

REGISTRATION

Students / Research Scholars : Rs. 2000
Academician / Industrial Participants : Rs. 3000

REGISTRATION FORM

"WINGC-2020" 27th -29th February 2020

Name of the Participant :

Gender :

Designation :

Department/ Institute :

Address for Communication:

E-mail/ Fax :

Mobile No/Phone No :

Cash :

Demand Draft No :

Name of the Bank and Date :

Signature of the Candidate

Place:

Date:

Signature of

the Head/Supervisor

For Further Details Contact

Mr. C.Kumar
Scientist B,
Centre for Ocean Research
Email: kumar.cor@sathyabama.ac.in
Mobile: 8220232039

Dr. T.Krithiga
Associate Professor
Department of Chemistry
Email: krithiga.chemistry@sathyabama.ac.in
Mobile: 9176672094

Sathyabama Institute of Science and Technology
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" By NAAC

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



Workshop on Interpretation of Gas Chromatography

"WINGC-2020"

27th - 29th FEBRUARY 2020



Jointly Organized by
Centre for Ocean Research
and
Department of Chemistry

in Association With



Toshvin Analytical Pvt. Ltd, Chennai.

ABOUT WINGC-2020

Gas Chromatography–Mass Spectrometry (GC-MS) and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) both are Major analytical method to identify, quantify and to analyze the organic/inorganic components present in the given test sample even in a negligible quantity. They have a wide range of applications in the fields of Pharmaceutical industry, Forensic field, Pesticide analysis, Environmental pollutant detection and analysis, Water quality analysis, identification of unknown samples and toxicology studies etc.

This three days training program includes all the techniques involved in the analysis of test samples.

- Guest lectures on the chosen topics by eminent personalities.
- Industry experts will give more in depth guidelines to handle the equipments.
- Hands-on training on Sample preparation, Column packing, Solvent Selection, Method development, Tuning and calibration, Peak integration and result generation etc.
- Interpretation of results and export of spectra to publication quality will be discussed.

This valuable 3 days workshop will lead you to the wide range of opportunities in numerous fields.

PROGRAM SCHEDULE

27 th February 2020		
08:00am – 09:00am Registration 09:00am – 10:00am Inauguration 10:00am – 10:15am Tea Break		
10:30am – 12:30pm	Lecturer on Mass Spectrometry and its interpretation	Prof. Dr. P.Rajakumar University of Madras, Chennai
12:30pm – 01:30pm	Lunch Break	
01:30pm - 03:00pm	Principle and Applications of ICP-MS	Dr.S.Vijayalakshmi Head, ACS, ACSD, IGCAR-DAE, Kalpakkam
28 th February 2020		
09:00am – 03:00pm	Batch I GCMS - Hands on Training with interpretation of Organic Compounds	Batch II ICPMS - Hands on Training with interpretation of In-Organic Compounds
12:15pm – 01:00pm	Lunch Break	
29 th February 2020		
09:00am – 02:00pm	Batch II GCMS - Hands on Training with interpretation of Organic Compounds	Batch I ICPMS - Hands on Training with interpretation of In-Organic Compounds
12:15pm – 01:00pm	Lunch Break	
02:00pm – 03:00pm	Valedictory Function & Certificate Distribution	

PATRONS

Dr. Marie Johnson
President

Dr. Mariazeena Johnson
Chancellor

Dr. S.Sundar Manoharan
Vice-Chancellor

Sathyabama Institute of Science and Technology

Organizing Secretary

Dr. B.Sheela Rani
Director (Research)

Conveners

Dr. J.Karthikeyan
Head & Associate Professor
Dr. T.Krithiga
Associate Professor,
Department of Chemistry

Mr. C.Kumar
Scientist B,
Mr. R.Thirugnanasambandam
Scientist B,
Centre for Ocean Research

