



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD
Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

BharatRatnaProf.CNR Rao Research Centre

Report of the Webinar on

“ICP-MS Instrument Advancements and its Extensive Application

**(PG students, Researchers of Science and Engineering disciplines
of any institution)**

Date: 03.11.2023 (Friday)

Time: 10.00 am to 12.00 pm

Venue: Prof. CNR Rao Research Centre

Report on Webinar on AFM

A webinar on "ICP-MS Instrument Advancements and its Extensive Application" was organized by Dr. P. Lalitha (Coordinator), and Dr. P. Arulpriya (Assistant Coordinator) of Bharat Ratna Prof. CNR Rao Research Centre and Master of Ceremony was delivered by Ms. P. Aruna (Research Scholar, Chemistry). The webinar was held on 03rd November 2023 from 10.00 am - 12.00 pm at Prof. CNR Rao Research Centre of our institution for Researchers of Science and Engineering disciplines of inside and outside institution via online mode.

The session began with a prayer song and it is followed by welcome address by **Dr. P. Arulpriya**, Asst. Coordinator, Prof CNR Rao RC and introductory talk delivered by **Dr. P. Lalitha**, Director, Research and Development Cell i/c. The facilities available at Bharat Ratna Prof. CNR Rao Research Centre and the various applications of ICP-MS and its significance usage were highlighted in the talk.

The webinar on "ICP-MS Instrument Advancements and its Extensive Application" was handled by **Mr. M. Suresh Thibash**, **Application Specialist, Thermo fisher Scientific, Delhi**, The session focused on the journey of Periodic table, theory about ICP-MS - Working principle, plasma, first ionization energy of elements, sample interface, quadruple, Mathieu's stability diagram, ion detection, hardware overview, interference. ICP-MS Workflow, typical workflow, sample preparation- acid mixture and etc deeply highlighted and discussed. (Due to unexpected internet issue Mr. M. Suresh Thibash, Application Specialist, Thermo fisher Scientific, Delhi, handled the session instead of Dr. Piyush Deoker)

The conclusion of the workshop was with the question and answer session. What is the lamp source used in ICP-MS, types of lamp and furnace used in AAS, limit of detection, field of usage, how the results will be more accurate than AAS are clearly explained by the speaker **Mr. M. Suresh Thibash**. Researchers belonging to Zoology, Chemistry, Biochemistry, FSMD, FSN from inside and outsiders from Excel siddha Medical College and Research Centre, Muthayammal College of Arts and Science, Mahendra Arts and Science College, Park's college, VLB Janakiammal College of Arts and Science, Pope's college, V. O. Chidambaram College, Dr NGP Arts and Science College, Hajee Karutha Rowther Howdia College, PSG College of Arts and Science, Bhaktavasalam Memorial College for Women, Jai Shriram Engineering College, CSIR-Central Leather Research Institute, National Institute of Technology, Bhopal, S N College, Mother Teresa women's University Research and extension centre, Queen Mary's College, Caplinpoint laboratories limited, Accubits Invent Pvt. Ltd., Trivandrum, Loyola college, Sri Ramakrishna College of Arts & Science, Kongunadu Arts and Science College, Kerala Forest Research Institute, Navarasam Arts and Science College for Women, and totally **152 in numbers were the beneficiaries** of the workshop.



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641 043, Tamil Nadu, India)

Bharat Ratna Prof. CNR Rao Research Centre **Webinar on**

“ICP-MS Instrument Advancements and its Extensive Application”

