



SATHYABAMA UNIVERSITY

(Established under section 3 of the UGC Act, 1956)

Accredited by NAAC

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600 119

Declared as Category 'A' University by MHRD, Government of India

Jeppiaar Nagar, Rajiv Gandhi Road, Chennai – 600 119, Tamilnadu, India.



Pleasantly invites you for the
“Workshop on Interpretation of Instrumental Methods (WIIM-2017)”
(UV, TGA, BET Surface area, Particle Size Distribution, Zeta potential
Measurements, Contact Angle Measurements)
to be held on 5th-7th, January, 2017.

Organized by
DEPARTMENT OF CHEMISTRY,
SATHYABAMA UNIVERSITY

&

In Association with



CSIR-National Metallurgical Laboratory Madras Centre,
CSIR Madras Complex, Taramani, Chennai – 600 113.

Sponsored By



DST-SERB, Govt. of India.



Thane – West, Mumbai – 400601

WHOM CAN BENFIT

- Research Scholars, Students and Staff from Engineering Branches and Science Branches of Physics, Chemistry and Life sciences (Polymer/Materials Sciences/Organic/Analytical/Physical /Surface Chemistry) Wishing to Equip Themselves for Research & Industry Jobs
- Industry Professionals who are working in Surface Science

OUT LINE OF THE COURSE

1. Theory concepts behind UV and Thermal Analysis
2. The Interpretation of UV/TGA/DTA/DSC Curves
3. Introduction to Thermokinetics - Solid state reactions and kinetics
4. Thermo chemical and thermo physical properties of materials, minerals
5. Thermal behavior of nanomaterials and coated particles
6. Interpretation of BET-Adsorption isotherms, Pore size Distribution curves
7. Interpretation of Particle Size Distribution-Zeta potential measurements
8. Interpretation of Contact angle measurements and Surface energy measurements

IMPARTANT DATES:

Last Date for Registration form submission: 5th, December, 2016

Intimation of selected Participants: 15th, December, 2016

Work shop Date: 5th -7th, January, 2017

ABOUT SATHYABAMA UNIVERSITY

Sathyabama University is a pioneer in Engineering Education and was established with the aim of providing quality higher education in the areas of Engineering, Science and Technology on par with International standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. Having acquired excellence in the academic part of education with all sophisticated facilities available, the University has established several research centres in the field of Remote Sensing & Geo Informatics, Nano Technology, Ocean Research, Water Research, Robotics, Earth & Atmospheric Sciences, Non Destructive Testing &

Waste Management in collaborations with esteemed National Research organizations and are progressively working towards innovation in the field of Science & Technology. The University has been accredited by National Assessment and Accreditation Council (NAAC) and ISO 9001: 2008 Certification for Professional Quality Management Practices. The University has undertaken various Sponsored and Collaborative Research and Development projects funded by national organizations such as Indian Space Research Organization (ISRO), Department of Science and Technology (DST), Indira Gandhi Centre for Atomic Research (IGCAR), Defence Research and Development Organization (DRDO), Department of Bio-Technology (DBT), Ministry of Environment and Forests (MoEF), Board of Research in Nuclear Sciences (BRNS) etc., The University holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life. A step towards achieving this, the University is successfully conducting non formal education programmes through 18 Village Resources Centre (VRCs) all over the state of Tamil Nadu.

ABOUT THE DEPARTMENT OF CHEMISTRY

The department of chemistry was started right from the inception of University in the year 1988. It has well-established laboratories equipped with sophisticated instruments, which fulfill the needs of PG and Ph. D students. The department has highly qualified faculty and more than 20 Ph. D students. It has 12 doctorates from reputed institutions like IIT, NIT CECRI, NML, etc. and published more than 75 research papers in reputed journals with high impact factor. The department has undertaken many research projects funded by CSIR, ISRO, DST and IGCAR.

ABOUT CSIR-NATIONAL METALLURGICAL LABORATORY

The National Metallurgical Laboratory, the third in the **Council of Scientific & Industrial Research (CSIR)** family of 38 laboratories. The foundation stone of NML was laid on 21.11.1946 by the first and only Governor General of independent India, Shri C.Rajagopalachari. The laboratory was formally inaugurated and dedicated to the nation on the 26th of November, 1950 by Pandit Jawaharlal Nehru " in a spirit of hope and faith in the future". The laboratory formed part of the great plan, which Sir Shanti Swarup Bhatnagar visualised in 1940, for providing India with a network of research institutes capable of taking the country forward in the Science & Technology. The establishment of the laboratory was generously supported, in cash and kind, by Tata Industries Ltd., Sir Ratan Tata Trust and Sardar Bahadur Sir Indra Singh of Indian Steel and Wire Products (ISWP) Company. Dr. Balraj Nijhawan, the first Indian Director of the laboratory, set the pace for the rapid growth of the laboratory through the establishment of a number of pilot plants and facilities and initiating research programmes which were in line with the Five Year Plans of the young Republic of India. NML has one Centre at Chennai.



SATHYABAMA UNIVERSITY



Welcome you all to the

***DST-SERB & Kunash Instruments Pvt. Ltd., Micromeritics
Sponsored Three Days Workshop on
Interpretation of Instrumental Methods (WIIM-2017)***

**(UV, TGA, DSC, BET Surface area, Particle Size Distribution,
Zeta potential Measurements, Contact Angle Measurements)**

05th - 07th January, 2017

Venue: Presentation Hall (1st Floor), International Research Centre

Organized by

Department of Chemistry

In Association with

CSIR - National Metallurgical Laboratory Madras Centre



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