Co-Conveners

Dr. D.Inbakandan
Head & Scientist E
Centre for Ocean Research

Dr. V.Ganesh Kumar
Scientist E
Centre for Ocean Research

Organizing Committee Members

Centre for Ocean Research

Department of Chemistry

Dr. L. Stanley Abraham, Scientist E
Dr. K. Govindaraju, Scientist E
Dr. V. Parameswaran, Scientist D
Dr. M. Ravi, Scientist C
Dr. T. Stalin Dhas, Scientist B
Dr. V. Karthick, Scientist B
Mr. J. Baalamurugan, Scientist B

Dr. A. Sheik Mideen, Professor
Dr. V. Kavitha, Professor
Dr. S. Supriya, Associate Professor
Dr. S. Sunitha, Assistant Professor
Dr. K. Chennakesavelu, Associate Professor



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



5 DAYS - FACULTY DEVELOPMENT PROGRAMME

Online Course on Methodology & Data Interpretation of Analytical Instrumentation Techniques

Jointly Organized by

Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry

In Association with

Ministry Of Earth Sciences - Earth Science Technology Cell (MoES-ESTC)

Date: 15 - 19 June, 2020



Nuclear Magnetic Resonance (NMR)
Basic Principle & Interpretation.

Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Dept. of Organic Chemistry, University of Madras
Date: 15.06.2020; Time: 10 - 12. 30 noon



Ultraviolet-Visible Spectroscopy (UV-Vis) Basic
Principle & Interpretation.

Dr. K. Chennakesavulu
Associate Professor, Department of Chemistry
Date: 17.06.2020; Time: 10 - 11. 00 am



Thermogravimetric analysis (TGA)
Basic Principle & Interpretation.

Dr. R. Vasantharaja
ICAR - Project fellow, Centre for Ocean Research
Date: 18.06.2020; Time: 10 - 11.00 am



Gas Chromatography & Mass Spectrometry
(GC-MS) . Basic Principle & Interpretation.

Mr. C. Kumar
Scientist B, Centre for Ocean Research
Date: 19.06.2020; Time: 10 - 11.00 am

Fourier-transform infrared spectroscopy (FTIR) .
Basic Principle & Interpretation.

Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Department of Organic Chemistry, University of
Madras. Date: 16.06.2020; Time: 10 - 11.00 am

Registration Fee: Rs. 500 /-

(Limited Seats - Registered participants will
be intimated through Email)

For Registration : <https://bit.ly/2XbJAJH>

Last Date for Registration : 12/06/2020.

Who can apply?

Faculty members from science and engineering
discipline are eligible to apply.

**E- CERTIFICATE WILL BE ISSUED UPON SUCCESSFUL
COMPLETION OF THE COURSE**



Organizing Secretary:

Dr. B. Sheela Rani, Director (Research), Sathyabama Institute of Science and Technology

Programme Coordinators:

Dr. D. Inbakandan, Head & Scientist E, Centre for Ocean Research

Dr. J. Karthikeyan, Head & Associate Professor, Department of Chemistry

Dr. V. Ganeshkumar, Scientist E, Centre for Ocean Research

Convener:

Mr. C. Kumar, Scientist B, Centre for Ocean Research.

Dr.T.Krithiga, Associate Professor, Department of Chemistry

Co-Conveners:

Dr. T. Stalin Dhas, Dr. V. Karthick, Mr. R. Thirugnanasambandam & Mr. J. Baalamurugan
Scientist B, Centre for Ocean Research.

Contact: 8220232039

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6 DAYS - FACULTY DEVELOPMENT PROGRAMME

ON

Mass Spectrometry and Thermal Analysis Techniques

Jointly Organized by

Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry

In Association with

Ministry of Earth Sciences - Earth Science Technology Cell (MoES-ESTC)

Date: 13 - 18 July, 2020



Patrons:

Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Dr. T. Sasipraba, Vice Chancellor

Organizing Secretary:

Dr. B. Sheela Rani
Director (Research)

Programme Coordinators:

Dr. D. Inbakandan, Head & Scientist E,
Centre for Ocean Research
Dr. J. Karthikeyan, Head & Assoc. Prof
Department of Chemistry
Dr. L. Stanley Abraham, Scientist E,
Centre for Ocean Research

Conveners:

Mr. C. Kumar, Scientist B,
Centre for Ocean Research.
Dr. T. Krithiga, Associate Professor,
Department of Chemistry

Co-Conveners:

Mr. R. Thirugnanasambandam,
Dr. T. Stalin Dhas, Dr. V. Karthick, &
Mr. J. Baalamurugan
Scientist B
Centre for Ocean Research



**Application Oriented Talk on GC-MS,
Gas Chromatography & Mass Spectrometry**
Mr. Dushyanth Hegde, Assistant Manager
(Application Support), Toshvin Analytical Pvt Ltd.,
Bangalore, Date: 13.7.2020; Time: 10 - 12 noon



**Liquid Chromatography & Mass Spectrometry
(LC-MS) Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Dept. of Organic Chemistry, University of Madras
Date: 14.7.2020; Time: 10 - 12 noon



**Inductively coupled Plasma Mass Spectrometry
(ICP-MS) . Basic Principle & Interpretation.**
Dr. T. Y. Suman, Post Doctoral Fellow,
Henan Normal University, Xinxiang, China
Date: 15.7.2020; Time: 10 - 12 noon



**Matrix-Assisted Laser Desorption/Ionization
(MALDI-TOF). Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Department of Organic Chemistry, University of
Madras. Date: 16.7.2020; Time: 10 - 12 noon



**Thermal Analysis & Thermo kinetics
(TGA/DTA/DSC) Basic Principle & Interpretation.**
Dr. K. Chennakesavulu
Associate Professor, Department of Chemistry
Date: 17. 7.2020 & 18.7.2020; Time: 10 - 12 noon

Registration Fee: Rs. 500 /- (Limited Seats only)

(E- Certificate will be given for the successfully completed participants)

For Registration : <https://bit.ly/2YLqCuk>

Last Date for Registration : 11/07/2020.

Contact: 8220232039

9176672094, 8144504346

kumar.cor@sathyabama.ac.in



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Certificate of Participation



Ministry of Earth Sciences
Government of India

This is to certify that **Ms. BHAVANI. S** from **ANNA UNIVERSITY, CHENNAI** has participated in the "5 DAYS - ONLINE FACULTY DEVELOPMENT PROGRAMME ON METHODOLOGY & DATA INTERPRETATION OF ANALYTICAL INSTRUMENTATION TECHNIQUES" Jointly offered by Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, in association with Ministry of Earth Sciences - Earth Science Technology Cell (MoES-ESTC) from 15.6.2020 to 19.6.2020.

Mr. C. KUMAR
Centre for Ocean Research
Convener

Dr. T. KRITHIGA
Department of Chemistry
Convener

Dr. B. SHEELA RANI
Director (Research)



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5 DAYS - FACULTY DEVELOPMENT PROGRAMME ON Mass Spectrometry and Thermal Analysis Techniques

Jointly Organized by

Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry

In Association with

Ministry Of Earth Sciences - Earth Science Technology Cell (MoES-ESTC)

Date: 13 - 17 June, 2020



**Application Oriented Talk on GC-MS,
Gas Chromatography & Mass Spectrometry**
Mr. Dushyanth Hegde, Assistant Manager
(Application Support), Toshvin Analytical Pvt Ltd.,
Bangalore, Date: 13.07.2020; Time: 10 - 12 am



**Liquid Chromatography & Mass Spectrometry
(LC-MS) Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Dept. of Organic Chemistry, University of Madras
Date: 14.07.2020; Time: 10 - 12.30 noon



**Thermal Analysis & Thermo kinetics
(TGA/DTA/DSC) Basic Principle & Interpretation.**
Dr. K. Chennakesavulu
Associate Professor, Department of Chemistry
Date: 17.06.2020; Time: 10 - 11am



