

**Subject: MONTHLY SUMMARY (For the month of March 2025)**

**Major achievements during the month of March 2025**

**Council of Scientific & Industrial Research (CSIR)**

**New Products/Processes/ Technologies developed**

- **CSIR-CRRI**
  - Developed Concrete Assessment Device for Drones
  - Developed Software of Automatic Vehicle Counting and Classification (AVCC) System
- **CSIR-IIP**
  - Developed process for studies of petroleum feed stock using bio based solvent
- **CSIR-NIO**
  - Developed process for Type-II collagen from jellyfish
- **CSIR-NIIST**
  - Developed process for blockchain assisted traceability for millet cultivation and processing (Database generation)
- **CSIR-NML**
  - Developed Colorized Galvanizing Coated Steel Products and its Process improved hot dip coating

**Technologies licensed/transferred**

- **CSIR-CBRI**
  - Technology for
    - Development of High Volume Fly Ash (40-50%) Gypsum Composite Plaster for interior application transferred to M/s MSP Steels and Powers Limited, Chhattisgarh on 25/03/2025.
    - Novel Cost Effective Surficial Geometric Imperfection Measurement Device transferred to M/s Ocean Enterprises, Haridwar on 27/03/2025.
- **CSIR-CFTRI**
  - Technology for
    - Coffee Concentrate transferred to M/s Pradhan Associates, Mysore
    - Instant products from Moringa Leaves transferred to M/s Elephanteer Private limited, Karnataka
- **CSIR-CIMAP**
  - Technology for Sugandha-Herbal Soap & Cleangerm- Floor Cleaner licenced to Sahaayak Nideshak Udyaan, Jila Udyaan Kaaryaalay, Gaya, Bihar on 18/03/2025.
- **CSIR-CMERI**
  - Technology for cleaning Compact Vehicle Integrated Mechanized Septic Tank transferred to M/s Ambica Industries & M/s Shubham Corporation, Gujarat on 04/03/2025.

- **CSIR-CSIO**
  - Technology for cutting-edge Air Quality Monitoring System transferred to M/s Biomimicry Technologies Pvt Ltd, New Delhi.
- **CSIR-CSMCRI**
  - Technology for the preparation of carveol and campholenic aldehyde from pinene transferred to Hello Aromachem Pvt. Ltd, Ghaziabad.
- **CSIR-IHBT**
  - Technology for Multigrain Protein Powder& Ragi banana, Ragi carrot beetroot, Rice apple and banana, Ragi green gram & Multi grain porridge mix powders transferred to Mahalaxmi Malt Products Pvt Ltd., New Delhi for providing the technology for manufacturing/ processing of on 15/03/2025 & 21/03/2025 respectively.
- **CSIR-IMMT**
  - Technology for MAX Phase transferred to M/s Reseapro Labs Pvt Ltd, Bhubaneswar on 14/03/2025.
- **CSIR-NCL**
  - Technology for Electrolyser multi-cells/short stack testing platform transferred to HORIBA India Private Limited, New Delhi on 10/03/2025.
- **CSIR-NEIST**
  - Technology for Solid Deodorant and Freshener transferred to M/s Vishvaksenah Herbs and Aromatic Pvt. Ltd, Uttar Pradesh on 18/03/2025.
- **CSIR-NIIST**
  - Technology for
    - Biodegradable tableware from rice husk transferred to M/s Royal Agro Industries, Andhra Pradesh.
    - Coconuts and coconut-based products & Coconut processing and value addition transferred to Coconut Development Board (CDB), Kochi
- **CSIR-NML**
  - Technology to recover saleable products of Cu, Al and Au as Metals/salts from waste PCBs to Eyantram Waste Management Pvt. Ltd., Bangalore.

#### Number of New Projects initiated (01/03/25-31/03/25)

Lab/Institute	CSIR	Ministry/Govt./PSU	Industry/sponsored/
CSIR-CBRI	Nil	01	10
CSIR-CCMB	Nil	01	Nil
CSIR-CDRI	Nil	02	Nil
CSIR-CECRI	Nil	02	04
CSIR-CFTRI	Nil	01	05
CSIR-CIMFR	Nil	07	23
CSIR-CLRI	Nil	03	04
CSIR-CRRI	Nil	05	04
CSIR-CSMCRI	Nil	01	Nil
CSIR-IICT	Nil	Nil	07
CSIR-IIIM	Nil	Nil	01
CSIR-IIP	Nil	Nil	02
CSIR-IITR	Nil	01	Nil
CSIR-IMMT	Nil	02	05

CSIR-IMTech	Nil	01	Nil
CSIR-NAL	Nil	01	01
CSIR-NBRI	Nil	01	Nil
CSIR-NCL	Nil	Nil	06
CSIR-NEIST	Nil	01	Nil
CSIR-NIIST	Nil	04	01
CSIR-NIO	Nil	39	54
CSIR-NML	01	04	02
CSIR-SERC	Nil	07	03

