

Azadi ka Amrit Mahotsav: ISAS Webinar Series

Sl. No.	Date	Speaker	Topic	Organized by
1.	4 July 2020	Dr. A.P. Jayaraman, Ex. BARC	Bright Sparks of Analytical Chemistry in Space	ISAS HQ/Kerala
2.	11 th July 2020	Dr. R.S .Jayasree, SCTIMST	Nano sensors and Analytical Techniques for the detection of COVID-19	ISAS HQ
3.	18 th July 2020	Dr. R. Gopalan, ARCI, Chennai	Science & Technology of Key Functional Materials for Sustainable Energy Applications	ISAS HQ
4.	25 th July 2020	Dr. V. Balaram, Ex. NGRI	Spectroscopy, Society and Environment	ISAS HQ
5.	1 st Aug 2020	Prof. Anilkumar Gopinathan, VIT, Vellore	Biotechnology, a Potential Tool to Optimize Aquaculture	ISAS HQ
6.	8 th Aug 2020	Dr. R. Ratheesh, Director, CMET, Hyderabad	Sustainable environment friendly E-waste cycling Technology in India: Opportunities and Challenges	ISAS HQ
7.	14 th Aug 2020	Dr. K.N.Ninan, Former Deputy Director, VSSC, ISRO	Indian Mars Orbiter Mission: A unique Scientific Achievement	ISAS HQ
8.	22 nd 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 th Aug 2020	Dr. Avinash V Bharati, RCOEM, Nagpur	Environmental Remediation by Nanomaterials: A Photocatalytic Approach	ISAS HQ
10.	5 th Sep2020	Dr. V.P. Venugopalan, Former Director, Bioscience Group, BARC	Nuclear and Biotechnological Applications for Sustainable Agriculture and Food Security	ISAS HQ
11.	12 th Sep 2020	Dr. R.B. Grover, HBNI & Member, AEC	Vision of Early leaders for the development of Atomic Energy in India	ISAS HQ

12.	19 th Sep 2020	Dr. B. Vijayakumar, ESL, Kudankulam, Tamilnadu	Nuclear Power for Clean, Green and Sustainable Energy Security	ISAS HQ
13.	26 th Sep2020 (Valedictory Meet)	Dr. Dinesh Srivastava, Chief Executive, NFC, Hyderabad	Indian Nuclear Fuel Technology, an Exemplary Success through Self reliance	ISAS HQ
14.	11 th October, 2020	Dr. K.L Sebastian, Former Professor & Dean-Research, IIT, Palakkad	Strange & beautiful world of Quantum Mechanics- Part I	ISAS Kerala
15.	12 th October, 2020	Dr. K.L Sebastian, Former Professor & Dean-Research, IIT, Palakkad	Strange & beautiful world of Quantum Mechanics- Part II	ISAS Kerala
16.	17 October 2020	Dr. V. Balaram, Ex. NGRI	Platinum group elements in road dusts, soils and waters of major world cities and their impact on the environment and human health	ISAS HQ ISAS Nagpur ISAS Tamilnadu
17.	17 th October 2020	Dr. Mahesh Hariharan, Prof & Dean, IISER, Trivandrum	A glimpse of molecular spectroscopy -Part I	ISAS Kerala
18.	18 th October 2020	Dr. Mahesh Hariharan, Prof & Dean, IISER, Trivandrum	A glimpse of molecular spectroscopy – Part II	ISAS Kerala
19.	24 th Oct 2020	Dr. Reji Varghese, Professor, IISER, Trivandrum	Applications of spectroscopic techniques in organic chemistry- Part I	ISAS Kerala
20.	3 rd Nov2020	Dr. Reji Varghese, Professor, IISER, Trivandrum	Applications of spectroscopic techniques in organic chemistry – Part II	ISAS Kerala
21.	7 th Nov 2020	Dr. Vinesh Vijayan, Professor, IISER, Trivandrum	Introduction to statistical thermodynamics –Part I	ISAS Kerala
22.	8 th Nov 2020	Dr. Vinesh Vijayan, Professor, IISER, Trivandrum	Introduction to statistical thermodynamics- Part II	ISAS Kerala