**Matrix-Assisted Laser Desorption/Ionization
(MALDI-TOF). Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Department of Organic Chemistry, University of
Madras. Date: 16.07.2020; Time: 10 - 11 am



**Inductively coupled Plasma Mass Spectrometry
(ICP-MS). Basic Principle & Interpretation.**
Dr. T. Y. Suman, Post Doctoral Fellow,
Henan Normal University, Xinxiang, China
Date: 17.06.2020; Time: 10 - 11 am

Patrons:

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Dr. Marie Johnson, President

Dr. T. Sasipraba, Vice Chancellor
Dr. S. S. Rau, Registrar

Organizing Secretary:

Dr. B. Sheela Rani
Director (Research)

Programme Coordinators:

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Centre for Ocean Research
Dr. J. Karthikeyan, Head & Assoc. Prof
Department of Chemistry
Dr. V. Ganeshkumar, Scientist E,
Centre for Ocean Research

Conveners:

Mr. C. Kumar, Scientist B,
Centre for Ocean Research.
Dr. T. Krithiga, Associate Professor,
Department of Chemistry

Co-Conveners:

Mr. R. Thirugnanasambandam,
Dr. T. Stalin Dhas, Dr. V. Karthick, &
Mr. J. Baalamurugan
Scientist B, Centre for Ocean
Research.

Registration Fee: Rs. 500 /- (Limited Seats only)

(E- Certificate will be given for the successfully completed participants)

For Registration: [https:// https://bit.ly/2YLqCuk](https://bit.ly/2YLqCuk)

Last Date for Registration: 11/07/2020.

Contact: 8220232039

9176672094, 8144504346

kumar.cor@sathyabama.ac.in



INVITATION



WORKSHOP ON INTERPRETATION OF INSTRUMENTAL METHODS (WIIM-2020)

(UV-VIS, FTIR, BET Surface Area, Particle Size Distribution,
Zeta Potential, Contact Angle, XRF and FESEM)

to be held on 6th - 10th January 2020

organized by

DEPARTMENT OF CHEMISTRY

&

**INTERNATIONAL RESEARCH CENTRE
SATHYABAMA INSTITUTE OF SCIENCE
AND TECHNOLOGY
(Deemed to be University)**

&

in association with



**CSIR-NATIONAL METALLURGICAL
LABORATORY MADRAS CENTRE**

**CSIR Madras Complex, Taramani
Chennai – 600 113**

WHO CAN BENEFIT

Scientists, Faculty Members, Postdoctoral Fellow, Research Scholars, Students from Science and Engineering branches (Minerals / Metallurgy / Chemical/ Civil / Polymer / Materials Science / Organic / Analytical / Industrial / Physical / Surface Chemistry), Quality Control, Research and Development and wishing to improve their professional skills and handling the analytical instruments and interpretation of their results.

OUTLINE OF THE WORKSHOP

- Theory related to instrumental methods of analysis
- UV-Visible and FTIR demo experiments and interpretation of results
- Interpretation of BET- Adsorption isotherms, Pore Size distribution curves
- Interpretation of Particle Size distribution - Zeta Potential measurements
- Interpretation of Contact angle and Surface energy measurement
- XRF and its significance
- Electron Microscopy and its applications

ABOUT SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Sathyabama Institute of Science and Technology 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. The University has been accredited by National Assessment and Accreditation Council (NAAC) and ISO 9001: 2008 Certification for Professional Quality Management Practices. The Institute offers 31 undergraduate programmes and 27 postgraduate programmes in diverse fields of education. State of the art Library, International Research Centre and an exclusive Research & Development Centre provide rich experience of learning and thereby fulfilling students' thirst for success. 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. The research activity is progressive and proactive with 265 funded projects worth of around Rs.63.5 Crores, which has been sanctioned by various national organizations.

