

1. Societal programme conducted under JIGYASA programme:

S. No	Date	Details of Societal outcome of the R&D activities taken	Total No. of participants
1	03.01.2023-04.01.2023	CSIR-CECRI Jigyasa organized on testing of food adulteration programme under popularization of science activities for the adopted 75 students.	72 students and 10 teachers were participated in this event.
2	23.01.2023-24.01.2023	CSIR-CECRI Jigyasa organized workshop on "Solar energy materials" for School students and teachers on 23 rd & 24 th January 2023. The Workshop was consisting of lectures by scientists and research scholars, prototype model competition, elocution competition for students and quiz competition for teachers.	139 students and 25 teachers participated in this event.
3	26.07.2023	Developed and demonstration of Do It Yourself (DIY) Kit on Li-ion Battery Powered Heart Rate Monitoring System to school students.	20 students
4	26.07.2023	Developed and demonstration of Do It Yourself (DIY) Kit on Rechargeable LED Torch Light using Li-ion Battery to school students.	22 students
5	26.07.2023	The following DIY kits were Developed and demonstration to school students. There are, i) Automated Robotic arm for manufacturing kit ii) Smart solar panel for home applications iii) Home Automation Kit iv) Fire and hazard safety intimation kit v) Plant and Soil monitoring kit.	50 students
6	26.07.2023	Developed and demonstration of Do It Yourself (DIY) Kit on Solar based Li-ion battery power bank to school students	24 students
7	26.07.2023	Developed and demonstration of Do It Yourself (DIY) Kit on UV LED Kit to school students.	29 students
8	26.07.2023	Developed and demonstration of Do It Yourself (DIY) Kit on Electronic gadgets to school students	15 students
9	26.07.2023	Developed and demonstration of Do It Yourself (DIY) Kit on Super Capacitor to school students.	30 students
10	August 2023	Demonstration on Electrochemical (Bio) sensors and to development of virtual lab content on animation of Biosensor	In Jigyasa web portal Jigyasa-csir.in
11	September 2023	Created of Virtual lab content of Animation on Fuell cells(+2 CBSE NCERT book)	To be uploaded in Jigyasa web portal
12	September	Created of Virtual lab content of Animation	To be uploaded

	2023	on Electromotive force (Origin and measurement) +2 CBSE NCERT book)	in Jigyasa web portal
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2. PPT, Video and Any Other Information:

Technology Showcase:

<https://www.cecri.res.in/techshowcase/tech.aspx>

URL link to access walk-in video of the Organization and R and D facilities:

https://www.cecri.res.in/csir_cecri_video/CECRI_Video.mp4

<https://www.youtube.com/@CSIR-CECRI-KKDI>

Annual Reports:

<https://www.cecri.res.in/AnnualReport.aspx>

3. National Awards / Recognitions

Sl. No.	National Award Details
1	CSIR Young Scientist Award for the year 2021 in Chemical Sciences Dr. K. Giribabu, Scientist, CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi has been awarded the coveted "CSIR Young Scientist Award" for the year 2021 in the field of Chemical Sciences in recognition of his outstanding contributions in the area on 30-09-2021.
2	Raman Research Fellowship (2020-2021) Dr. P. Ragupathy, Senior Scientist has been awarded with the Raman Research Fellowship (2020-2021) and carried out research at Purdue University, USA from 1 st March 2022 to 31 st July 2022. Purpose of the award is to carry out research on "Design of high energy density aqueous redox flow batteries for bulk storage of electricity: A smart storage device"
3	Professor U C Pant Memorial Endowment Award (2020) Dr. S. Vasudevan, Senior Principal Scientist and Head, Electrochemical Process Engineering Division has been nominated for in recognition of his scholastic contribution in the field of Chemical Sciences by The Indian Chemical Society, Kolkata
4	Syndicate Member of Madurai Kamaraj University Dr. S. Vasudevan, Senior Principal Scientist and Head, Electrochemical Process Engineering Division has been nominated as a Member of the Syndicate of Madurai Kamaraj University by the Hon'ble Governor of Tamil Nadu.
5	Members of the Senate of Alagappa University, Karaikudi Dr. S. Senthilkumar, Principal Scientist, Electrodeposition & Electrocatalysis Division and Dr. P. Ragupathy, Principal Scientist, Electrochemical Power Sources

