


CSIR – CECRI @ 75 Years

JIGYASA PROGRAMME

S.No.	Title of the lecture	Name of the Scientist	Date
1.	Modern techniques to explore biological communication.	Dr. V. Murugan	02.09.2021
2.	Sustainable polymers and it's composites for high performance applications.	Dr. V. Ravi Babu	09.09.2021
3.	Multiplexed electrochemical sensors for health care monitoring.	Dr. M. Pandiaraj	16.09.2021
4.	Lithium sulfur batteries: A futurist system.	Dr. A. Manuel Stephan	24.09.2021
5.	Thermal barrier coatings for strategic applications.	Dr. G. Sreedhar	29.09.2021
6.	CO ₂ Conversion to value added products - Waste to wealth.	Dr. M. Anbu Kulandainathan	07.10.2021
7.	Electrochemical sensors for Bio & Environmental analysis.	Dr. Sindhu R Nambiar	21.10.2021
8.	Electrochemical sensors for Environmental monitoring.	Dr. J. Mathiyarasu	28.10.2021
9.	Electrifying organic synthesis.	Dr. M. Kathiresan	11.11.2021
10.	All about lead acid batteries.	Dr. Sundar Mayavan	18.11.2021
11.	Photo functional materials for solar energy conversion.	Dr. A. Pandikumar	25.11.2021
12.	How organic coating systems protect against corrosion.	Dr. C. Arunchandran	03.12.2021
13.	Basics of electrochemical energy storage and conversion.	Dr. P. Ragupathy	08.12.2021
14.	Recent advances in electrochemiluminescence based sensing protocols.	Dr. S. Senthilkumar	16.12.2021
15.	Offshore engineering marvels for Oil, Gas and wind energy.	Dr. S.M. Ganesan	23.12.2021
16.	Portable fuel cells for electronic applications.	Dr. D. Kalpana	03.01.2022
17.	Self-Assembly of Nanoparticles.	Dr. A. Palaniappan	06.01.2022
18.	Microbiologically Influenced Corrosion (MIC): Tiny Bugs, Big Problems.	Dr. Poonam Singh	12.01.2022
19.	Electrochemical Science and Technology for Societal Welfare.	Dr. V. Ganesh	20.01.2022
20.	Basic concept and origin of electron microscope.	Dr. P. Murugan	03.02.2022
21.	Fuel cell technology for automotive applications.	Dr. Akhila Kumar Sahu	10.02.2022
22.	Implantable biosensors.	Dr. P. Tamilarasan	17.02.2022
23.	Electrochemical energy storage devices: Fundamentals to applications	Dr. M. Sathish	24.02.2022
24.	Bio-interface coatings.	Dr. B. Subramanian	03.03.2022
25.	How does the metal gets eaten away?	Dr. Rakesh Chandra Barik	10.03.2022
26.	Throwing some light on light emitting materials.	Dr. N. Lakshminarasimhan	17.03.2022
27.	Importance of fuel cells for energy conversion: Its fundamentals to technology advances.	Dr. Santhoshkumar D Bhat	24.03.2022

