

- **CSIR-IITR**
 - Conducted the Workshop on Genotoxicity on 14.07.2023 with 44 participants pan-India. Knowledge regarding Chromosomal aberrations, Micronucleus assay, Comet assay, and Ames test, was imparted. All these tests are pertaining to genetic toxicity caused by environmental and other factors. T
 - Inaugurated a two-day workshop on “Oxidative and Cellular Stress Assay” under the CSIR-Integrated Skill Initiative on July 27th - 28th, 2023.
 - Organized a Hands-on Training on Biostatistic for beginners during 18-21 August, 2023 and taught about data handling, experimental design, Data analysis on dummy data, different statistical software, descriptive statistics.
- **CSIR-NAL**
 - Conducted Scientist Teacher Connect Programme from 10-11 August 2023
- **CSIR-NBRI**
 - During ‘One Week One Lab’ Celebration of CSIR-NBRI following workshops and competition were organized:
 - Bonsai Technique & Dehydrated Floral Crafts on August 14, 2023. 200 participated.
 - Traditional Recipes with Millets on August 19, 2023. Out of 60 registered participants 25 were screened for the actual competition and 3 were given prizes.
 - Organized visits of students at Exposition, Herbarium & Exhibition at Central Lawn, KN Kaul block, CSIR-NBRI, Lucknow. 350 students visited the Institute.
- **CSIR-NEERI**
 - Organized following Skill Training Programs:
 - Soil Quality Assessment and Land Management from 09-10August,2023.
 - Development of Capacity on Climate Change in Water Sector from 23-24,2023
- **CSIR-NEIST**
 - Organized one day Science Motivation cum demonstration program on 11 August,2023 at Branch Laboratory, Itanagar. 50 students of Bunny’s Fantasy World School, Itanagar Arunachal Pradesh attended.
 - Organized an AI-based popular talk on the 18 August,2023 to create awareness and dissemination about AI to school students.60 students and 6 faculty members from Modern Public School, Guwahati, Assam participated.
 - Organized an AI-based awareness program on 25/08/2023 under the theme "Artificial Intelligence". 54 students along with 4 faculty members participated from Jorhat Kendriya Mahavidyalaya participated.
 - Beekeeping training and Honey bee distribution program was conducted under CSIR-Floriculture Mission at Hamren, West LarbiAnglong of Assam in collaboration with Hamren Natural Foods Processor, hamren, where 40 nos of bee colonies with bee boxes, honey extraction machine and other accessories as well as seedlings of floriculture crops have been distributed among farmers on 22 August, 2023.
- **CSIR-NGRI**
 - Organized a training program on “Hydrogeophysical Techniques for Groundwater Exploration” from July 31 - August 12, 2023 under CSIR Integrated skills development. 28 participated.
- **CSIR-NIO**
 - Organized in collaboration with The Royal Society of Chemistry, UK the Yusuf Hamied Chemistry Camp (Residential program) for Grade IX school students under

Dr Yusuf Hamied's Inspirational Science Programme from August 08 - 10, 2023. The aim of the camp is to enable students to explore the fun of Chemistry and Oceanography and encourage them to develop a long-term interest in it.