#### Number of Ph.D. scholars joined/ completed (01/03/25-31/03/25)

Lab/Institute	Completed
CSIR-CDRI	12
CSIR-CECRI	01
CSIR-CEERI	01
CSIR-CFTRI	04
CSIR-CIMFR	01
CSIR-CIMAP	03
CSIR-CMERI	01
CSIR-CSIO	03
CSIR-IHBT	06
CSIR-IICB	03
CSIR-IICT	05
CSIR-IIIM	01
CSIR-IMTech	06
CSIR-NAL	01
CSIR-NCL	01
CSIR-NBRI	03
CSIR-NEIST	01
CSIR-NIIST	04
CSIR-NIO	02
CSIR-NML	01
CSIR-NPL	06

#### National Collaborations/Agreements/MoUs Signed

- **CSIR-CBRI**
  - MoUs signed with Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital (RML Hospital), New Delhi for Fire Safety Audit.
- **CSIR-CCMB**
  - Agreement signed with TATA Steel Foundation, National Health Mission, Jharkhand to implement a Sickle Cell Anaemia Screening Program.
- **CSIR-CDRI**
  - MoUs signed to promote institutional linkage with
    - Institute of Advanced Virology, Thiruvananthapuram on 24/03/2025.
    - National Institute of Pharmaceutical Education and Research (NIPER), Ahmedabad on 21/03/2025.



- Tata Consultancy Services Ltd, Mumbai on 25/03/2025.
- **CSIR-CGCRI**
  - Agreement signed with Bhukhanvala Industries Pvt. Ltd, Mumbai to develop Advanced Ceramics Processing Technologies for Silicon Nitride, Aluminum Nitride and Silicon Carbide on 07/03/2025.
- **CSIR-CIMAP**
  - MoU signed with Bihar Animal Science University, Patna for Collaborative programs, industrial research and interdisciplinary research on 26/03/2025.
  - Agreement signed with M/s. Phlox Laboratories Private Limited, Lucknow for Market seeding of Relxomap (Anti-inflammatory pain relieving oil), Flomop (Herbal Floor Cleaner), Clean Germ (Aromatic Floor Cleaner), Mospray (Mosquito Repellent room spray).
- **CSIR-CLRI**
  - Consultancy agreement signed with M/s. Frigerio Conserva Allana Pvt. Limited, Aligarh to conduct a comprehensive environmental audit of the slaughter house on 20/03/2025.
- **CSIR-CMERI**
  - Agreements signed with M/s Ambica Industries & M/s Shubham Corporation, Ahmedabad, for Vehicle Integrated Mechanized Septic Tank Cleaning Machine on 04/03/2025.
  - MoA signed with Ministry of Housing and Urban Affairs (MoHUA), GoI, New Delhi for foster collaborative research to improve the living standards of individuals associated with sanitation on 04/03/202.
  - MoUs signed with
    - Central Manufacturing Technology Institute (CMTI), Bangalore for joint R&D efforts in Design & Manufacturing Engineering on 21/03/2025.
    - Essar Oil and Gas Exploration and Production Limited, Molandighi, Durgapur for joint R&D projects, training, utilising facilities and expertise etc on 28/03/2025.
- **CSIR-CSIO**
  - MoUs with AIIMS, Bathinda & VIT, Vellore for collaborative research on 24/03/2025.
- **CSIR-CSMCRI**
  - Agreement signed with GHCL Limited, Ahmedabad to carry out a technical services project.
- **CSIR-IHBT**
  - MoUs signed to provide distillation unit for extraction of essential oil with
    - EWOK Mid-Himalayan Farmer Producer Co. Ltd, Mandi, H.P. on 12/03/2025.
    - Dhanvantri Gram Sangathan Village Patta Jatian, Kangra, H.P. on 15/03/2025.
- **CSIR-IICT**
  - MoUs signed with
    - HAMSA Homeopathy Medical College, Hospital & Research Centre, Siddipet, Telangana to collaborate in evaluating the efficacy and safety of homoeopathic treatments on 17/03/2025.
    - Aurora Higher Education & Research Academy, Deemed University, Hyderabad, to promote cooperative research and to promote institutional linkage on 18/03/2025.
    - B. V. Raju College, Bhimavaram, Andhra Pradesh to conduct Skill Development Training Programs to U.G & P.G students on 13/03/2025.
- **CSIR-IIIM**