23.	9 th Nov. 2020	Dr. Subi Jacob George, JNCAR, Bangalore	Towards life like dynamic materials	ISAS Kerala
24.	22 nd Nov 2020	Dr. Nand Lal Mishra, BARC	X-ray Absorption Techniques for Material Characterization and Environmental samples	ISAS Nagpur
25.	19 th Dec 2020	Dr. Balakrishna Poduval, Ex. HBNI & BARC	Role of Natural Immunity and Vaccine in Management of Contagious Diseases	ISAS Nagpur
26.	15 th January 2021	Dr. Dasgupta, BARC	A Journey to Graphene and its Derivatives	ISAS Nagpur
27.	30 th Jan 2021	Dr. Joshi A.S. Former Head, Advanced Laser & Optics Division, RRCAT, Indore	Design and Development of High Energy, High Power Nd-Glass lasers	ISAS HQ
28.	13 th Feb 2021	Dr. Sahana MB, ARCI, Chennai	Lithium ion Batteries and Beyond for Electric Vehicle Applications	ISAS HQ
29.	27 th Feb 2021	Dr. Sinha DK, Director, AMD	Helium Exploration in India	ISAS HQ
30.	6 th March 2021	Prof. Manjana J, RCU, Belgavi	Recover of Valuable Metals from Spent Lithium Battery	ISAS HQ
31.	13 th March 2021	Dr. John Philip, IGCAR, Kalpakkam	Nanotechnology: Genesis, Growth and Future Prospects	ISAS HQ
32.	20 th March 2021	Prof. (Dr) Anantha Raman, CUSAT	The Advent of a new non Vdw Solid in the Realm of Nanotechnology	ISAS Kerala
33.	27 th March 2021	Dr. Sreeja Lakshmi, IIST, Trivandrum	Space Biology and Bioastronautics: The Emerging Domains of Research in India	ISAS HQ
34.	3 rd April 2021	Dr. Thacker NP, NEERI, Nagpur	Management of Unintentionally Produced Persistent Organic Pollutants (UpPOPs) in India	ISAS Nagpur
35.	10 th April 2021	Dr. Balaram V, NGRI, Hyderabad	Microwave Plasma Atomic Emission Spectrometry: A New Analytical Tool for	ISAS HQ

			Geochemical, Mineral Exploration and Environment	
36.	17 th April 2021	Dr. Anu Gopinath , KUFOS, Kochi	Impacts of Micro and Nano plastics in the Marine Environment	ISAS Kerala
37.	24 th April 2021	Dr. Vijayan KK, ICAR, Chennai	Biotechnology as Driver of Aquaculture and Blue Economy	ISAS HQ
38.	1 st May 2021	Dr. E.P. Yesodharan, CUSAT	Pollution and COVID 19: Love- Hate Relationship	ISAS Kerala
39.	8 th May 2021	Dr. Raghav Saran, AMD	Trace Elements, Significance and Appropriate Analytical Techniques	ISAS Nagpur
40.	15 th May 2021	Er. Gokul D, SDSC, ISRO	Space Technology Applications- Reaching the unreachable	ISAS Chennai
41.	22 nd May 2021	Prof.Chandrabhas N, Director, RGCBT, Trivandrum 9448682721	Raman Spectroscopy: From Basics to Applications	ISAS HQ
42.	29 th May 2021	Prof (Dr) Nilima Rajurkar, S.P.Pune University, Pune	Radiopharmaceuticals for Diagnosis and Therapy	ISAS Nagpur
43.	5 th June 2021	Dr. DK Dubey, Director,DRDE, Gwalior	Analytical Regime of Chemical Weapons Conventions	ISAS HQ
44.	12 th June 2021	Dr. A. Agnihotri, Director, JNARDD, Nagpur	Aluminium the Strategic Metal, Emerging Technologies, and its importance in India	ISAS HQ
45.	19 th June 2021	Dr.Pranav Kumar, BARC	Electrospray Ionization Mass Spectrometry: Instrumentation and Applications	ISAS Nagpur
46.	26 th June 2021	Dr. Manchanda, Vice President, Indian Nuclear Society	Perspectives on Separation Science and Technology	ISAS HQ
47.	3 rd July 2021	Dr. Anil Kakodkar, Former Chairman, AEC	“Science and Technology Approach for Atma Nirbhar Bharat”	ISAS Nagpur

48.	10 th July 2021	Dr. Krishna Khairnar, NEERI-CSIR, Nagpur	Saline Gargle RTPCR test for Covid 19 –as developed by NEERI-CSIR	ISAS HQ
49.	17 th July 2021	Prof. S.T. Nandibewoor, Karnatak University	Electroanalytical techniques for the determination of Biomolecules	ISAS Belgavi
50.	24 th July 2021	Dr. V. Balaram, Ex NGRI, Hyderabad	Climate change and Global warming- What lies ahead?	ISAS Nagpur
51.	31 July 2021	Prof. Dinesh Mohan, JNU, New Delhi	Sustainable biochar- A smart solution to Biomass burning, Soil management, Water purification and Carbon sequestration	ISAS Baroda
52.	7 th August 2021	Dr.M. Shaneeth, Head, Fuel Cell Division, VSSC	Fuel Cell Green Hydrogen Economy	ISAS HQ
53.	14 th August 2021	Prof. Dinesh Rangappa, VTU, Belgavi	Nanomaterials for energy storage / device materials: Synthesis, processing and challenges	ISAS Belgavi
54.	21 August 2021	Mr. Agam Khare, CEO, Absolute Food	Future of Food- Feeding 10 billion people by 2050	ISAS Nagpur
55.	28 August 2021	Dr. GS Kapur, Director (R&D) IOCL, Delhi	Crafting a sustainable future for plastics through circular economy	ISAS HQ
56.	4 th Sept 2021	Dr. Virendra Kumar, BARC	Radiation Technology- a versatile tool with multifaceted applications	ISAS Nagpur
57.	11 th Sept 2021	Dr. Yamuna Singh, AMD	Rare earth exploration in India	ISAS HQ
58.	18 th Sept 2021	Prof.S.K. Patil, Vice Chancellor, IGKV University, Raipur	Peaceful applications of Radiation Techniques in Crop Improvement and Food Technology	ISAS Baroda
59.	25 th Sept 2021	Prof (Dr) Alok Srivastava, Punjab University	Research at trace and ultra trace level using conventional and nuclear analytical techniques: an Overview	ISAS Nagpur
60.	2 nd Oct 2021	Dr. Dinesh Amalnerkar,	Pune Chapter inauguration and	ISAS HQ,