- **CSIR-NIIST**
 - In association with Kerala Govt Dept. of General Education, jointly organized Energy & Climate Awareness Programs at two different, rural Govt Higher Secondary Schools in Thiruvananthapuram. 450 students and 20 teachers participated.
 - Organized an Artificial Intelligence Awareness Program at Kendriya Vidyalaya Aakkulam, Thiruvananthapuram on Aug 17, 2023. 120 students and 12 teachers from 10 KV Schools in KV Ernakulam Cluster Participated.
 - Industry Stakeholders Meet on Spice Processing - Perspective from a consumer and commercial angle" where all the leading manufacturers in Spices processing & export sector, representatives from State and Central Govt agencies, research institutes, machinery suppliers participated and discussed about various opportunities and challenges related to spice export and value chain.
 - Industry Connect Meet on Herbal Drugs & Nutraceuticals held at CSIR-NIIST. Distinguished representatives from leading botanical drug manufacturers attended the event
- **CSIR-NML**
 - One Day NML Visit of St. Mary's English High School, Bistupur & Student-Scientist Interaction program on Introduction to AI & ML was organized on 11/08/2023. 124 participated.
 - 6th Scientific Excursion 2023 Exclusively for KAMP-NASTA Students was organized on 17/08/2023. 126 participated.
 - Organized ATL School Visit at JNV Chaibasa on 22/08/2023. 30 participated.
 - Certificate distribution on Job Oriented Training (JOT) programs on "3D printing, Basic Computer Software, Innovative product development, and Waste Management" for women at CSIR-NML organized on 28/08/2023. 65 participated.
- **CSIR-SERC**
 - Demonstration of Cost-Effective Toilet units by CSIR-SERC at Govt Panchayat Middle School, Mootaikaaran Chavadi, Chennai, on 02 August 2023.
 - Organized customized Short-Term Course on "Tall Structures" for officials of National Thermal Power Corporation Limited/ Indian Oil Corporation Limited, held during 07-11 August 2023. 15 participated.
 - Organized customized Short-Term course on 'Tall Structures' for officials of NTPC Ltd. and Indian Oil Corporation Limited (IOCL) during 7-11 August 2023.
- **CSIR-URDIP**
 - Conducted onsite IP Training Programme for IP Co-Ordinators for CSIR labs from 8-10 August 2023.
 - Along with CSIR-IPU visited CSIR-CFTR on August 24-25, 2023 to review and discuss the patent filing activity at CSIR-CFTRI.

Major Conferences, Seminar/Webinars, Workshops organized

- **CSIR Headquarters**
 - CSIR organized fourth lecture of the CSIR AMRIT Lecture Series on 25 August, 2023. The Lecture on "Basic Scientific Research: Drowned in Translation" delivered by Prof. Padmanabhan Balam, former Director, Indian Institute of Science, Bangalore & Chair Prof., National Centre for Biological Science, Bangalore.

- CSIR and its lab participated in the 26th National Science Exhibition, 2003 held at Central Park Maidan, Salt Lake, Kolkata during 24-27 August, 2023. Labs participated were CSIR-IICB, CSIR-NML.
 - Live Telecast of Chandrayan-3 soft landing event was organized at CSIR Hqrs in the presence of Hon'ble Minister (I/C) S&T Dr Jitendra Singh and Principal Scientific Advisor (PSA) to the Govt. of India, Prof A.K. Sood. The DG, CSIR, Dr. N. Kalaiselvi and Directors/Heads of CSIR Labs/Institutes along with Scientist, Technologists, School Students and other members attended the event.
 - CSIR HQ and its Labs celebrated 77th Independence Day across the Nation along with the CSIR family members.
- **CSIR-CCMB**
 - CSIR-CCMB, Hyderabad organized One Week One Lab (OWOL) campaign from 1-5 August, 2023.
 - **CSIR-CGCRI**
 - CSIR-CGCRI, Kolkata organized One Week One Lab (OWOL) campaign from 22-26 August, 2023.
 - **CSIR-CIMFR**
 - CSIR-CIMFR, Dhanbad organized One Week One Lab (OWOL) campaign from 22-26 August, 2023.
 - **CSIR-CMERI**
 - Hon'ble Minister (I/C) S&T, Dr. Jitendra Singh unveiled the e-tractor developed by CSIR-CMERI during the Curtain Raiser of OWOL of CSIR-CMERI held on 21.08.2023 at CSIR-NPL Auditorium, New Delhi.
 - **CSIR-IGIB**
 - Indo-Vietnam workshop on "Hands on training on sequencing techniques" from 2-6, August, 23
 - **CSIR-IHBT**
 - Institute organized "Pushp KrishiMela" under CSIR Floriculture Mission II on 10th August, 2023 at DIHAR, DRDO, Leh. It was inaugurated by Hon'ble Lt. Governor Brig. (Dr.) B. D. Mishra (Retd.). Chief Executive Councillor, LAHDC, Leh, Advocate Tashi Gyalsen, Member of Parliament, Ladakh, Shri Jamyang Tsering Namgyal, Shri Ravinder Kumar (IAS), Secretary Agriculture/Horticulture UT Ladakh and Dr. O.P Chaurasia, Director, DIHAR, DRDO, Leh, Ladakh were present as guest of Honour.
 - **CSIR-NAL**
 - Industry Meet for Commercialization of Eco-Friendly NALSUN-NG Coating on 30-08-2023
 - **CSIR-NBRI**
 - Organized One Week One Lab Programme during August 14-19, 2023. Each R&D area of the institute displayed and showcased their R&D achievements during the campaign. The programme was also marked by the launching of various R&D outcomes of CSIR-NBRI.
 - **CSIR-NIO**
 - Workshop on Mainstreaming Research, Technology & Innovation in Ushering Blue Economy in India was inaugurated on 17th August 2023 at CSIR- National Institute of

