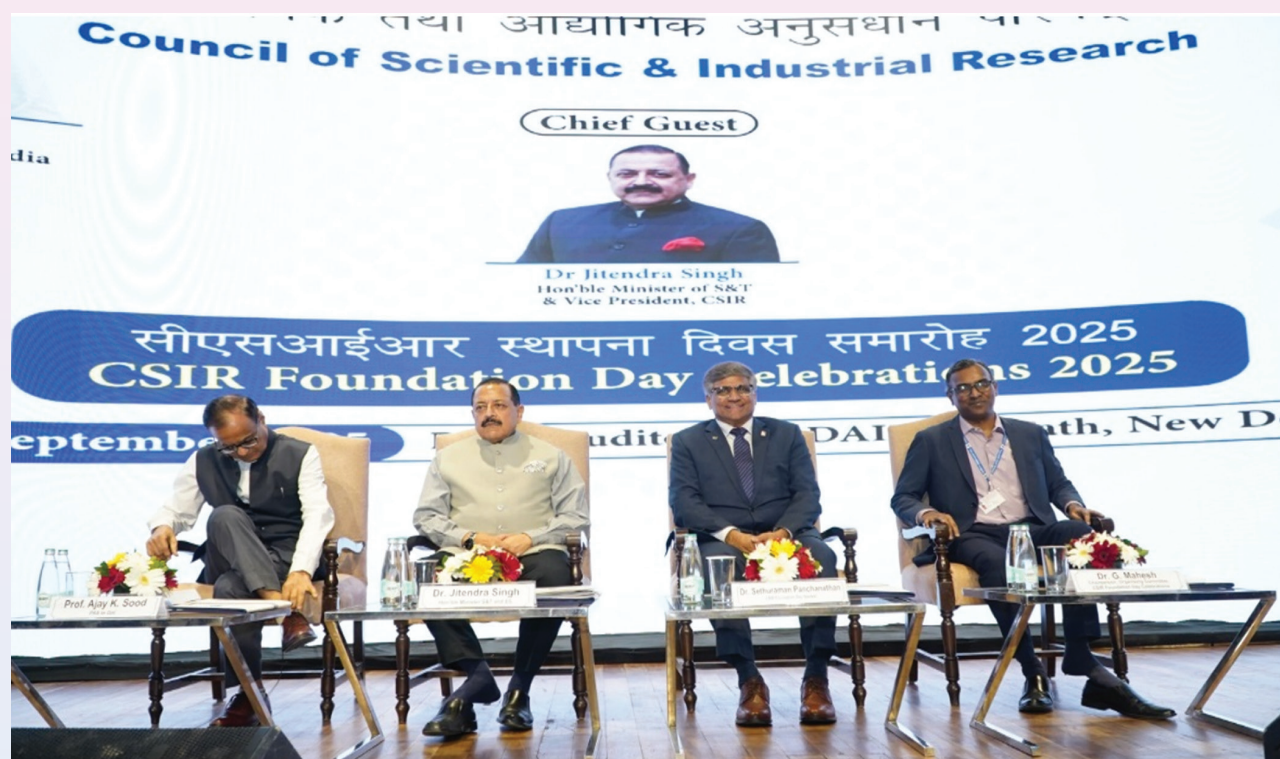


In The News

84th CSIR Foundation Day 2025



The CSIR celebrated its 84th Foundation Day on 26 September 2025 at Bhim Auditorium, Dr Ambedkar International Centre (DAIC), Janpath, New Delhi, with great fervour. The programme witnessed the participation of scientists, researchers, academicians, industry representatives, and students.

Dr Jitendra Singh, Hon'ble Minister of Science & Technology and Vice President, CSIR, graced the event as the Chief Guest, and inaugurated the programme formally

by lighting of the ceremonial lamp, along with Prof. Ajay Kumar Sood, Principal Scientific Adviser to the Government of India, Dr Sethuraman Panchanathan, Former Director, US National Science Foundation, and Dr G Mahesh, Chairperson, Organising Committee, CSIR Foundation Day 2025.

Dr N Kalaiselvi, Director General, CSIR, joined the event virtually, wherein, in her welcome address, she highlighted the continuous journey of CSIR leveraging

Dr N Kalaiselvi emphasised the vital role of CSIR in shaping India's vision for a Viksit Bharat 2047.