- MoUs signed with
  - Hapico Industries to work on Biopesticides formulation development on 20/03/2025.
  - Pharmanza Industry to work on Boswellia Serrata based phytopharmaceutical & HAAK Plant research formulation development on 27/03/2025.
- **CSIR-IIP**
  - MoU signed with Delhi Technological University, Delhi for Academic Collaboration
- **CSIR-IITR**
  - MoA signed with M/s Aashvi Technology LLP, Ahmedabad, for collaborative R&D project on 17/03/2025.
- **CSIR-IMMT**
  - MoU signed with
    - IIT Patna for Academic and Research Collaborations.
    - Mahanadi Coalfields Limited (MCL), Sambalpur, Odisha for Spontaneous Heating Potential of Coal Seams of Integrated Lakhanpur- Belphara Lilari OCP.
    - TATA Steel for Pelletization/ Briquetting and smelting studies of Low-grade chrome ore samples.
    - Jay Jagannath Greentech, Bhubaneswar for Detoxification of Spent Pot Liner Waste Material from Aluminium Industries.
    - MALCO Energy Limited, Cuncolim, Goa for Plant Audit of MALCO Energy Limited- Nickel Business Unit.
    - Vedanta Limited, Sesa Sterlite Limited, Sterlite Copper, Silvassa, for Se, Te, Cu recovery process.
- **CSIR-NAL**
  - MoU signed with Central Manufacturing Technology Institute (CMTI), Bengaluru for development of dual plane 3D weaving machine on 26/03/2025.
- **CSIR-NBRI**
  - Tripartite MoU signed with Dept. of Agriculture, Andaman and Nicobar Administration, Port Blair and ICAR-CIARI, A&N Island to support farmers for the improvement in floriculture and apiculture in the area of A&N island on 10/03/2025.
  - MoU signed with The Indian Society of Cosmetic Chemists (ISCC), Mumbai to promote research and capacity building and improvement of botanical ingredients on 24/03/2025.
- **CSIR-NML**
  - Agreement signed with Bharat Heavy Electricals Limited, Hyderabad on Creep Crack Growth (CCG) and Creep Crack Initiation (CCI) Toughness Studies on X12 steel
- **CSIR-NPL**
  - MoU Signed with The North Cap University, Gurugram for academic collaborations on 03/03/2025.

#### **International Collaborations/Agreements/MoUs Signed**

- **CSIR-CCMB**
  - MoU signed with Velux Stiftung, Zurich for investigating dysregulated immune mechanisms in chronic ocular SJS.
- **CSIR-IMMT**
  - MoU signed with CSIRO, Payment Support Centre, Australia for Titanium Dioxide Recovery and Waste Management from Vanadiferous titano-magnetite and ilmenite concentrates.

## Patents Update

Patents Filed			Patents Granted			Patent Prosecutions	
India	Abroad* (Unique Patent Application)	Abroad (Multiple Countries) *	India	Abroad* (Unique Patent Application)	Abroad (Multiple Countries) *	India	Abroad*
20	11	11	07	06	06	09	151
Number of Copyright Applications filed						12	
Number of Design Applications filed						04	

\* Data reported to IPU during March 2025 and may change later during national phase entries. The unique filed/ granted patent may appear in the next months also if its corresponding application is filed/ granted in the respective months.

## High impact S&T services

- **CSIR-CCMB**
  - Provided molecular diagnostic services for 385 families comprising 408 samples
- **CSIR-CDRI**
  - Provided analytical services to one MSME during March 2025.
  - Supplied 311 experimental animals to outside research organizations for research purposes.
  - Provided service for analysis of sample by IR (Infrared), Mass, NMR (Nuclear Magnetic Resonance) and EM (Electron Microscopy); 584 external samples analysed.
- **CSIR-CEERI**
  - Provided Semiconductor Fabrication Service to Defence Institute of Advanced Technology (DIAT), Pune
- **CSIR-CMERI**
  - Metallurgical investigation of the probable cause/causes of Failure of Boiler Tube for Tenughat Vidyut Nigam Limited, Bokaro, Jharkhand.
  - Visual inspection & non destructive evaluation Steel Silos for NTPC, Farakka.
  - Testing and Analysis of Agricultural Machine for Agricultural Machinery manufacturer.
- **CSIR-CRRI**
  - Evaluation of Distresses and suggestion for remedial measures of Hero Honda chowk Flyover & Underpass (3+3) at km 36.175 on Delhi-Gurugram Section of NH-8 for NHAI.
  - Design and technical solution for construction of new link road for connecting road from Bela BOP to BOP Silasichi, Indo-Pak Border, Kutchh-Gujarat for CPWD.
  - Design of bitumen stabilized material (BSM) mix with foamed bitumen and pavement design on the basis of given msa for SRM Contractors Ltd.
  - Pavement Design for construction of Approach Road to Cremation Ground at village Bakkarwala for Public Works Department (PWD), Delhi
  - Restoration of Rishal Garden to Airforce Bani Camp Road Baprola, Delhi for PWD.
  - Vetting of Pavement Design of Project "Chittoor to Thatchur under Bharatmala Pariyojna in Andhra Pradesh and Tamilnadu". For KCC Chittoor Highways Pvt. Ltd.
  - Determination of Resilient Modulus of WMM material using a dynamic testing facility for Tata Projects Ltd.