Oceanography, Goa, at the hands of Shri. Arunabh Bose, TM Commander, DIG, ICG, Goa and Prof. Pradeep Srivastava, Executive Director, TIFAC, DST, New Delhi in the presence of Prof. Sunil Kumar Singh, Director, CSIR-NIO, Shri. R.A. Sreepada, Sr. Principal Scientist, CSIR-NIO and Dr. RakheeKhandeparker, Principal Scientist and Organising Secretary of the programme.

- **CSIR-NML**

- 79th Research Council Meeting (09.08.2023): The meeting was chaired by Prof. Indranil Manna, Vice Chancellor, BIT Meshra, and other members present were Prof. JyotsanaMajumdar, IIT Kharagpur and Dr. DebahishBhattacharjee, Vice President, Tata Steel. Dr. AK Srivastava, Director,CSIR-NML felicitated the current RC members, as the term of the current RC will be ending soon. Other members joined in the online mode also.

Visit of high-level dignitaries to the Institute/Laboratory

- **CSIR-AMPRI**

- Ms. Vaishali Surawar, Vice President, Sustainability, Hindalco Industries Limited, Mumbai, visited on 19th August 2023.

- **CSIR-CEERI**

- Shri. Sidharth Pokharna, Additional Director General Telecom, Raj-LSA, DOT, Gol, Jaipur. Visited CSIR-CEERI Jaipur Campus on 17-08-2023

- **CSIR-CIMAP**

- Dr. Anil Prakash Joshi, Environmentalist & Padam Shri and Padma Bhushan Awardee, Dr. G.N. Singh, Advisor to Hon'ble Chief Minister, Govt. Uttar Pradesh, U.P. and Ex. Drug Controller General of India and Shri Awanish Kumar Awasthi, I.A.S. (Ret.) Administrative Advisor to Hon'ble Chief Minister, Govt. Uttar Pradesh, U.P. visited on 45th Annual Day of CSIR-CIMAP, Lucknow on 11th August, 2023

- **CSIR-CIMFR**

- On the occasion of Open Day " Vidyarthi-Jigyasa," Programme on 24.08.2023, Shri Varun Ranjan, DC, Dhanbad district graced the occasion as Chief Guest.
- On the occasion of Thematic Lecture "Gyanodaya" Shri Bhola Singh, CMD, NCL grace the Inaugural Session as Chief Guest, Shri Rajive Kumar, IFS (Retd.) Chairman, Expert Appraisal Committee MoEFCC, Govt. of India visited on 25.08.2023.
- Prof. J K Pattanayak, Director, IIT ISM as a Chief Guest on the occasion of Startup Meet (Udaan) under "One Week One Lab" Campaign on 26.08.2023
- Shri Prabhat Kumar, Director General, DGMS, Dhanbad as a Chief Guest on the occasion of Closing Ceremony (SamapanSamaroh) of "One Week One Lab" Campaign of CSIR-CIMFR.