Research and Development (R&D) to deliver practical, impactful solutions, support industries, nurture startups, and strengthen societal transformation. She further emphasised the vital role of CSIR in shaping India's vision for a Viksit Bharat 2047.

On this occasion, the Compendium on CSIR Technology Transfer Commitments (TTC) 2030 was formally released, followed by the release of a video showcasing CSIR's commitments towards #ViksitBharat2047. These initiatives reflect CSIR's resolve to accelerate technology commercialisation and deepen industry partnerships across the nation.

Prof. Ajay Kumar Sood delivered a special address outlining India's S&T roadmap and highlighted a) ₹1 Lakh Cr RDI corpus for industry-academia collaboration, b) Complete technological sovereignty — tech & components, c) Govt-industry partnerships driving the vision forward, d) Public purpose-driven, e) Mastery in semiconductors, AI, clean tech & emerging areas, and f) India must secure a seat at the high table of AI UAV &

anti-drone tech critical for defence indigenisation. He also emphasised that R&D & innovation are pillars of self-reliance and a globally leading Viksit Bharat 2047.

In his presidential address, Dr Jitendra Singh emphasised a three-pronged approach of awareness, affordability, and accessibility to ensure that the benefits of science and technology reach every section of society.

Hon'ble Minister highlighted some of CSIR's major success stories that have earned national and international recognition over the past decade, including:

- Steel Roads developed by CSIR-CRRI, New Delhi
- Hansa Aircraft by CSIR-NAL, Bengaluru
- Preservation of the original script of the Indian Constitution by CSIR-NPL, New Delhi
- Purple Revolution and Lavender cultivation by CSIR-IIIM, Jammu
- Paracetamol production process by CSIR-NCL, Pune
- Export-quality personalised footwear by CSIR-CLRI, Chennai



- Millet-based recipes by CSIR-CFTRI, Mysuru
- 108-petal Lotus variety by CSIR-NBRI, Lucknow
- Tulip and floriculture advancements by CSIR-IHBT, Palampur

He appreciated CSIR scientists and innovators for their dedication

CSIR Model Super Store

On the occasion of CSIR Foundation Day 2025, the CSIR organised a three-day Exhibition-cum-Sale of Products developed from CSIR Technologies and already available in the market. The event was organised in the form of CSIR Model Super Store set-up at Dilli Haat, INA, New Delhi, from 24 to 26 September 2025.

A wide range of CSIR-based products were showcased under various categories such as Healthcare & Hygiene, Leather-like Products from Plant-based Materials, Agri & Food Products, Cosmetics & Herbal Products, Floriculture Products, Ceramic Products and Science Publications. These products, developed through CSIR's innovative technologies and manufactured by licensed

to translating scientific research into technologies that directly benefit people, industries, and the nation's economy.

Dr Sethuraman Panchanathan, Former Director, US National Science Foundation, delivered the Foundation Day-cum-AMRIT Lecture of CSIR on the theme "Innovation Anywhere, Opportunities Everywhere: Advancing Science, Technology and Innovation Frontiers for Global Good." He shared insights on fostering global collaborations, nurturing innovation ecosystems, and empowering talent to drive inclusive scientific growth.

The event concluded with a vote of thanks proposed by Dr G Mahesh.

partners, were displayed and made available for sale to the general public.

CSIR booked 10 stalls at Dilli Haat and invited its technology licensees to participate and occupy the stalls free of cost, thereby providing them an excellent platform to showcase and sell their products directly to consumers.

Dr Jitendra Singh, Hon'ble Minister of Science & Technology, Government of India, inaugurated the CSIR Model Super Store on 24 September 2025. He was accompanied by Ms Bansuri Swaraj, Hon'ble Member of Parliament, New Delhi Constituency, and Dr N Kalaiselvi, Director General, CSIR.

During his visit, Dr Jitendra Singh interacted with the

Dr Jitendra Singh appreciated CSIR scientists and innovators for their dedication to translating scientific research into technologies that directly benefit people, industries, and the nation's economy.