ABOUT CSIR-NATIONAL METALLURGICAL LABORATORY

National Metallurgical Laboratory (CSIR-NML) is a premier laboratory within the ambit of Council of Scientific and Industrial Research (CSIR), New Delhi, a statutory body under Government of India. CSIR National Metallurgical Laboratory Madras Centre (NML-MC) an extension Centre of CSIR NML, over the years has undertaken several R&D projects in the areas of mineral beneficiation, micro-structural characterization and failure analysis of various industrial components. The Centre has developed flow sheets for the beneficiation of ferrous and non-ferrous, industrial minerals which include limestone, feldspar, barites etc. In recent years, the Centre has made significant contributions to the development of column flotation technology for Indian mineral industry. Commercial flotation columns were commissioned for the beneficiation of sillimanite and barite. Over the years the centre has developed expertise and state-of-the-art facilities to carry out material characterization and metallurgical failure investigations for various engineering industries like power and automobile sector. The centre is actively working towards developing value added products from mineral/mine wastes and also provides services for characterization of tiles, paver blocks and natural building stones.

List of Advisory Committee

1. Dr. D. D. Sarma, Indian Institute of Science, Bangalore
2. Dr. Goutam De, Institute of Nano Science & Technology Habitat Centre, Mohali
3. Dr. P. K. Das, Indian Institute of Science, Bangalore
4. Dr. M. T. Karuppiah, Ministry of Environment, Forests & Climate Change, Delhi
5. Dr. S. Balasubramanian, Retd. Professor, University of Madras , Chennai
6. Dr. K. Ravichandran, University of Madras, Chennai
7. Dr. M.V. Shankar, Yogi Vemana University, Kadapa
8. Dr. A. K. Sahu, CSIR-CECRI, Chennai
9. Dr. M. Muthukumar, Central University of Kerala, Kasargod
10. Dr. K. Pandian, University of Madras, Chennai
11. Dr. B. S. Murty, IIT Hyderabad, Hyderabad
12. Dr. G. Bhaskar Raju, Retd. Chief Scientist, CSIR-NML Madras Centre
13. Dr. D. S. Rao, CSIR-IMMT, Bhuvanesar
14. Dr. S. Sundar Manoharan, Sathyabama Institute of Science and Technology, Chennai
15. Dr. T. Sasipraba, Sathyabama Institute of Science and Technology, Chennai
16. Dr. T. V. Vijaya kumar, CSIR-NML, Chennai
17. Dr. T. Narasimhaswamy, CSIR-CLRI, Chennai
18. Dr. M. Murugananthan, PSG Tech, Coimbatore
19. Dr. C. Sasikumar, MNIT, Bhopal
20. Dr. V. Jayathirtha Rao, CSIR-IICT, Hyderabad
21. Dr. J. Sreeramulu, SK University, Anantapur

Registration Fee Details:

Category	Till 05/11/2019	After 05/11/2019
PG Students	2000/-	3000/-
Research Scholars – JRF / SRF / RA / Project Assistants / Ph.D Students)	3000/-	4000/-
Faculty Members/Scientists/Post Doc.	3000/-	4000/-
Participants from Industry	4000/-	5000/-

Intimation to selected Participants: Selected participants will be intimated through E-mail or SMS. Mode of payment details will be given to selected participants only.

Accommodation: First come first serve basis and will be arranged at free of cost in the university hostels for participants.

Organizing Secretary

Dr. T. SASIPRABA
Pro-Vice Chancellor
Sathyabama Institute of Science and
Technology (Deemed to be University)
Chennai - 600 119

CONVENERS:

Dr. K. CHENNAKESAVULU
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kck@sathyabama.ac.in

Mrs. N. VASUMATHI
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CSIR-NML Madras Centre
Ph: 9144 22542077
wiimsist2020@gmail.com

Organizing Secretary

Dr. T. V. VIJAYA KUMAR
Scientist-In-Charge
CSIR-NML Madras Centre
CSIR Madras Complex
Chennai – 600 113

CO-CONVENERS:

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grr@sathyabama.ac.in

Ms. AJITA KUMARI
Scientist
CSIR-NML Madras Centre
Ph: 9144 22542077
wiimsbu2020@gmail.com
Dr. J. KARTHIKEYAN
Associate Professor
Dept. of Chemistry, SIST