On 03.11.2023 (Friday), Time: 10 .00 am to 11.30 am

Dr. P. Lalitha

Director R&Di/c

Will deliver the introductory talk

Resource Person

Mr. M. Suresh Thibash

Application Specialist

Thermo fisher Scientific, Delhi

Free Registration

Eligibility-PG, Research Scholars & Faculty of relevant discipline

Registration link: <https://tinyurl.com/mrywahe4>

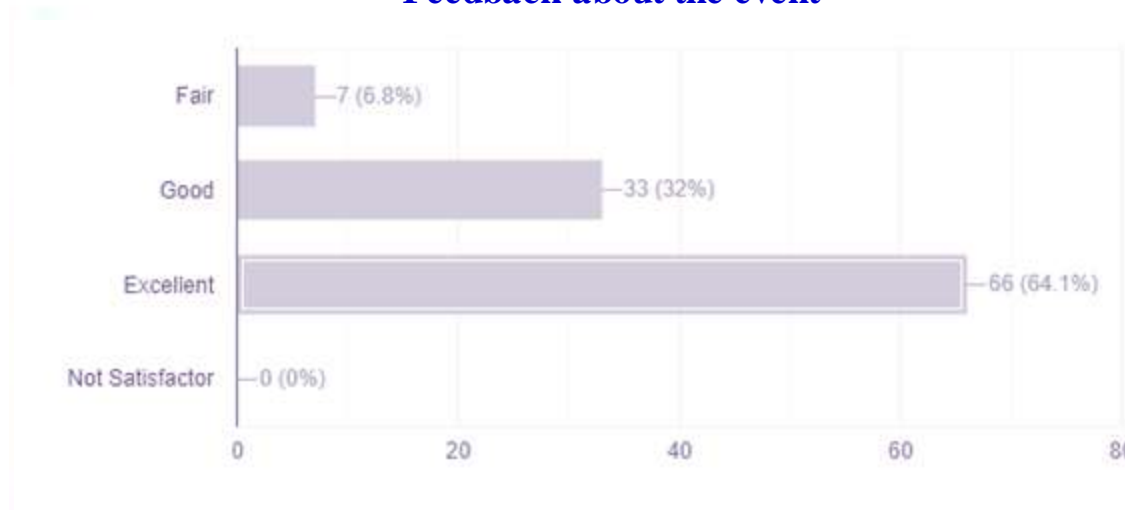
Programme

10.00 am-10.05am	:	Prayer
10.05 am-10.10am	:	Welcome Dr.P.Arulpriya Asst.Coordinator, Prof CNR Rao Research Centre, Avinashilingam Institute for Home Science and Higher Education for Women
10.10 am- 10.15 am	:	Introductory talk Dr.P.Lalitha Professor of Chemistry, Director R & D i/c, Coordinator, Prof CNR Rao Research Centre, Avinashilingam Institute for Home Science and Higher Education for Women
10.15am-11.15am	:	Theory Session Mr. M. Suresh Thibash Application Specialist, Thermo fisher Scientific, Delhi
11.00 am to 11.30 am	:	Interaction/ Feedback Session & Vote of Thanks



E-Certificate of participation (sample copy)

Feedback about the event



Suggestion given by participants

Good

Very informative

Good

All Excellent

Plz come up with similar webinars

Useful of the program

Nice presentation

Nice session

Informative session

Webinar was useful

Everything very nice

It is nice to understand

Everything is well and good

Very informative

Joined little late but, was able to attend and cherish the knowledge given by the resource person. Wish for more such webinars. Thank you

Expecting more informative webinars on latest technologies

Can conduct more on topics like energy production and storage

The session was very nice with the clear explanations by the Resource person

Good, well organized webinar

Happy day

No suggestions, the webinar was very useful.

Looking forward for more webinars and conferences. Thank you so much.

Very useful for me

Overall good

Very informative session, please conduct more webinars. Thank you

More time for interactive session

Thanks for given this opportunity, today session was very useful my research work

Workshop was good

Looking forward to attend workshop on interpretation of data

Could be conducted on hours other than College hours

The session was good

Good session

Very informative session. Thank you sir

Nice class

Nice session

we need more of this kind

Kindly provide more webinar

Nice

Useful

Informative sessions

Yeah fine and great to know about this topic and very usefull too

Fine

Informative Program

Good presentation

Attendance Sheet of the Participants

Google Meet Attendance Tracking Report

Meeting Name: tsg-bbjg-bvo

Date: 3-Nov-2023

Attendance Tracking Started At : 10:14:34 AM
Attendance Tracking Stopped At : 12:29:20 PM
Total Number of people Attended : 155
Total Meeting Duration : 2 hr 14 min 46s


