

## Indian Society of Analytical Scientists (ISAS)

Mumbai (HQ)

### Webinar Series 2020 and 2021

Sl. No.	Date	Speaker	Chief Guest	Topic	
1.	4 July 2020	Dr. A.P. Jayaraman, Ex. BARC	Dr. Ajayaghosh, NIIST, Trivandrum, Inauguration of webinar2020	Bright Sparks of Analytical Chemistry in Space	ISAS HQ/Kerala
2.	11 <sup>th</sup> July 2020	Dr. R.S .Jayasree, SCTIMST		Nanosensors and Analytical Techniques for the detection of COVID-19	ISAS HQ
3.	18 <sup>th</sup> July 2020	Dr. R. Gopalan, ARCI, Chennai		Science & Technology of Key Functional Materials for Sustainable Energy Applications	ISAS HQ
4.	25 <sup>th</sup> July 2020	Dr. V. Balaram, Ex. NGRI		Spectroscopy, Society and Environment	ISAS HQ
5.	1 <sup>st</sup> Aug 2020	Prof. Anilkumar Gopinathan, VIT, Vellore		Biotechnology , a Potential Tool to Optimize Aquaculture	ISAS HQ
6.	8 <sup>th</sup> Aug 2020	Dr. R. Ratheesh, Director, CMET, Hyderabad		Sustainable environment friendly E-waste cycling Technology in India: Opportunities and Challenges	ISAS HQ
7.	14 <sup>th</sup> Aug 2020	Dr. K.N.Ninan, Former Deputy Director, VSSC, ISRO		Indian Mars Orbiter Mission: A unique Scientific Achievement	ISAS HQ
8.	22 <sup>nd</sup> Aug 2020	Dr. MRA Pillai, Group Director, Molecular Group of Companies, Kochi		Emerging Trends in the Application of Nuclear Medicine for the Diagnosis and Treatment of Cancer	ISAS HQ
9.	29 <sup>th</sup> Aug 2020	Dr. Avinash V Barathi, RCOEM, Nagpur		Environmental Remediation by Nanomaterials: A Photocatalytic Approach	ISAS HQ
10.	5 <sup>th</sup> Sep 2020	Dr. V.P. Venugopalan, Former Director, Bioscience Group, BARC		Nuclear and Biotechnological Applications for Sustainable Agriculture and Food Security	ISAS HQ
11.	12 <sup>th</sup> Sep 2020	Dr. R.B. Grover, HBNI &		Vision of Early leaders for the development	ISAS HQ

		Member, AEC		of Atomic Energy in India	
12.	19 <sup>th</sup> Sep 2020	Dr. B. Vijayakumar, ESL, Kudankulam		Nuclear Power for Clean, Green and Sustainable Energy Security	ISAS HQ
13.	26 <sup>th</sup> Sep2020 (Valedictory Meet)	Dr. Dinesh Srivastava, Chief Executive, NFC, Hyderabad	Closing Ceremony of Webinar2020	Indian Nuclear Fuel Technology, an Exemplary Success through Self reliance	ISAS HQ
14.	11 <sup>th</sup> October , 2020	Dr. K.L Sebastian, Former Professor & Dean-Research , IIT, Palakkad		Strange & beautiful world of Quantum Mechanics- Part I	ISAS Kerala
15.	12 <sup>th</sup> October , 2020	Dr. K.L Sebastian, Former Professor & Dean-Research , IIT , Palakkad		Strange & beautiful world of Quantum Mechanics- Part II	ISAS Kerala
16.	17 <sup>th</sup> October	Dr. Mahesh Hariharan, Prof & Dean , IISER, Trivandrum		A glimpse of molecular spectroscopy -Part I	ISAS Kerala
17.	18 <sup>th</sup> October	Dr. Mahesh Hariharan, Prof & Dean , IISER, Trivandrum		A glimpse of molecular spectroscopy – Part II	ISAS Kerala
18.	24 <sup>th</sup> Oct 2020	Dr. Reji Varghese , Professor, IISER , Trivandrum		Applications of spectroscopic techniques in organic chemistry- Part I	ISAS Kerala
19.	3 <sup>rd</sup> Nov2020	Dr. Reji Varghese , Professor, IISER , Trivandrum		Applications of spectroscopic techniques in organic chemistry – Part II	ISAS Kerala
20.	7 <sup>th</sup> Nov 2020	Dr. Vinesh Vijayan, Professor, IISER , Trivandrum		Introduction to statistical thermodynamics – Part I	ISAS Kerala
21.	8 <sup>th</sup> Nov 2020	Dr. Vinesh Vijayan, Professor, IISER , Trivandrum		Introduction to statistical thermodynamics- Part II	ISAS Kerala
22.	9 <sup>th</sup> November	Dr. Subi Jacob George , JNCAR, Bangalore		Towards life like dynamic materials	ISAS Kerala
23.	22 Nov 2020	Dr. Nand Lal Mishra, BARC		X-ray Absorption Techniques for Material Characterization and Environmental samples	ISAS Nagpur
24.	19 <sup>th</sup> Dec 2020	Dr. Balakrishna Poduval,Ex. HBNI & BARC		Role of Natural Immunity and Vaccine in Management of Contagious Diseases	ISAS Nagpur
25.	15 <sup>th</sup> January 2021	Dr. Dasgupta, BARC		A Journey to Graphene and its Derivatives	ISAS Nagpur