- Development of an Eco-friendly Biodegradable 'Natural Prefabricated Vertical Drain (NPVD)'-A Sustainable Solution for Ground Improvement of Soft Soils for National Technical Textile Mission (NTTM)
- **CSIR-IIIM**
  - Distribution of QPM of Lavender to the local farmers of Banihal.
- **CSIR-IIP**
  - Revamp Study on Existing Solvent Deoiling Unit in collaboration with Engineers India Limited New Delhi for CPCL Chennai Refinery Wax Plant.
  - Testing and evaluation of the Fire resistant hydraulic fluid for M/s. Lubrichem.
- **CSIR-IITR**
  - Third party testing of environmental parameters for NTPC, Shakti Nagar, Uttar Pradesh.
- **CSIR-NAL**
  - Upgrade of DELS facility for CLAW evaluation of LCA variants and AMCA – ADA
  - Coating of in house developed in tumescent fire retardant coating on fibre reinforced composite laminates for M/S HI-POINT Water Technologies (I) PVT. LTD.
- **CSIR-NBRI**
  - Beautification of Amrut Biodiversity Park for Delhi Deveopment Authority
  - Presented herbal gulal made from Kachnaar Flowers to Shri Ram Mandir, Ayodhya.
- **CSIR-NCL**
  - Supplied microbial strains and identification services to Industry and Academia.
- **CSIR-NIIST**
  - Prepared white paper on Transition from Fossil-Based to Bio-Based Feedstock for Chemicals for the Resource Efficiency & Circular Economy Industry Coalition (RECIEC).
- **CSIR-NML**
  - Feasibility study on reduction of Manganese ores for Tata Steel Pvt Ltd, Jamshedpur.
- **CSIR-SERC**
  - Seismic testing of Mosaic Controller Board using shake table for M/s Werner Electric Pvt. Ltd., Mysore

## Outreach Activities

- **CSIR-CCMB**
  - Organised Skill Development Training Programs on
    - Design of Fire Protection Measures for Vital Installations and Buildings” during March 2025.
    - Wildlife DNA Forensics during 17-21/03/2025; 11 participants.
    - LC-MS based Proteomics during 24-29/03/2025; 12 participants.
- **CSIR-CDRI**
  - Organised visit to Delhi Public School, Dubagga, Lucknow on 27/03/2025. 520 participants.
  - Organised Health Awareness Program at Primary & Upper Primary School, Barumau, Bakshi Ka Talab, Lucknow on 18/03/2025; 250 participants.
  - Organized a Students-Scientists Interaction Programs for
    - of Indian Institute of Sugarcane Research (IISR), Lucknow, U.P on 03/03/2025; 10 participants.
    - Nirmala Devi Pharmacy Collage, Jounpur (UP) on 07/03/2025; 59 participants.
    - Amity Institute of Biotechnology, Amity University, Lucknow (U.P.) on 11/03/2025; 22 participants.



- Jahangirabad Institute of Technology, Barabanki (UP) on 13/03/2025; 45 participants.
- Subhash Chandra Bose Institute of Higher Education, IIM Road, Lucknow (UP) on 19/03/2025; 42 participants.
- Rameshwaram Institute of Technology and Management, Lucknow(U.P.) on 25/03/2025; 60 participants.
- T. S. Misra University, Amousi, Lucknow(U.P.) on 28/03/2025; 40 participants.
- **CSIR-CECRI**
  - Organised lab visit for NIT Trichy on 26/03/2025; 32 participants.
  - Organised Lab Safety Awareness quiz competition on 03/03/2025; 30 participants.
- **CSIR-CEERI**
  - Organised lab visit for RPS Engineering college, Balana, Mahendergarh (HR.) on 11/03/2025; 65 participants.
  - Organized Energy awareness camp & installed climate clocks atJNV Nashirabad, Ajmer, JNV Rajsamand, and JNV Mavli, Udaipur, during 21-23/03/2025.
- **CSIR-CFTRI**
  - Organised Skill Development Training Programmes on
    - Fruit and vegetable processing during 04-07/03/2025& 17-19/03/2025; 18 & 40 participants respectively.
    - Osmotic dehydration of fruits and vegetables during 25-26/03/2025; 23participants.
    - Food processing and quality control during 19-25/03/2025; 25 participants.
    - Rice parboiling, milling, processing & value addition during 03-07/03/2025& 17-21/03/2025; 28& 31 participants respectively.
    - Minor millets during 10/03/2025-13/03/2025; 22 participants.
- **CSIR-CGCRI**
  - Organised Scientist Student Connect Programme on 19/03/2025; 204 participants.
  - Organised Skill Development Training Programmes on
    - Terracotta Processing06-07/03/2025; 36 participants.
    - Ceramic membrane and water technologies during 12/03/2025& 24-27/03/2025; 15&18participants respectively.
    - Ceramic Tiles, Sanitary ware and Bricks 20-21/03/2025; 35 participants.
    - Instrumental Methods for Chemical Characterization of Glass & Ceramic Materials & Testing & Calibration Techniques Related to Temperature Measurement and Control during 04-07/03/2025; 07 participants.
- **CSIR-CIMAP**
  - Organised International Women's Day celebrations on 10/03/2025; 70 participants.
  - Organised Skill Development Training Programmes on
    - Medicinal & Aromatic Plants during 03-08/03/2025; 22 participants.
    - Cultivation, processing and marketing of MAPs at Barabanki, Uttra Pradesh during 18-20/03/2025; 17 participants.
    - Making Incense Sticks and Fragrant cones on26/03/2025; 20 participants.
- **CSIR-CIMFR**
  - Organised Skill Development Training Programmes on
    - Analytical Chemistry and its Application in Soil and Water Analysis for BBMKU University and Vinoba Bhave University during 03-07/03/2025; 21 participants.
    - One Health: Integrating Human, Animal and Environmental Health for Diseases Prevention for Board Madhya Vidyalaya, Mugma on 11/03/2025; 66 participants.
- **CSIR-CLRI**
  - Organised lab visit for
    - Fathima Vidya Nikethan E.M. School, Rentachintala, A. P. on 12/03/2025; 88 participants.
    - Govt. School Krishna District, A.P. on 20/03/2025; 100 participants.
    - Khalsa College of Veterinary and Animal Sciences, Amritsar on 26/03/2025.