S.No	Participant Name
1	21PHCSP017 SHILPA K
2	21PHCSP019 SOUMYA C
3	21PHFNF011 SRUTHIKAVYA S
4	ABINAYA CHINNARAJ
5	ABINAYA ROSHINI
6	ADITHIYALAKSHMI S 22PHFDF003
7	ADU SAMPLES
8	AISHANA VELKUMAR
9	AISHWARYA SUBRAMANIAM
10	AKHILA C PH.D CHEMISTRY F
11	ALLEN JOSEPH ANTHUVAN
12	ALLENPRINCY A P AVINUTY
13	AMMU S P
14	AMRISA PAVITHRA 21PHZOF002
15	ANJU K P AVINUTY
16	ANSI
17	ARCHANA R 22PHBCF002
18	ARL AVINUTY
19	ARUNA P
20	ARUNMOZHI M
21	ARYAJAYAKRISHNAN
22	ASWIN MOHAN
23	ATCHAYA K AVINUTY
24	B RAJALAKSHMI PH.D FSMD P
25	BAKKIYA LAKSHMI
26	BALA PREEDEBA
27	BALAJI BYSANI
28	BAMA SEGARAN
29	BHARATH S
30	BINDU B

31	BLESSY BABU
32	BUDDAIHAGARI
33	CHANDRALEKHA N R 21PHPHF001
34	D PUSHPARANI PH.D FSN F
35	DEAN_RESEARCH@AVINUTY.AC.IN AVINUTY
36	DEEPIKA EKAMBARAM
37	DEEPTHI ELLURU
38	DEEPTHI SRI R AVINUTY
39	DEVATHA S M AVINUTY
40	DR CHINNAPPAN SUDHAKAR
41	DR P VANATHI BIOTECH
42	DR. M. JANNATHUL FIRDHOUSE
43	DR. V VINITA VINJOY JERUSHA ASST. PROF./ ZOOLOGY
44	FATHIMA YUNUS.M
45	FEROZ AHMAD MIR
46	FRANK JOE
47	GAYATHRI UNNIKRISHNAN
48	GEETHA A
49	GEETHAMALA G V 21PHZOF003
50	HARINIVASHINI R AVINUTY
51	HARITHA M AVINUTY
52	ILAYARAJA
53	IQAC NAAC/IQAC
54	IRENE MARIA JOSE 22PHBTF006
55	JANANI I 21PHFNF002
56	JAYSECHRIS
57	JEEVADHARSHINI R
58	JIM THOMAS A/P BIOTECHNOLOGY
59	JYOTHI B NAIR
60	KAMATCHI KAMATCHI
61	KARTHIGA S AVINUTY
62	KARTHIGA T PH.D RM – P
63	KARTHIKA G
64	KARTHIKA G 22PHBTF003
65	KAVITHASAN
66	KAVITHA GUNASEKARAN
67	KEERTHANA M 22PHZOF003
68	KM CHHAVI MISHRA AVINUTY
69	KRISHNAN A
70	KRISHNAVENI S 21PHFNF003
71	KRITHIKA R AVINUTY
72	KUSUMA KUMARI

73	LAKSHANA S
74	LEELA VASU
75	LINCY P
76	M.SURESH THIBASH
77	MAHESHWARI THANGAM
78	MONIKA S 22PHBTF005
79	N.ILAKKIYA PECHIAPPAN
80	NAVANEETH SUBASH
81	NAYANA C
82	NEELAVENI K
83	NIRMALA K
84	PARISHMITA DUTTA AVINUTY
85	PAVAN KUMAR K
86	PAVITHRA AMMU
87	PAVITHRA R AVINUTY
88	PINKI MAHUR
89	PON NIVETHA A AVINUTY
90	POOJA R 21PHTOF002
91	PRASANNESH PRASI 10
92	PREETHI V 21PHPEP004
93	PREMAKUMARI K AVINUTY
94	PRIYA .M
95	PRIYA DARSHINI
96	PRIYADHARSHINI M S 21PHBCF003
97	PRIYANKA G
98	PROF. G. SELVA MANOHARI
99	RAAJESWARI FSN
100	RAJALAKSHMI R PH.D CHEMISTRY – F
101	RAJESH A
102	RAMANI RAMANI
103	RAMYA NAGARAJ
104	RAMYA R AVINUTY
105	RANJANI S
106	RANJINI TILAK
107	RESEARCH_CNR_RAO CNR RAO LAB
108	REVATHI K
109	REVATHI UNNIK
110	ROOBANAYAKI S AVINUTY
111	S MAHESWARI 21PHCSF006
112	SAJINI S
113	SAKTHI PRIYANKA V AVINUTY
114	SAKTHI VEL