- **CSIR-CMERI**

- Prof Chin Tsan Wang, Director & Ms. Yi Ting Chiang (Ellie), Assistant Director of S&T Division, Taipei Economic & Cultural Center visited on 23.08.23 to explore possibility of collaboration between CSIR-CMERI & Taiwanese research institutes and universities.

- **CSIR-CSIO**

- Vice Admiral Sanjay Mahindru, Deputy Chief of Naval Staff visited CSIO Prof. Giridhar U Kulkarni, President, JNCASR Bangalore visited.

- **CSIR-NBRI**

- Dr. Jitendra Singh, Hon'ble Union Minister S&T, Shri Brajesh Pathak, Deputy CM, UP Govt. Shri DS Mishra, Chief Secretary, UP Govt., Shri Surya Pratap Shahi, Hon'ble Cabinet Minister, Agriculture and Dr. Arun Kumar Saxena, Hon'ble Minister of State

(Independent Charge), Environment & Forest, UP Govt. visited during One Week One Lab Celebration (14-19 August, 2023).

- **CSIR-NIIST**

- The second day of Sravanotsav 2023, the Onam Cultural Fiesta was graced with presence of Prof. V Madhusoodanan Nair, Shri. Shyama Prasad and Shri K.K Gopalankrishnan.
- Shri. V. Sivankutty, Minister for General Education and Laborur, Govt. of Kerala graced the occasion with his presence during Onam celebrations at CSIR-NIIST.

COVID related developments/Research

- **CSIR-IGIB**

- Analysing T cell responses in PBMCs from Covid 19 patients as part of a multi centric proposal.
- Conducting host response to COVID-19 disease caused by different variants of concern (VOC) - Alpha, Delta and Omicron.
- Setting up MicroLabs in different parts of India for SARS-CoV-2 sequencing.
- Active surveillance for potential new SARS-CoV-2 variant.

- **CSIR-NEIST**

- Under the project entitled with "Spatiotemporal Dynamics of SARS-CoV-2 Variants in Wastewater Systems in Northeast India through Genomic Surveillance and Epidemiology for Forecasting its Spread "; CSIR-NEIST has been carried out the wastewater-based surveillances for SARS-CoV-2 from different wastewater bodies of Jorhat District. In the month of June-July 2023; 50 wastewater samples have been collected from different parts of Jorhat District and all samples have been tested negative.
- Establishment of the protocol for Wastewater based detection of SARS-CoV-2 and the target-based genome sequencing.
- Genome sequencing activities are in progress. However, during the month of July there is no samples received for sequencing.

Details of events celebrated to mark India@75 or Azadi Ki Amrit Mahotsav / 75 Years of Indian Independence

- **CSIR-CDRI**

- Celebrated The World Organ Donation Day on 3rd August-2023

- **CSIR-CLRI**

- CSIR-CLRI observed Indian Organ Donation Day (IODD) on 03 August 2023 to raise awareness of the importance on Organ donation and to dispel the myths and misconceptions about Organ donation.
- Blood Donation Camp was jointly organized by CSIR – CLRI & Cancer Institute (WIA), Chennai at CLRI premises on 09 August 2023.
- Zaheer Science Foundation in association with CSIR-IICT, CSIR-CLRI and CSIR-IGIB organized JIGYASA 2.0 for Kendriya Vidyalaya and other public schools from NCR region of New Delhi on 22nd August, 2023 at Udyan Marg, New Delhi.

- **CSIR-CMERI**

- Celebrated Sadbhavana Diwas on 18.08.23. The employees & staffs took pledge to work for unity & harmony of all people of India.

- **CSIR-CRRI**

- Celebrated "National Sports Day" on August 29, 2023. As part of this, a FIT INDIA PLEDGE was taken by the staff members of the Institute to promote Fitness. Large number of staff members participated in various sports activities.