- Rajiv Gandhi Ground Water Training Institute in Raipur, Chhattisgarh on 03/03/2025 & 10/03/2025; 29 & 35 participants respectively.
- **CSIR-CMERI**
  - Organised training programs on Application of internet of thing(IOT), Artificial Intelligence (AI), robotics in different environments for JNV Dhanbad on 27/03/2025; 105 participants.
- **CSIR-CRRI**
  - Organised training programs on
    - Design, Construction and Quality Control in Flexible & Rigid Pavements for the MPPWD Engineers during 24-26/03/2025; 30 participants
    - The Applications of Geosynthetics in Road Infrastructure Projects for Sagi Rama Krishnam Raju Engg. College, Bhimvaram, A.P. during 18-22/03/2025; 120 participants.
- **CSIR-CSIO**
  - Organised lab visit for Govt. Model Sr. Sec. School, Sector-37 D on 19/03/25; 53 participants.
- **CSIR-CSMCRI**
  - Organised training program on Solar Salt Production Process and Quality Control Aspects at Tuticorin (Tamil Nadu) during 20- 21/03/ 2025; 47 participants.
- **CSIR-IHBT**
  - Organised lab visit for Govt. /Public Schools & colleges in the month; 3145 participants.
  - Organised Skill Development Training Programs on
    - Plant Tissue Culture Technician during 10/03/2025-10/05/2025; 01 participant.
    - Mother block and commercial cutting production in chrysanthemum on 07/03/2025.
- **CSIR-IICB**
  - Organised training program on Basic concepts of stereochemistry of organic compounds for Narayantala Ramkrishna Vidyamandir, Narayantala on 19/03/2025.
  - Organised lab visits for
    - Berhampur University, Berhampur, Odisha on 04/03/2025.
    - Atal Bihari Vajpayee University, Bilaspur, Chhattisgarh 18/03/2025.
- **CSIR-IICT**
  - Organized Students-Scientists Interaction Program for PM Shri TGMS, Bantwaram, Vikarabad on 19/03/2025; 100 participants.
  - Organised Skill Development Training Programs on
    - Advanced Synthetic Organic Chemistry on 01/03/2025; 43 participants.
    - Advance ESDP on Peptide Synthesis during 03-07/03/2025; 20 participants.
    - Basic Bioinformatics and Cheminformatics during 03-13/03/2025; 27 participants.
    - Powder X-Ray Diffraction Techniques during 18-22/03/2025.
- **CSIR-IIP**
  - Organised lab visits for
    - College students on 24/03/2025; 17 participants.
    - Ch. Charan Singh University, Meerut on 28/03/2025; 26 participants.
  - Organised Skill Development Training Programs on
    - Spectroscopic Analytical Techniques using IR during 03-07/03/2025; 11 participants.
    - Biobased Sanitary Napkins on 10/03/2025; 25 participants.
    - Analysis of Petroleum Products during 17-28/03/2025; 26 participants.
- **CSIR-IITR**
  - Organised lab visit for 366 participants.
- **CSIR-IMMT**
  - Organised Two weeks' internship for SAI International school; 15 participants.



- Organized visit of VIGYAN RATH to different schools of Durgapur, Jamshedpur and Odisha to popularized science and scientific contribution of CSIR.
- **CSIR-NAL**
  - Organised lab visits for College students on 11/03/2025 & 27/03/2025.
- **CSIR-NBRI**
  - Organised lab visit for PM Shri Kendriya Vidyalaya, BKT, Lucknow on 17/03/2025; 67 participants.
- **CSIR-NEIST**
  - Organised lab visit during the month; 112 participants.
- **CSIR-NIIST**
  - Organised lab visits for Centre for Plant Biotechnology and Molecular Biology (CPBMB), MNCE Academy and L'ecole Chempaka 'Silver Rocks' and L'ecole Chempaka International school during the month; 600 participants.
- **CSIR-NML**
  - Organised Integrated Skill Initiative Exposure training on Materials & Metallurgical process for AMITY University, Ranchi on 07/03/2025: 34 participants.
  - Organised lab visit for Gyan Ganga Public School, Dimna on 21/03/2025; 52 participants.
- **CSIR-NPL**
  - Organised training programme on Mass and Fluid Flow Metrology during 18-20/03/2025; 16 participants.