26.	30 <sup>th</sup> Jan 2021	Dr. Joshi A.S. Former Head, Advanced Laser & Optics Division, RRCAT, Indore	Dr. Venugopal, BARC <b>Inauguration of webinar2020</b>	Design and Development of High Energy, High Power Nd-Glass lasers	ISAS HQ
27.	13 <sup>th</sup> Feb 2021	Dr. Sahana MB, ARCI, Chennai	Dr. Yamuna Singh, AMD	Lithium ion Batteries and Beyond for Electric Vehicle Applications	ISAS HQ
28.	27 <sup>th</sup> Feb 2021	Dr. Sinha DK, Director,AMD	Dr. A. Agnihothri, JNARDDC	Helium Exploration in India	ISAS HQ
29.	6 <sup>th</sup> March 2021	Prof. Manjana J, RCU, Belgavi	Dr. AR Phani, Bangalore	Recover of Valuable Metals from Spent Lithium Battery	ISAS HQ
30.	13 <sup>th</sup> March 2021	Dr. John Philip, IGCAR, Kalpakkam	Dr. DK Singh, BARC	Nanotechnology: Genesis, Growth and Future Prospects	ISAS HQ
31.	20 <sup>th</sup> March 2021	Prof. (Dr) Anantha Raman, CUSAT	Dr. M. Yusaf, CUSAT	The Advent of a new non Vdw Solid in the Realm of Nanotechnology	ISAS Kerala
32.	27 <sup>th</sup> March2021	Dr. Sreeja Lakshmi, IIST, Trivandrum	Dr. K.N. Ninan, VSSC	Space Biology and Bioastronautics: The Emerging Domains of Research in India	ISAS HQ
33.	3 <sup>rd</sup> April 2021	Dr. Thacker NP, NEERI, Nagpur	Dr. Sandhya Lal, IBM,Nagpur	Management of Unintentionally Produced Persistent Organic Pollutants (UpPOPs) in India	ISAS Nagpur
34.	10 <sup>th</sup> April 2021	Dr. Balaram V, NGRI, Hyderabad	Dr. Warriar, NIIST	Microwave Plasma Atomic Emission Spectrometry: A New Analytical Tool for Geochemical, Mineral Exploration and Environment	ISAS HQ
35.	17 <sup>th</sup> April 2021	Dr. Anu Gopinath , KUFOS, Kochi	Dr. MRA Pillai, BARC	Impacts of Micro and Nano plastics in the Marine Environment	ISAS Kerala
36.	24 <sup>th</sup> April 2021	Dr. Vijayan KK, ICAR, Chennai	Dr. Sukumaran, DRDE, Gwalior	Biotechnology as Driver of Aquaculture and Blue Economy	ISAS HQ
37.	1 <sup>st</sup> May 2021	Dr. E.P. Yesodharan, CUSAT	Dr. Sugunan, CUSAT	Pollution and COVID 19: Love- Hate Relationship	ISAS Kerala
38.	8 <sup>th</sup> May 2021	Dr. Raghav Saran, AMD	Dr. D. Peshve, VNIT, Nagpur	Trace Elements, Significance and Appropriate Analytical Techniques	ISAS Nagpur
39.	15 <sup>th</sup> May 2021	Er. Gokul D, SDSC, ISRO	Dr.P. Manishankar, Trichi	Space Technology Applications- Reaching the unreached	ISAS Chennai
40.	22 <sup>nd</sup> May 2021	Prof.Chandrabhas N, Director, RGCBT, Trivandrum	Dr. K. Rajeev, SPL, VSSC	Raman Spectroscopy: From Basics to Applications	ISAS HQ