- **CSIR-IHBT**
 - Director, CSIR-IHBT administered the Pledges to the staff and scholars of the Institute on the occasion of Indian organ donation day related pledge on 03.08.2023 and Sadbhavana Diwas pledge on 18.08.2023.
- **CSIR-IICT**
 - Celebrated 80th Foundation Day of CSIR-IICT on August 7, 2023. The event was graced by Prof. V. Ramgopal Rao, Vice-Chancellor of Birla Institute of Technology & Science (Pilani) as the Chief Guest and he delivered the Foundation Day lecture on “How do we create an Innovation Driven Research Eco-system in our Higher Educational Institutions”.
- **CSIR-IIIM**
 - Hosted a live telecast of the Chandrayaan 3 landing for Scientist, Technical Staff and Students of the institute. Entire staff rejoiced the momentous occasion when India scripted the history of soft landing.
- **CSIR-IIP**
 - A Pledge was taken by the Staff on the occasion of Sabbhawna Diwas on 18th August, 2023
- **CSIR-NAL**
 - Curtain Raiser Event of One Week One Lab Programme on 02-08-2023
 - Research Council Meeting of CSIR-NAL on 2nd August 2023
 - Celebrations NAL Foundation Day on 17 August 2023
- **CSIR-NEIST**
 - Celebrated the National Sports Day-2023 on 29 August, 2023 wherein the students and staff participated in various sports event in the day long program followed by the valedictory and prize distribution

DEPARTMENTAL ACTIVITIES

DSIR’s mandate is to promote Industrial Research and Development besides technology promotion, development and utilization. In order to promote and nurture Research and Development in the country, Industrial R&D Promotion Programme of the department gives recognition and registration to in-house R&D units of industries, not for profit Scientific and Industrial Research Organizations (SIROs), Public Funded Research Institutions (PFRI) and periodically renews these recognition / registration under the respective Government Notifications (as amended from time to time), by virtue of which these organizations are able to obtain Customs duty exemptions and Weighted tax deductions on R&D by Industry (under section 35(2AB) of IT Act). This scheme helps in encouraging industrial R&D in the country.

Industrial R&D Promotion Programme (IRDPP)

Recognition/ Registration and renewal of In-house R&D in Industry

- 6 in-house R&D units of industries were granted Fresh Recognition and 6 were granted Registration certificates.
- 51 in-house R&D units of industries were granted Renewal of Recognition and 56 were granted renewal of Registration certificates.

Scientific and Industrial Organization (SIRO)

- 4 SIROs were granted Fresh Recognition and 3 were granted Registration Certificates.

Public Funded Research Institutes(PFRI)

- 2 PFRIs were granted Registration certificates.
- 3 PFRIs were granted renewal of Registration certificates.

Fiscal Incentives for Scientific Research u/s 35(2AB) of IT Act 1961

- 7 in-house R&D units of industries were granted Approval in Form 3 CM u/s 35(2AB) of IT Act 1961.
- 13 in-house R&D units of industries were granted Extension of Approval in Form 3 CM u/s 35(2AB) of IT Act 1961.
- 17 Reports in Form 3 CL certifying R&D expenditures of Rs. 2127.52 Crores were issued to CCIT (E) for fiscal benefits u/s 35(2AB) of IT Act 1961.

DSIR Central Sector scheme ‘Industrial Research and Development (IRD)’ comprise of the four sub-schemes i.e (i) Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM), wherein financial assistance is extended to independent innovators for converting innovative ideas into demonstrable working models / prototypes / processes that may take the form of new or improved products, processes, or services; and assist them to become incubatees / techno-entrepreneurs, (ii) Patent Acquisition and Collaborative Research and Technology Development (PACE), wherein support shall be provided to industries and institutions for development and demonstration of innovative technologies,(iii)Building Industrial R&D and Common Research Facilities (BIRD), wherein support shall be provided for creation of Common Research and Technology Development Hubs (CRTDH) for use by entrepreneurs and industries and (iv) Access to Knowledge for Technology Development and Dissemination (A2K+) wherein studies and conferences in up-coming areas of industrial research shall be taken up besides undertaking a Technology Development and Utilization Programme for Women (TDUPW).

Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM):

2 projects namely “ An Automated Panipuri vending machine” and “ Development of Osteoporosis estimation device application” were successfully completed during the period.