### **Conferences, Workshops, Major Events**

- **CSIR Hqrs**
  - Organised AMRIT Lecture on "Making Breakthrough: Connecting Communities and Small Companies to Nurture a Culture of Creativity" by Prof Anil Kumar Gupta, Former Professor, Indian Institute of Management, Ahmedabad & Founder, Honey Bee Network on 26/03/2025.
  - Organised International Women's Day at CSIR-NPL Auditorium on 08/03/2025.
  - Participated in Viksit Bharat Viksit Uttarakhand at Roorkee, Uttarakhand during 05-07/03/2025.
  - Participated in Tryst 25 at IIT, Delhi during 10-12/03/2025.
  - Participated in Govt. Development Scheme -Expo 25 at India Expo mart, Greater Noida, (UP) during 20-22/03/2025.
  - Participated in Rising India Development Exhibition 2025 at Guwahati, Assam during 17-19/03/2025.
  - Commemorates Janjatiya Gaurav Varsh with a sapling plantation ceremony on 24/03/2025.
- **CSIR-4PI**
  - Organised International Women's Day 2025 during 03-12/03/2025.
  - Organised Hindi workshop on 17/03/2025.
- **CSIR-CCMB**
  - Participated in Vikshit Bharat, Vikshit Uttarakhand exhibition at, Roorkee during 04-06/03/2025.
  - Organised Seminar of CCSEA on 'Laboratory Animal welfare and Ethics' on 27/03/2025.
- **CSIR-CDRI**
  - Organised Women's Health check-up and cervical cancer screening camp & celebrated International Women's day on 05/03/2025.
- **CSIR-CECRI**



- Celebrated Nobel day 2024 on 10/03/2025.
- Organised lecture at International Women Day Celebration 2025 by Smt. S. Chitra, Commissioner of Municipal Corporation, Karaikudi on 14/03/2025.
- **CSIR-CEERI**
  - Organized programme on Advanced Entrepreneurship and Skill Development Program in Advanced VLSI Design during 03-07/03/2025.
- **CSIR-CGCRI**
  - Organised lecture on Overview on Literature Review for cutting edge research on Glass and Ceramics on 13/03/2025.
- **CSIR-CIMFR**
  - Organised workshop on Rock Blasting Innovations for Safety & Efficiency (RISE-25) at NITK Surathkal during 14-15/03/2025; 210 participants.
- **CSIR-CLRI**
  - Organised lecture on Physics of Life by Prof Dr Stephan Grill, Director, Max Planck Institute of Molecular Cell Biology and Genetics on 07/03/2025.
  - Organised workshop to celebrate International Women's Day 2025.
- **CSIR-CMERI**
  - Participated in Government Development Schemes Expo-2025, held at Maniram Dewan Trade Centre, Guwahati, Assam during 17-19/03//2025.
  - Organised Nationwide Roadshow of e-tractor & e-tiller by Dr. Jitendra Singh, Hon'ble Minister of S&T at Vigyan Bhavan, New Delhi.
  - Participated in the Saurashtra Vepar Udyog Mahamandal International Trade Show 2025 at Rajkot, Gujarat, during 11-13/03/2025.
  - Celebrated International Womens Day 2025.
- **CSIR-CRRI**
  - Organised lecture on "Womens Health, Breast and Cervical Cancer" by Dr. Renita Bhamrah (Oncology), Director (Scientific Services), Syneos Health & celebrated International Women's Day 2025 on 06/03/2025 & 03-10/03/2025 respectively.
- **CSIR-CSIO**
  - Organised WISETech- Women in STEM on 04/03/2025.
  - Organised Inter-Institutional Research Scholar Day on 18/03/2025.
- **CSIR-CSMCRI**
  - Celebrated the International Womens Day - 2025 on 13/03/2025.
- **CSIR-IHBT**
  - Participated in Stakeholder Meet in Andaman and Nicobar Island at Jawaharlal Nehru Rajkeeya Mahavidyalaya (JNRM) during 11-13/03/2025.
  - Hosted the Nationwide Roadshow for E-Tractor and E-Tiller at Palampur on 20/03/2025.
  - Celebrated International Womens Day 2025 during 03-09/03/2025.
  - Organized Capacity Building Program for Village Forest Management Societies (VFMS) members and forest field staff on value natural resource-based products during 18-19/03/2025.
  - Established a vertical garden at Naadbramha Music academy, Palampur.
- **CSIR-IICB**
  - Organised lecture on Journey of a non-conformist scientist: from Green algae to Tuberculosis by Prof. Seyed E. Hasnain, Padma Shri Awardee, Distinguished Professor at Sharda University, NCR and National Science Chair at IIT, Delhi on 03/03/2025.
  - Celebrated International Womens Day 2025 during 04-13/03/2025.
- **CSIR-IICT**
  - Celebrated International Womens Day 2025.