41.	29 <sup>th</sup> May 2021	Prof (Dr) Nilima Rajurkar, Pune University	Dr. MRA Pillai, BARC	Radiopharmaceuticals for Diagnosis and Therapy	ISAS Nagpur
42.	5 <sup>th</sup> June 2021	Dr. DK Dubey, Director, DRDE, Gwalior	Dr. Ratheesh, CMET	Analytical Regime of Chemical Weapons Conventions	ISAS HQ
43.	12 <sup>th</sup> June 2021	Dr. A. Agnihotri, Director, JNARDD, Nagpur	Prof. Anindya Basu, NIT, Rourkela	Aluminium the Strategic Metal, Emerging Technologies, and its importance in India	ISAS HQ
44.	19 <sup>th</sup> June 2021	Dr. Pranav Kumar, BARC	Prof. S. Ganesan, Anna University, Chennai	Electrospray Ionization Mass Spectrometry: Instrumentation and Applications	ISAS Nagpur
45.	26 <sup>th</sup> June 2021	Dr. Manchanda, Vice President, Indian Nuclear Society	Prof (Dr) Kuruville Joseph, IIST, Trivandrum	Perspectives on Separation Science and Technology	ISAS HQ
46.	3rd July 2021	Dr. Anil Kakodkar, Former Chairman, AEC	Anniversary Celebrations of ISAS Webinar Series	“Science and Technology Approach for Atma Nirbhar Bharat”	ISAS Nagpur
47.	10 <sup>th</sup> July 2021	Dr. Krishna Khairnar, NEERI-CSIR, Nagpur	Dr. GM Nair, University of Kerala	Saline Gargle RTPCR test for Covid 19 –as developed by NEERI-CSIR	ISAS HQ
48.	17 <sup>th</sup> July 2021	Prof. S.T. Nandibewoor, Karnatak University	Prof. B.S. Sherigara, Kuvempu University	Electroanalytical techniques for the determination of Biomolecules	ISAS Belgavi
49.	24 <sup>th</sup> July 2021	Dr. V. Balaram, NGRI, Hyderabad	Prof. S. Srihari, NIT, Suratkal	Climate change and Global warming- What lies ahead?	ISAS Nagpur
50.	31 July 2021	Prof. Dinesh Mohan, JNU, New Delhi	Mr. Prasoon Gargava. Director, CPCB, Western Region	Sustainable biochar- A smart solution to Biomass burning, Soil management, Water purification and Carbon sequestration	ISAS Baroda
51.	7 <sup>th</sup> August 2021	Dr.M. Shaneeth, Head, Fuel Cell Division, VSSC	Dr. Benny K George, Group Director, VSSC	Fuel Cell Green Hydrogen Economy	ISAS HQ
52.	14 <sup>th</sup> August 2021	Prof. Dinesh Rangappa, VTU, Belgavi	Prof. KS Rangappa, VC, University of Mysore	Nanomaterials for energy storage / device materials: Synthesis, processing and challenges	ISAS Belgavi
53.	21 August 2021	Mr. Agam Khare, CEO, Absolute Food	Prof. Y.C. Sharma, Director, Cyber Security Services	Future of Food- Feeding 10 billion people by 2050	ISAS Nagpur
54.	28 August 2021	Dr. GS Kapur, Director (R&D) IOCL, Delhi	Dr. KK Abdul Rasheed, Chairman, ISAS Kerala	Crafting a sustainable future for plastics through circular economy	ISAS HQ
55.	4 <sup>th</sup> Sept 2021	Dr. Virendra Kumar, BARC	Dr. AK Basu, Dy. Director, CFSL, Pune	Radiation Technology- a versatile tool with multifaceted applications	ISAS Nagpur