Common Research and Technology Development Hubs (CRTDH) Scheme:

CRTDH –ChintanShivir-CRTDHs Empowering MSMEs was organized on 24thAugust, 2023 at CSIR-IITR, Lucknow:

- The “Chintan Shivir-CRTDHs empowering MSMEs” was organized at the Common Research and Technology Development Hub (CRTDH) at CSIR-IITR, Lucknow on 24th August 2023. The gathering was addressed by the Secretary, Department of Scientific and Industrial Research (DSIR) and Director, IITR, Lucknow and Head, CRTDH, DSIR. Officials from DSIR, IITR, Lucknow and stakeholders from MSMEs, Startups, Innovators, and Industry Associations attended the event. The event was intended to connect MSMEs/Startups/Innovators with the cutting-edge facilities of CRTDH. This event gave MSMEs, startups, and innovators a chance to learn how these resources may boost their capabilities, increase productivity, and advance innovation in the area of environmental interventions.
- First meeting of Project Guidance cum Review Committee (PGRC) for DSIR-Common Research and Technology Development Hub (CRTDH) set up at Indian Institute of

Technology Guwahati in the area of New Materials/ Chemical Processes was held on 17th August, 2023 in virtual mode.

- Second meeting of Project Guidance cum Review Committee (PGRC) for DSIR-Common Research and Technology Development Hub (CRTDH) set up at CSIR-National Chemical Laboratory (NCL), Pune in the area of New Materials & Chemical Sciences was held on 29th August, 2023 in virtual mode

Scheme A2K+:

A2K+: Studies

- Second Project Guidance cum Review Committee (PGRC) meeting was conducted on 18th August, 2023 to review technical and financial progress of the study entitled “Forecast Model to predict Leather Footwear Trade Data for the Year 2030 using Artificial Intelligence Approach” Supported to CSIR-CLRI, Chennai. PGRC was chaired by Scientist-G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PGRC from other academic institute and research institute.
- Second Project Guidance cum Review Committee (PGRC) meeting was conducted on 21st August, 2023 to review technical and financial progress of the study entitled “Assessing the Techno-commercial Status of TRL 6 and above Technologies in the field of Food Processing and Agriculture Technologies” Supported Indian Institute of Technology (ISM) Dhanbad, Jharkhand. PGRC meeting was chaired by Scientist-G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PRC from other academic institute and research institute.
- Second Project Guidance cum Review Committee (PGRC) meeting was conducted on 22nd August, 2023 to review technical and financial progress of the study entitled “Techno-commercial Assessment of TRL-6 and above Technologies developed in India, in Academia, Research Institutions, Research Labs & Industry (Sector: Materials & Manufacturing)” conducted by IIT, Jammu. PGRC was chaired by Scientist-G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PGRC from other academic institute and research institute.
- Second Project Guidance cum Review Committee (PGRC) meeting was conducted on 22nd August, 2023 to review technical and financial progress of the study entitled “Techno-commercial Assessment of TRL-6 and above Technologies developed in India, in Academia, Research Institutions, Research Labs & Industry (Sector: Transportation & Energy)” conducted by Foundation for Innovation and Technology Transfer (FITT), IIT Delhi. PGRC was chaired by Scientist-G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PGRC from other academic institute and research institute.
- Second Project Guidance cum Review Committee (PGRC) meeting was conducted on 28th August, 2023 to review technical and financial progress of the study entitled “Performance Evaluation of Advanced Dielectric Materials in Transformers” conducted by NIT, Srinagar. PGRC was chaired by Scientist-G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PGRC from other academic institute and research institute.
- Second Project Guidance cum Review Committee (PGRC) meeting was conducted on 30th August, 2023 to review technical and financial progress of the study entitled “Techno-commercial assessment of TRL-6 and above technologies developed in India in academia, research labs and industry” (Sector: Manufacturing & Electronics and Telecommunication)” Supported to Indian Institute of Technology, Roorkee (IITR). PGRC was chaired by Scientist-

G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PGRC from other academic institute and research institute.