28.	Electrochemical strategies: A bright future for water treatment.	Dr. S. Vasudevan	31.03.2022
29.	Batteries: Concepts to applications	Dr. Aiswarya Bhaskar	07.04.2022
30.	Magnetic materials and its applications.	Dr. S.T. Nishanthi	18.04.2022
31.	Food contaminants.	Dr. K. Giribabu	21.04.2022
32.	Materials in Electrochemistry: Hydrogen production & liquid fuel generation from CO ₂ for carbon neutral environment.	Dr. S.M. Senthil Kumar	28.04.2022
33.	Remediation of pulp and paper industry effluent using advance oxidation techniques.	Dr. S. Chellammal	05.05.2022
34.	Chemistry of ionic liquids - A thorough study.	Dr. V. Suryanarayanan	12.05.2022
35.	Electrochemical desalination technologies.	Dr. R. Malini	19.05.2022
36.	Photoelectrochemical sensors: Concept and applications.	Dr. C. Suresh	26.05.2022
37.	Scope of 3D printing in biomedical research.	Dr. Deepak Kumar Pattanayak	02.06.2022
38.	Fundamental and materials aspects of low temperature polymer electrolyte fuel cell.	Dr. M.U. Sreekuttan	09.06.2022
39.	Climate change and the role of Green Hydrogen	Dr. S. Ravichandran	16.06.2022
40.	Electrochemistry of conducting polymers: New concepts and applications.	Dr. C. Sivakumar	23.06.2022
41.	Green Ammonia Synthesis and its importance.	Dr. M. Anbu Kulandainathan	30.06.2022
42.	Electrochemical sensors for healthcare.	Dr. J. Mathiyarasu	07.07.2022
43.	Solar Hydrogen production: Options and opportunities.	Dr. A. Pandikumar	14.07.2022
44.	Nature and nanotechnology	Dr. S. Sudhakar	21.07.2022
45.	Li-ion batteries: Basics, Advances and Applications.	Dr. A.S. Prakash	28.07.2022
46.	Corrosion monitoring of reinforced concrete structures: Case studies.	Dr. M. Ashok	04.08.2022
47.	Corrosion behavior of steel reinforcing elements in concrete and its modelling.	Dr. J. Daniel Ronald Joseph	11.08.2022
48.	80 th CSIR Foundation day (Online Quiz).	JIGYASA – Google forms	22.09.2021
49.	IISF - 2021 (Online Quiz).	JIGYASA – Google forms	06.12.2021
50.	Children's Day (Online Quiz).	JIGYASA – Google forms	2 nd week of November 2021
51.	National science day celebrations 2022 (Online Quiz).	JIGYASA – Google forms	3 rd week of February 2022
52.	75 th CSIR-CECRI Foundation day (Online Quiz).	JIGYASA – Google forms	3 rd week of July 2022
ATL Webinars.			
53.	Plastic waste management: The way ahead.	Dr. S. Sudhakar	18.09.2021
54.	Can human bone be 3D printed?	Dr. Deepak Kumar Pattanayak	23.10.2021
55.	Water pollution challenges and solution.	Dr. Poonam Singh	20.11.2021
56.	Challenges in electro-organic synthesis.	Dr. M. Anbu Kulandainathan	18.12.2021
57.	Powering the world by sunlight.	Dr. A. Pandikumar	22.01.2022
58.	Hydrogen: Fuel of the future.	Dr. S. Ravichandran	26.02.2022

59.	Electrochemical (Bio)sensors for healthcare diagnostics: A step towards home-based healthcare devices.	Dr. V. Ganesh	19.03.2022
60.	New trends in electrochemical sensors.	Dr. J. Mathiyarasu	18.06.2022
61.	Planning for a clean and green tomorrow: Options & opportunities.	Dr. S. Vasudevan	23.07.2022
62.	Teachers Workshop	Batch I	February 2022
63.	Visit to schools: Conduct of orientation seminar on Vocational education on Additive manufacturing technology in KV, Karaikudi.	Dr. V. Ravi Babu	08.10.2021
64.	Hands on Experiments	JIGYASA Team	November 2021
65.	Scientists as Teachers/ Teachers as Scientists	JIGYASA Team	November 2021
66.	Vigyan Jyoti Program : Conduct online live webinar on Recombinant DNA Technology & Future of Transgenic Organisms - delivered talk by Dr. J. Chitra (URCW)	JIGYASA Team	27.01.2021
67.	Motivation Training Programme	JIGYASA Team	January 2022
68.	Exhibition – I	JIGYASA Team	February 2022
69.	Exhibition – II	JIGYASA Team	March 2022
70.	Science Communication Programme	JIGYASA Team	May 2022
71.	Summer Programme	JIGYASA Team	April 2022
72.	Virtual Visit	JIGYASA Team	June 2022
73.	Student Residential Programme	JIGYASA Team	July 2022
74.	DIY Kit	JIGYASA Team	August 2022
75.	Lab. Specific activities on site experiments.	JIGYASA Team	September 2022

 Program completed