56.	11 <sup>th</sup> Sept 2021	Dr. Yamuna Singh, AMD	Dr. MLP Reddy, NIIST, Trivandrum	Rare earth exploration in India	ISAS HQ
57.	18 <sup>th</sup> Sept 2021	Prof.S.K. Patil, Vice Chancellor, IGKV University, Raipur	Prof. VK Manchanda Vice President, Indian Nuclear Society	Peaceful applications of Radiation Techniques in Crop Improvement and Food Technology	ISAS Baroda
58.	25 <sup>th</sup> Sept 2021	Prof (Dr) Alok Srivastava, Punjab University	Dr. Rajashree Kashalkar, Retd. Head, Chemistry Dept, SP College , Pune	Research at trace and ultra trace level using conventional and nuclear analytical techniques: an Overview	ISAS Nagpur
59.	2 <sup>nd</sup> Oct 2021	Dr. Dinesh Amalnerkar, Ex. Director, CMET, Pune & Pune Chapter Inauguration,	Former VC, North Maharashtra University, Pune	Bridging the gap between vedic and modern sciences: Nanocentric Characterisation of typical ayurveda bhasmas by ultra modern analytical techniques	ISAS Pune
60.	9 <sup>th</sup> Oct 2021	Dr. Jayaprakash, Principal Scientist, CTCRI - ICAR, Thiruvananthapuram	Dr. Sriman Narayan, Vice Chancellor, VELS Institute of STAS, Chennai	Challenges and solutions in Pest management strategies in Agriculture	ISAS HQ
61.	16 <sup>th</sup> Oct 2021	Dr. Sessa Rao, Former Scientist, AMDRE	Dr. Sudhakar Dhondge CEO, Dew Care, Kamptee	Exploration for Atomic Minerals and Applications in Nuclear Energy	ISAS Nagpur
62.	23 <sup>rd</sup> Oct 2021	Prof. Chitharanjan Hegde, NIT, Suratkal	Prof(Dr) ES Dwarakadasa, IISc	Electroplating: A facile route for Material synthesis	ISAS Belgavi
63.	30 <sup>th</sup> Oct 2021	Dr. B. Venkataraman, Director, IGCAR, Kalpakkam, Chennai	Dr. Venugopalan, BARC	Discovery of Radioactivity and the high impact of Radioisotopes and Radiation techniques on Modern development	ISAS Pune
64.	6 <sup>th</sup> Nov21	Dr. K.N. Ninan, Former Deputy Director, VSSC	Dr. RM. Suresh Babu, Former Director, HS &EG, BARC	An overview of Global warming and strategies for its mitigation	ISAS Kerala
65.	13 <sup>th</sup> Nov21	Dr. Swati Joshi, NCL, Pune	Dr. S.N. Puri, Former VC, MPKV &CAU, Imphal	Biostimulants in Agriculture	Isas Nagpur
66.	20 <sup>th</sup> Nov21	Dr. Boli Therattil, HOD, Chemistry, St. Aloysius college, Trichur, Kerala	Prof (Dr) V.Sivanandan Achari, Dean, CUSAT	The Art of Gem Identification	Isas Kerala
67.	27 <sup>th</sup> Nov21	Prof (Dr) C.K. Jayasankar, Former Pro-Vice Chancellor, Sri Venkateswara University, Tirupati	Dr. R.K. Bhandari, Former Director, VECC, DAE	Optical Optimisation of Rare earth doped glasses for laser and fiber applications	ISAS Nagpur

68.	4 <sup>th</sup> Dec2021	Dr. MLP Reddy, NIIST, Tvm	Dr. Suresh Mathew, Sr. Professor, MG University, Kottayam	Lanthanide Molecular materials as probes for bioimaging applications	ISAS HQ
69.	11 <sup>th</sup> Dec2021	Dr. Harish Barshila, NAL	Prof. K.B. Gudasi, VC, Karnatak University	Characterisation of thin and ultrathin coatings	Belgavi
70.	18 <sup>th</sup> dec2021	Dr. Sheila Srivattava, Feroz Gandhi College, Raiberalli	Prof. Kaman Singh, Dean, Baba Saheb Ambedkar University	Challenges in Fluoresis	Nagpur
71.	25 <sup>th</sup> Dec 2021	Dr. D. Navaneetham, Founder & Director Foundation For Research On Rare Diseases and Disorders	Dr. W.M.S. JOHNSON Principal, Sri Balaji Medical College & Hospital, Chennai.	Virus, Immunity and Omicron	Tamilnadu
72.	6 <sup>th</sup> Jan2022	Dr. P.K. Mohapatra, Radiochemistry Division, BARC	Dr. Manchanda, Vice President, Indian Nuclear Society	Actinide extraction in to room temperature Ionic Liquids	ISAS HQ
73.	8 <sup>th</sup> Jan2022	Dr. Vinay M. Bhandari, NCL-CSIR	Dr. Amarnath Garg, Prof, IIT, Roorkee	SWASTIIK – Safe Water & Sustainable Technology Initiative from Indian Knowledge Base	Pune
74.	15 <sup>th</sup> Jan2022	Dr. S. Ganesh, Chairman, Dept of Physics, Mangalore University	Prof. K. Siddappa Former VC, Bangalore University	Microtron and its Applications	Belgavi
75.	22 <sup>nd</sup> Jan2022	Sri S.K. Malhotra, Former Head, Public Awareness Division, DAE	Dr. PP Chandrachoodan	Contributions of DAE in the development of post independent India	ISAS HQ
76.	29 <sup>th</sup> Jan2022	Dr. R.K. Bhandari, Former Director, VECC, DAE	Dr. Sumit Som, Director, VECC	Particle accelerators for Basic research and Societal applications	ISAS HQ