- Organised National Science Seminar on 10/03/2025.
- Participated in the National Science Day celebrations Vigyan Vaibhav at Gachibowli Stadium on 01/03/2025.
- **CSIR-IIIM**
  - Organised Annual Flower Show
  - Organised 1600th Tree Talk session on Biodiversity
  - Organised Advanced Entrepreneurship Program on Medicinal and Aromatic Plants
  - Showcased the CSIR-CMERI's e-Tractor & e-Tiller at its field station Chatha farms
  - Organised Floritech Conclave
  - Organised MSME workshop on Crop Diversification through Medicinal and Aromatic Plants in Rainfed Areas for Doubling Farmers' Income.
- **CSIR-IITR**
  - Organised Women in Academia, Research & Management for Empowering Successful Transformations (WARMEST 2025) during 06-08/03/2025.
- **CSIR-IMMT**
  - Organised National Conference on Sustainable Science and Technology for Viksit Bharat during 06-07/03/2025.
- **CSIR-NAL**
  - Celebrated International Womens Day 2025.
- **CSIR-NBRI**
  - Organised Bougainville Festival on during 08-09/03/2025.
  - Organised Bonsai Making Workshop for women to celebrate International Womens Day 2025 on 25/03/2025; 100 participants.
- **CSIR-NCL**
  - Organised symposium on "Recent Advances in Organic Chemistry" and Catalysis-2025" on 19/03/2025.
- **CSIR-NEIST**
  - Celebrated International Women's Day 2025 during 06-10/03/2025.
  - Inaugurated a new geranium cultivation and farmer training centre on 13/03/2025.
- **CSIR-NIO**
  - Organised INSA-SCOR National Workshop on Biogeochemical Cycling in the Indian Ocean during 06-08/03/2025.
- **CSIR-NIIST**
  - Celebrated International Women's Day 2025 during 03-9/03/2025.
  - Organised conclave on Sustainable Packaging Solutions for Net-Zero Future.
  - Organised lecture on National Science Day by Prof. Rohit Srivastava, Vigyan Shri 2024 awardee and Himanshu Patel Chair Professor, IIT Bombay on 28/02/2025.
  - Organised a session on Regulatory Frameworks: Navigating Food Industry Compliance by MoFPI/NIFTEM-K at AAHAR event held at New Delhi on 04/03/2025.
- **CSIR-NISCPR**
  - Organised workshop with DDGD Vaishnav College, Chennai on "Capacity Building in Indian Knowledge Systems: Documentation, Validation and Communication " on 04/03/2025.
- **CSIR-NML**
  - Celebrated International Women's Day 2025 during 03-9/03/2025.
  - Celebrated National Science Day 2025 on 10/03/2025.



- **CSIR-NPL**
  - Celebrated International Women's Day 2025 during 03-9/03/2025.
  - Organised training on Introduction to ISO/IEC 17043:2023 & ISO 13528:2022 conducted by BSI under the UK Standard Partnership Programme from 17-20/03/2025.
  - Celebrated World Meteorology Day on 24/03/2025.
- **CSIR-SERC**
  - Celebrated International Women's Day 2025 during 08-20/03/2025.

### **Visit of high level dignitaries**

- **CSIR-4PI**
  - Shri. Amit Aggarwal, Secretary, Department of Pharmaceuticals to participate in a meeting of promotion of research & innovation in Pharma MedTech Sector.
  - Dr. Hemant Darbari, Mission Director, NSM with his team visited to discuss on installation of NSM 4PF GPU system.
- **CSIR-CCMB**
  - Consul-General of France in Bengaluru visited on 13/03/2025.
  - A delegation of 20 German universities' top management visited on 18/03/2025.
- **CSIR-CRRI**
  - A delegation from Turkey visited for "Developing Universal Aging Protocol for Bitumen and Asphalt Mixtures Based on Climate Change Effect with Artificial Intelligence" during 06-09/03/2025.
- **CSIR-CSIO**
  - Dr. Sushil Chandra, Former Scientist G, DRDO-INMAS India & Dean at Rishihood University, visited to deliver a talk on Immersive AI in Assistive Technology on 27/03/2025.
- **CSIR-IICT**
  - A delegation of 20 German universities' top management visited on 18/03/2025.
- **CSIR-IIIM**
  - Dr Jitendra Singh, Honorable Minister of S&T visited during the showcasing of CSIR-CMERI's e-Tractor & e-Tiller at its field station Chatha farm.
- **CSIR-NBRI**
  - Mr. Pierrick Fillon-Ashida, First Counsellor, Head of Section, Research and Innovation, Delegation of the European Union to India visited for Bougainvillea Festival on 08/03/2025.
- **CSIR-NML**
  - Professor S K Kawatra, Chair and Professor, Michigan Technological University, Houghton, Michigan, USA, visited to deliver 3rd Platinum Jubilee lecture on Big Picture of Iron Ore Processing"
- **CSIR-NPL**
  - Dr. Jitendra Singh, Hon'ble Minister of S&T and Prof. Ajay Kumar Sood, PSA, GoI visited for International Womens Day week celebration on 08/03/2025.
  - Mr. Abhirup Dasgupta (Head - Economic Co-operation Programmes, British High Commission in India) and Mr. Steve Sidney (BSI trainer, Senior International Expert) visited for Training on 'Introduction to ISO/IEC 17043:2023 and ISO 13528:2022



- Dr. Mrutyunjay Mohapatra (Honble DGM, IMD) & Dr. Manish Naja (Director, ARIES, DST) visited for World Meteorology Day celebration.