115	SANJUPRIYA S 22PHZOF005
116	SANTHANAMBIKA M S PH.D ZOOLOGY – F
117	SARADHAMBAL M
118	SHAHLA KARUTHEDEATH
119	SHALINI IYER
120	SHANTINI M S AVINUTY
121	SHARMI LA
122	SHILPA K
123	SHILPA VIJAYAN
124	SHUBHI
125	SINDHU KAVI S
126	SINDHU M PH.D ZOOLOGY – F
127	SNEHA KUTTI
128	SRI DURGADEVI
129	SRINIVASAN SRINI
130	SUBASHINI RAMESHKUMAR
131	SUBBUKUTTI SEETHARAMAN
132	SUBHA MOSES
133	SUBHIKSHAA M 21PTF020
134	SUDHAKAR C
135	SUDHAKAR S
136	SUJA PANICKER
137	SUJANTHIYA PANNEER
138	SUJITHA M 21PHZOF001
139	SUPRIYA PATHAK PH.DHS EXTENSION-F
140	SUPRIYA SHANMUGAM
141	SURIYA M
142	SURYA S 21PHBOF002
143	SWATHIKA R S 21PHBCF005
144	THRISHA K 21PHCHF003
145	UTHRA B 21PHFNF007
146	UTTHRA B 21PHTOF003
147	V.SANTHOSHKUMAR ASST.PROF/CHE
148	VARSHINI PRIYA
149	VARUNA JAYACHANDRAN
150	VIJAY RAM
151	VINOTHINI N M.SC., ORGANIC CHEMISTRY
152	VISHALI V PH.D FSMD – F
153	VITHIYA K AP/MICROBIOLOGY
154	VYSHNAVIS AVINUTY
155	YANGCHEN DOLMA KOM

Permission Letter


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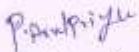
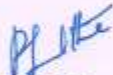
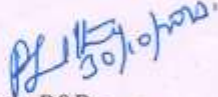
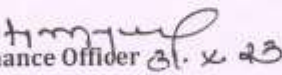
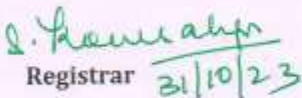
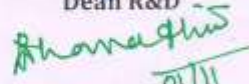
GUIDELINES/PROFORMA FOR ORGANISING CONFERENCES, SEMINARS, WORKSHOPS, FDPs & Other

Department: Bharat Ratna Prof. CNR Rao Research Centre


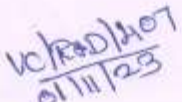


- Activity : **Webinar**
- Geographical Coverage: International Level
- Name of the Event : **ICP-MS Instrument advancement and its extensive application**
- Date(s) : 03.11.2023 (Friday) Total number of days: One
- Venue : Online
- Name & Designation of Convenor/Organizing Secretary and Team
Convenor : Dr. P. Lalitha, Director R&D i.e, Coordinator, Prof. CNR Rao RC
Organizing Secretary : Dr. P. Arulpriya, Asst. Coordinator, Prof. CNR Rao RC
- Financial Assistance Required: No financial assistance
- Details of assistance sought from other sources: -Nil-
- Details of collaborating institution, if any: -Nil-
- Detailed Proposal of the Activity
 - Aims/Objectives : To learn about the basic instrumentation and advanced material characterization involved in Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for the students and research scholars of Science and Engineering division
 - Target audience/participants with expected number: 30
Details of Sessions:
The Session covered the advancement of ICP-MS Instrumentation, Material Characterization and its effective usage in the field of science and Engineering
 - Please mention themes/topics to be covered under each Technical Session and names of National and International Resource Persons:
Technical Session: Dr. Piyush Deokar, Product Marketing Manager and Application Specialist, Thermofisher Scientific, Mumbai
 - Expected outcome: Understand the basic concept and material characterization involved in ICP-MS
- In case of International Conference and collaboration, kindly give resources for International travel and a letter from the concerned head of collaborating body. Attach Govt clearance in case of International events: -Nil-
- Registration fee : No
 - If Yes, mention proposed amount per registration
- Social Media Handles attached : No

Signatures

 Organizing Secretary	 Convenor	 Dean R&D
 Finance Officer 31.10.23	 Registrar 31/10/23	 Vice Chancellor 31/11

Date: 30.10.2023

Acknowledgement

The organizers thank the authorities of the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore for the necessary approvals and opportunity to conduct this event.

Signature of the Coordinator


Dr. P. Lalitha
Professor of Chemistry & Director R&D
& Co-Ordinator
Bharat Ratna Prof. C.N.R Rao Research Centre
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(P.LALITHA)