- First Project Guidance cum Review Committee (PGRC) meeting was conducted on 30th August, 2023 to review technical and financial progress of the study entitled “A study on application of effective digital technologies for managing municipal waste in smart cities: A case of Andhra Pradesh” Supported to IIM, Vishakapatnam. PGRC was chaired by Scientist-G & Head, A2K+ Studies and attended by DSIR officials, Expert members of PGRC from other academic institute and research institute.

A2K+: Events

- 21st Meeting of the Technical Advisory Committee (TAC) of A2K+Events was held online through a virtual platform on 04.08.2023. Five screened in proposals were put up for consideration of TAC as part of the agenda. Three proposals were recommended by TAC for consideration.
- **“International Conference on Smart and Innovative Development in Science, Engineering & Technology (SIDSET-2023)”** was held at Bhilai Institute of Technology Campus Scheduled from 16.08.2023 to 18.08.2023 under A2K+ Events Program. The conference was organized by Bhilai Institute of Technology, Durg, Chattisgarh. The main objective of the conference was to promote active interaction among academicians, scientists, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Smart and Innovative Trends in Science, Engineering and Technology, to showcase all IDEA's, Lab activities, and to promote collaboration at national and international level labs. The conference was attended by 295 participants out of which 3 International Keynote Speakers, 2 National Keynote Speakers, 6 Session Chairs, 83 Research Scholars (PG Students & Research Scholars), 70 Academicians, 21 Industry Personnel with 75 Oral Presentations & 35 Poster Presentations.

Technology Development and Utilization Program for Women - TDUPW /A2K+:

- Second Project Review Committee (PRC) meeting of TDUPW Project entitled “Promotion of Stevia – A gift of Nature “0” calorie bio-sweetener – for Income Generation of Female Farmers in Chandrapur District” of AFORD, Chandrapur, Maharashtra was held on 18th August, 2023 to review technical and financial progress of the project. PRC meeting was chaired by Scientist 'G' & Head-TDUPW, DSIR and attended by DSIR officials, Expert members of PRC from other academic institute and research institute.
- **206 Women Beneficiaries** have been trained under the various ongoing TDUPW projects aiming women empowerment through technology deployment and dissemination. Imparted the training to 25 women on preparation of custard apple, 12 weavers on weaving technologies, 35 women on sericulture, 50 women on food processing, 4 women are undergoing for master trainer for imparting skills on making CFTRI model of Spices and Masala mixing, processing and packaging technologies to identified women, 45 women on Handicraft, Embroidery and Textile and 35 women on poultry and goatery.

PUBLIC SECTOR ENTERPRISES

Central Electronics Limited (CEL)

CEL is an Enterprise under DSIR having an objective to commercially exploit the indigenous technologies developed by National Labs and R&D institutions in the country. CEL has developed a number of products in the country through its own R&D efforts and it continues to emphasize its leading role in the area of solar photovoltaic systems, electronic gadgets for Railway and other strategic electronic equipment/components among others.

- The company manufactured electronic components/systems/SPV products worth Rs.1881.67 lakhs during August, 2023.
- Sale of items worth Rs. 2089.38 lakhs was realized during August 2023.

National Research Development Corporation (NRDC)

NRDC continues to lay emphasis on broadening and strengthening the technology resource base by nurturing long-term relationships with R&D institutions as well as universities, technical organizations, industries and individual inventors.

- National Research Development Corporation (NRDC) has licensed five new technologies on Spurlina Chocobar & Sprulina Cereal Bar to M/s Esynze; Graphene from Waste Plastics to M/s. Shivi Graphene; Seaweed Extract Fertilizer to M/s. Kisan Agrovet; Seaweed Extract Fertilizer to M/s. Agrolife Biotech during August 2023.
- NRDC has collected premia of Rs. 14.30 Lakhs from respective technologies during August 2023.
- A Keynote address on “Upscaling Innovation ecosystem of India through Technology Transfer” was delivered during G20 S20-Regional conclave held at Bhubaneswar.