TENTATIVE SCHEDULE

PARTICIPANTS: THREE BATCHES

I BATCH – 1 TO 60 PARTICIPANTS

II BATCH - 60 TO 120 PARTICIPANTS

III BATCH – 121 TO 180 PARTICIPANTS

6 TH JANUARY 2020	7 TH JANUARY 2020	8 TH JANUARY 2020	9 TH JANUARY 2020	10 TH JANUARY 2020
INAGURATION AT SATHYABAMA				
LECTURES COMMON FOR ALL THREE BATCHES I BATCH II BATCH III BATCH	I BATCH SCHEDULE: 9 A.M TO 5.00PM CSIR-NML MADRAS CENTRE	II BATCH SCHEDULE: 9 A.M TO 5.00PM CSIR-NML MADRAS CENTRE	III BATCH SCHEDULE: 9.00 TO 5.00 PM CSIR-NML MADRAS CENTRE	III BATCH SCHEDULE: 9 TO 3 LECTURES AT SATHYABAMA OR CSIR NML
SCHEDULE: 8 A.M TO 5.00PM	II BATCH SCHEDULE: LECTURES AND SATHYABAMA FACILITIES	I BATCH SCHEDULE: 9 A.M TO 5.00PM LECTURES AND SATHYABAMA FACILITIES		
	III BATCH SCHEDULE: 9.00 TO 5.00 PM LECTURES AND SATHYABAMA FACILITIES	III BATCH SCHEDULE: 10.00 TO 4.00 PM VISIT TO MAHABALIPURAM OR KANCHIPURAM		
		FEED BACK SECTION		
OVER ALL REQUIREMENT	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 5.00PM CSIR TO SATHYABAMA	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 4.00 PM CSIR TO SATHYABAMA	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 5.00 PM CSIR TO SATHYABAMA	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 5.00 PM CSIR TO SATHYABAMA
	1 BUS FULL FOR PARTICIPANT TO VISIT MAHABALIPURAM FROM 9.00 TO 5.00 PM			

PROGRAMME SCHEDULE - WIIM-2020

Venue: University Auditorium

6TH JANUARY 2020, MONDAY: REGISTRATION (08.00 A.M - 09.30 A.M)
Inaugural Function (9.30 A.M - 10.30 A.M) Chief Guest Addressing
(10.30 to 11.00 Photo session & Tea Break) (11.00 A.M-12.00 A.M)
Role PSD, Surface Area and Contact Angle in Surface Engineering Chief Guest's Invited Talk Dr. Goutam De, INST, Mohali, India
Invited talk (12.00 A.M to 1.00 P.M) D. K. SHARMA (MICROMERITICS) Managing Director, Kunash Instruments Pvt. Ltd. Mumbai
Lunch (1.00PM to 2.00PM)
Invited talk (02.00 to 3.00 P.M) Dr. S. Sundar Manoharan Vice-Chancellor Sathyabama Institute of Science and Technology (Deemed to be University) Chennai.
(3.00 P.M to 4.00 P.M) Invited Lecture Dr. Y. Jaya Prakash Rao Osmania University
Invited talk (4.00 P.M to 5.00 P.M) Introduction Facilities Available at CSIR-NML and SIST, Chennai Dr. T. V. Vijaya Kumar Dr. K. Chennakesavulu
Break (5.00 to 5.30 P.M.)
PARTICIPANT INTERACTION & DISCUSSION 5.30 to 7.00 PM