	Division of CSIR-CECRI have been nominated as Members of the Senate of Alagappa University, Karaikudi for a period of three years by the Hon'ble Governor of Tamil Nadu.
6	Prime Minister's Fellowship for Doctoral Research Ms. Shilpa U (20EE22J05005) (Guide: Dr. A. S. Prakash) AcSIR scholar has received Prime Minister's Fellowship for Doctoral Research with M/s. Amara Raja Batteries as Industry Partner awarded by SERB & Confederation of Indian Industry (CII)
7	Raman Research Fellowship (2023-2024) Dr. Santoshkumar D. Bhat, Sr. Prin. Scientist, CSIR-CECRI, Madras Unit, Chennai has been awarded with the Raman Research Fellowship (2023-2024) for a period of two months with effect from 15 March 2024. Purpose of the award is to carry out research on "Short-side-chain ionomer-based membrane electrolytes for unitized regenerative fuel cells with improved round trip efficiency"

4. International Awards / Recognitions

Sl. No.	International Award Details
1	Fulbright-Nehru Academic & Professional Excellence Fellowship (2020) Dr. N. Lakshminarasimhan, Principal Scientist was selected for the Fulbright-Nehru Academic & Professional Excellence Fellowship of 2020 and carried out research at Department of Chemistry, Oregon State University, Corvallis, OR, USA during April – December 2021
2	Japan Society for the Promotion of Sciences (JSPS) Award The Japan Society for the Promotion of Sciences (JSPS) has awarded a fellowship to Dr. Subbiah Alwarappan, Principal Scientist, CSIR-CECRI. The duration of the award was from 03-05-2022 to 03.03.2023. He collaborated with Prof. Tsujimura Seiya, Faculty of Pure and Applied Sciences, University of Tsukuba. The primary objective was to work on the design of carbon electrodes for cardiac marker detection. In addition various avenues to establish collaboration with various institutions in Japan for bilateral projects.
3	Raman-Charpak Fellowship-2022 Ms. Ammu Surendran, Ph.D Scholar working under the guidance of Dr. Aiswarya Bhaskar, Electrochemical Power Sources Division was awarded the prestigious Raman-Charpak Fellowship-2022 of Indo-French Centre for the Promotion of Advanced Research. The approved duration of the visit was 6 months from 01-03-2023 to 31-08-2023.
4	Guest Editorship for 'Material Advances' Dr. Subrata Kundu, Principal Scientist has been selected as Guest Editor for a theme collection on Surface Engineering of Transition Metal Based 2D Layered Materials of "Materials Advances" journal published by Royal Society of Chemistry (RSC), UK, 2023
5	Fellow of Royal Society of Chemistry (FRSC), UK Dr. Subrata Kundu, Principal Scientist has been elected as a Fellow of Royal Society of Chemistry (FRSC), UK from 14 th March 2023 to 13 th March 2024.

6	<p>Affiliate Member of the Royal Society of Chemistry (RSC), UK Dr. A. Pandikumar, Scientist, CSIR-CECRI has been admitted as “Affiliate Member” of the Royal Society of Chemistry (RSC), UK.</p>
7	<p>Associate Editorship Dr. Subrata Kundu, Principal Scientist has been appointed as Associate Editor of two prestigious journals of Royal Society of Chemistry, UK: Journal of Materials Chemistry A and Materials Advances</p>
8	<p>World's Top 2% Scientists-2023 The following Scientists of CSIR-CECRI have been recognized as WORLD'S TOP 2% SCIENTISTS-2023 in various subject categories in a database released by Stanford University, USA on October 4, 2023:</p> <ul style="list-style-type: none"> • Dr. Subrata Kundu, (Chemistry) • Dr. A. Manuel Stephen, (Energy) • Dr. S. Vasudevan, (Chemical Engineering) • Dr. B. Subramanian, (Materials Science) • Dr. M. Sathish, (Energy) • Dr. A. Pandikumar, (Materials Science) and Dr. Sheela Berchmans, (Energy)