### **Honours/ Awards**

- **CSIR-CDRI**
  - Dr. Nilanjana Majumdar, Senior Scientist, Division of Medicinal and Process Chemistry, honoured with the Thieme Chemistry Journals Award.
- **CSIR-CLRI**
  - Dr Ayyadurai N, Senior Principal Scientist, received the ASC-Masila Vijaya Award in the High-Impact Research Publication category from The Academy of Sciences, Chennai, on 18/03/2025.
- **CSIR-IICT**
  - Dr. S. Sridhar, Chief Scientist, received the Outstanding Scientist Award 2025 by National Federation for Entrepreneurship Development (NFED) on 15/03/2025.
  - Dr Debasish Swain, Scientist received the Young Scientist Award 2024 by the Indian Society of Analytical Scientists (ISAS).
- **CSIR-SERC**
  - Dr. N. Anandavalli, Chief Scientist & Director, CSIR-SERC, received the "ICI-Ultratech Awards 2024 - Outstanding Women Concrete Engineer" on 06/03/2025.

### **DEPARTMENTAL ACTIVITIES**

DSIR is the nodal department for granting recognition to in-house R&D units established by corporate companies, Scientific and Industrial Research Organizations (SIROs) and registration to Public funded research Institutions like universities, IIT's, IISc, Regional Engineering College (RECs) other than hospitals. R&D units recognized by DSIR are eligible for customs duty and weighted tax deductions on R&D expenditures by Industry.

### **Industrial R&D Promotion Programme (IRDPP)**

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

- 21 in-house R&D units of industries were granted Recognition & Registration certificates.
- 115 in-house R&D units of industries were granted renewal of Recognition & renewal of Registration certificates.

#### **Scientific and Industrial Organizations (SIRO)**

- 7 SIROs were granted Recognition and 4 SIROs were granted Registration Certificates.

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

- 5 in-house R&D units of industries were granted Approval in Form 3 CM & 2 in-house R&D units were granted Extension of Approval u/s 35(2AB) of IT Act 1961.
- 22 Reports in Form 3 CL certifying R&D expenditures of Rs 985.88 Crores for tax benefits u/s 35(2AB) of IT Act 1961.

**DSIR Central Sector scheme 'Industrial Research and Development (IRD)'** comprises of the four sub-schemes (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):**

##### **Four innovation projects were successfully completed during the month:**

- Automatic Power Generating Arrangement Employing Synchronous Dynamo Electric Machine.
- Automatic Mechatronic Device for Blood Component Extractor.
- Energy Efficient Air conditioner using a customized Ejector.
- Redesign of the Traditional Handloom

##### **A2K+ Events:**

The following two events partially supported by DSIR were successfully organized:

- Event on “Emerging opportunities in new technologies for engineering manufacturing and exports” was organized on 24<sup>th</sup> March 2025, in New Delhi by EEPC India. Over 70 participants from Industry attended the seminar.
- Event on “World Sustainable Development Summit (WSDS)’ was organized from 5<sup>th</sup> - 7<sup>th</sup> March 2025, in New Delhi by TERI. Around 1527 in-person delegates including government representatives, academia, industry, students etc. attended the event.

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

Around 427 Women Beneficiaries were trained during the month of March, 2025 in the field of Sericulture, Aquaculture, food fortification and processing, Ready to Eat food preparation & packaging, paper recycling, handicraft/handloom, agri-technology under various on-going projects supported under TDUPW/A2K+ sub-scheme of IRD Program of DSIR.

#### **Asian & Pacific Centre for Transfer of Technology (APCTT):**

The following activities have been carried out during the month:

- The Department provided Pledge for Contributions to ESCAP Program of Work and Regional Institutions for 2025.

- The Department examined and provided comments on draft resolution on 'Establishment of Digital Solutions Centre'.
- The department examined the draft Resolution tabled by Kazakhstan and provided comments on the draft text of the proposed Resolution.

## **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 through its own R&D efforts and 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. 2892.01 lakhs during the month.
- Sale of electronic components/systems/SPV products worth Rs. 13228.14 lakhs was realized during the month.

### **National Research Development Corporation (NRDC)**

The Corporation continued to lay emphasis on broadening and strengthening the technology resource base by nurturing long-term relationships with R&D institutions, Universities as well as industry.

- The Corporation licensed following two technologies to industries for commercialization:
  - T Barsonil and Barsonil External Powder- a Unani Formulation
  - Indelible Ink
- The Corporation signed following MoUs for Technology licensing and providing IPR assistance:
  - AP Pollution Control Board
  - NABARD Consultancy Services
  - Indian Centre for Plastics & Environment ( ICPE)
  - Rajagiri College of Social Sciences ( RCSS), Kerala
- Dr. Rafi Ahmad from Inland Norway University of Applied Sciences visited NRDC to explore potential Indo-Norwegian partnership in Biotechnology & innovation.

\*\*\*\*\*