		Ex. Director, CMET, Pune	Bridging the gap between vedic and modern sciences: Nanocentric Characterisation of typical ayurveda bhasmas by ultra modern analytical techniques	ISAS, Nagpur ISAS, Pune
61.	9 th Oct 2021	Dr. Jayaprakash, Principal Scientist, CTCRI - ICAR, Thiruvananthapuram	Challenges and solutions in Pest management strategies in Agriculture	ISAS HQ
62.	16 th Oct 2021	Dr. Sessa Rao, Former Scientist, AMDRE	Exploration for Atomic Minerals and Applications in Nuclear Energy	ISAS Nagpur
63.	23 rd Oct 2021	Prof. Chitharanjan Hegde, NIT, Suratkal	Electroplating: A facile route for Material synthesis	ISAS Belgavi
64.	30 th Oct 2021	Dr. B. Venkataraman, Director, IGCAR, Kalpakkam, Chennai	Discovery of Radioactivity and the high impact of Radioisotopes and Radiation techniques on Modern development	ISAS Pune
65.	6 th Nov 2021	Dr. K.N. Ninan, Former Deputy Director, VSSC	An overview of Global warming and strategies for its mitigation	ISAS Kerala
66.	13 th Nov 2021	Dr. Swati Joshi, NCL, Pune	Biostimulants in Agriculture	Isas Nagpur
67.	20 th Nov 2021	Dr. Boli Therattil, HOD, Chemistry, St. Aloysius college, Trichur, Kerala	The Art of Gem Identification	Isas Kerala
68.	27 th Nov 2021	Prof (Dr) C.K. Jayasankar, Former Pro-Vice Chancellor, Sri Venkateswara University, Tirupati	Optical Optimisation of Rare earth doped glasses for laser and fiber applications	ISAS Nagpur
69.	4 th Dec 2021	Dr. MLP Reddy, NIIST, Tvm	Lanthanide Molecular materials as probes for bioimaging applications	ISAS HQ
70.	11 th Dec 2021	Dr. Harish Barshila, NAL	Characterisation of thin and ultrathin coatings	ISAS, Belgavi
71.	18 th dec2021	Dr. Sheila Srivattava, Feroz Gandhi College, Raiberalli	Challenges in Fluoresis	ISAS,Nagpur

72.	25 th Dec 2021	Dr. D. Navaneetham, Founder & Director Foundation For Research On Rare Diseases and Disorders	Virus, Immunity and Omicron	ISAS Tamilnadu
73.	6 th Jan 2022	Dr. P.K. Mohapatra, Radiochemistry Division, BARC	Actinide extraction in to room temperature Ionic Liquids	ISAS Nagpur
74.	8 th Jan 2022	Dr. Vinay M. Bhandari, NCL-CSIR	SWASTIIK – Safe Water & Sustainable Technology Initiative from Indian Knowledge Base	Pune
75.	15 th Jan 2022	Dr. S. Ganesh, Chairman, Dept of Physics, Mangalore University	Microtron and its Applications	Belgavi
76.	22 nd Jan 2022	Sri S.K. Malhotra, Former Head, Public Awareness Division, DAE	Contributions of DAE in the development of post independent India	ISAS HQ
77.	29 th Jan 2022	Dr. R.K. Bhandari, Former Director, VECC, DAE	Particle accelerators for Basic research and Societal applications	ISAS HQ
78.	5 th Feb 2022	Dr. Rajkumar Malayandi, Abbot Pharama	Reverse Engineering in Pharmaceuticals product development: Analytical perspective	ISAS,Baroda
79.	12 th Feb 2022	Dr. N.G. Shinde, Former Scientist, AMD, DAE	Installation & Recovery of Monazite , Xenotime & Rare earth bearing Minerals in riverine places of Siri River Areas, Jashpur District, Chhattisgarh	ISAS,Nagpur