7TH JANUARY 2020, TUESDAY Invited talk (09.00 A.M - 10.00 A.M) Demo on Particle Size, Pycnometer by Dr. Ranjeeth Singh Kunash Instruments Pvt. Ltd
10.00 A.M to 10.15 A.M. (Tea Break) 10.15 to 11.15 AM Invited talk on Microscopy – Instrumentation – Interpretation of Results Dr. D. S. Rao, Senior Scientist, CSIR-IMMT, Bhubaneswar
11.15 to 12.00 AM Lecture on XRF
(12.00 AM to 1.00 P.M) Invited talk Dr. Khurana Orbit Research Pvt. Ltd, New Delhi
(Lunch 1.00PM to 2.00 PM)
Invited talk (2.00 P.M to 3.00 P.M) Dr. Y. Jaya Prakash Rao Osmania University
Invited talk (3.00 P.M to 4.00 P.M) UV-VIS, FTIR & FESEM Demo Dr. D. S. Rao, CSIR-IMMT & Dr. Y. Jaya Prakash Rao, Osmania University
Invited talk (04.00 to 5.00 P.M) Lecture on Thermo kinetics and its application by Dr. Sasikumar, MNIT, Bhopal
PARTICIPANT INTERACTION & DISCUSSION 5.30 to 7.00 PM

8TH JANUARY 2020, WEDNES DAY Invited talk (09.00 A.M – 10.00 A.M) Dr. G. Bhaskar Raju Lecture on Zetapotential measurements and it's application
10.15 to 11.15AM Microscopy – Instrumentation – Interpretation of Results Dr. D. S. Rao, Senior Scientist, CSIR-IMMT, Bhubaneswar
Session –IX (11.15 to 12.00 P.M) Lecture on XRF
(11.15 AM to 12.15 P.M) Session-XI Contact Angle, Surface Tension, Surface Energy By Dr. C. Sasikumar
(Lunch 1.00PM to 2.00 PM) LUNCH BREAK
Session –IV (2.00 P.M to 3.00 P.M) Dr. Y. Jaya Prakash Rao Osmania University
Session –IV (3.00 P.M to 5.00 P.M) UV-VIS, FTIR & FESEM Demo Dr. D. S. Rao, CSIR-IMMT & Dr. Y. Jaya Prakash Rao, Osmania University

10 TH JANUARY 2020, FRIDAY Session -X (09.00 A.M – 10.00 A.M) Dr. G. Bhaskar Raju Lecture on Zetapotential measurements and it's application
10.00 A.M to 10.15 A.M. (Tea Break) 10.15 to 11.15 AM Dr. M. Muthukumar, Central University of Kerala, Kerala.
11.15 AM to 12.00 A.M. Dr. J. Sreeramulu, S.K. D. UNIV. Anantapur
Session –XIII (1.00 P.M to 2.00 P.M) Invited Lecture –XIII FEED BACK Session And Valedictory Function
(Lunch 12.00PM to 1.00 PM) LUNCH BREAK

WORKSHOP ON INTERPRETATION OF INSTRUMENTAL METHODS (WIIM-2020)



(UV-VIS, FTIR, BET Surface Area,
Particle Size Distribution, Zeta Potential Measurement,
Contact Angle Measurement, XRF and FESEM)

06th – 10th January 2020

organized by

Department of Chemistry & International Research Centre
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University)



in association with

CSIR-NATIONAL METALLURGICAL LABORATORY
MADRAS CENTRE

CSIR Madras Complex, Taramani, Chennai – 600 113

Sponsored by



KUNASH INSTRUMENTS

LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

Certificate of Participation

This is to certify that

Dr./Mr./Ms. T. KRITHIGA, ASSOCIATE PROFESSOR,
DEPARTMENT OF CHEMISTRY
SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY

has participated in the five day Workshop on Interpretation of Instrumental Methods (WIIM-2020) organized by Department of Chemistry & International Research Centre, Sathyabama Institute of Science and Technology (Deemed to be University) in association with CSIR-National Metallurgical Laboratory Madras Centre, CSIR Madras Complex during 06th – 10th, January, 2020.

Dr. T. V. VIJAYA KUMAR

Organizing Secretary WIIM-2020
Scientist-In-Charge, CSIR-NML MC

K. Chennakesavulu

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Convener WIIM-2020, SIST

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