and getting potential customers. Exclusive sponsorship opportunities will provide additional exposure to widen the participant's market exposure and create an awareness of new product innovations.

Publication : The full papers would be published in journals with ISSN number and UGC listed journals. Refer website for further updates.

Location

The conference is planned at the Chemical Sciences Auditorium, University of Madras, Guindy campus, Chennai which is located at the heart of the scientific corridor in Chennai, the capital of Tamil Nadu State. The proximity to academic institutions and central laboratories - IITM, Institute of Mathematical Sciences, MSS Research Foundation, CLRI, SERC, CECRI, NEERI, Anna University among others and industrial parks will be ideal for delegates to network with local academic/ scientific/ industries and vice versa. Chennai, the host city is famous for its rich culture, delicious food and second longest beach in the world.
(<http://www.tamilnadutourism.org/>)

Certificates and awards

Merit certificates along with attractive prizes would be awarded to the Best Oral and Poster presentation in each discipline.

Important Dates

Last date for submission of abstracts	: 31.Jan. 2018
Intimation of Selected papers	: 05.Feb. 2018
Submission of full paper	: 28.Feb. 2018

Registration Fee

1. Industry Delegates	: Rs. 5000
2. Faculty Members	: Rs.3000
3. Research Scholars	: Rs.2000
4. International Delegates	: \$200 USD
5. International Students	: \$100 USD

Kindly draw DD in favour of "Registrar, University of Madras". Payable at Chennai, Tamilnadu and send to the Secretary. International participants can use telegraphic mode for payments