A wide range of CSIR-based products were showcased under various categories.

participating licensees, appreciated their efforts, and commended CSIR's initiative for bringing lab-developed technologies closer to the public through this "CSIR Model Super Store" concept. He acknowledged it as a visionary step toward promoting "Lab to Market to Masses", ensuring that innovations reach and benefit common citizens. Stall-wise list of participated CSIR labs and products is as follows:

Stall no	CSIR Lab	Products List
Stall 1	CSIR-CIMAP	Agarbatti/Incense sticks, Dhoop sticks, Dhoop cones, Havan cups, Essential oils, Detoxifying Body Wash with Aloe Vera & Lime, Geranium 2 in 1 Anti-Dandruff Shampoo with Menthol Herbs, Anti-Hairfall Bhringraj & Amla Shampoo with Reetha & Shikakai, Vitamin C Orange Face Wash, Acne Preventive Face Wash with Neem & Aloe Vera, Mosquito Repellent Room Spray, Lemon Fresh Floor Wash - Infused with Lemon Grass & Cedarwood Essential Oils 500ML, Herbal Hygiene Mint Liquid Sanitizer Spray 500ML, 100% Pure Rose Water Mist & Face Toner Spray, Shankhpushpi Anti-Hair Fall Oil, Pain Relief Oil
Stall 2	CSIR-AMPRI, CSIR-NIIST	D-tox Neer Water Filter, Leather-like Products from Plant-based Materials, such as handbags and wallets.
Stall 3	CSIR-CFTRI	Instant traditional food: Rasam, Instant traditional food: Sambar, Fermented and dehydrated ready mix for Idli/Dosa Batter, Convenience flour from Ragi suitable for stiff porridge, Preparation of Ready to Cook Multigrain whole mix for drink/porridge, Instant gravy mixes (dehydrated), Gongura Leaf Powder, Preparation of ready-to-eat shelf stable egg crunchy bite, Lemon Pickle, Mango Pickle, Sweet Ginger Pickle, Tomato Pickle, Gongura Pickle
Stall 4	CSIR-IIIM	Lavender/Rosemary Soaps, Lavender/Rosemary Essential Oils, Lavender Tea, Lavender/Rosemary Hydrosols, Dandelion Dry Roots, Rose Petals Dry, Lavender Bath Salts, Rosemary Bath Salts, Rose Bath Salt, Rosemary Soap, Rose Soap, Lavender & Cedarwood Soap, Lavender & Rosemary Soap, Lavender & Lemongrass Diffuser, Aroma Balm, Lavender & Rosemary Agarbatti, Lavender & Rosemary Hair Oils

Stall 5	CSIR-CSMCRI, CSIR-CCMB	Sagarika Liquid 100/ 200 ml, Sehat Bhog 1kg (Improved Samba Mahsuri)
Stall 6	CSIR-IIP	PNG Burner
Stall 7	CSIR-IHBT	Aloevera Concentrate, Aloe vera Turmeric, Aloevera Ashwagandha, Aloevera Kiwi with Chia Seeds, Aloe vera Mango Juice, Aromatherapy Candle, Massage Candles, Solid Perfume, Travel Spray Perfume 30 ml, 100 ml Spray Perfume, Rose Water, Reed Diffuser, Acacia Honey, Kesar Honey (Infused), Lemon Grass Honey (Infused), Honey Gulkand, Honey Jam (Mix Fruits, Strawberry, Pineapple), Millet Multiseeds Cookie, Badiyan, Millets, Floral Frames, Multi-Grain High Protein Shakti Mix, Pearl Millet Panjeeri, Barnyard Millet Panjeeri, Mixed Millet Panjeeri, Multi-Millet High Protein Panjeeri, Sorghum Millet Panjeeri
Stall 8	CSIR-NEIST	Herbal Mosquito Repellent Cream, Herbal Mosquito Repellent Incense Sticks, Herbal Mosquito Repellent Spray, Herbal Mosquito Repellent Vapouriser, Ace Derma Gel, Skar Vanish Gel, Dr Pimple Gel, V-1 Jointment, V-1 Plus Oil, Decaffeinated Tea
Stall 9	CSIR-CGCRI	Ceramics products
Stall 10	CSIR-NIScPR	Science publications

The CSIR stalls received an overwhelming response from visitors. Many were surprised and impressed to learn that the products they were purchasing were developed through indigenous CSIR technologies. The exhibition successfully enhanced public awareness about CSIR's contribution to science-led entrepreneurship and innovation.

Among participating labs, three CSIR labs have reported the sale revenue of their licences as follows:

- CSIR-CIMAP, Lucknow: Two licensees — M/s. VYOM Organics Pvt. Limited & M/s Pakiriti Divine sold their product for an amount of ₹ 50,000/- (approximately) during the period.

- CSIR-IIIM, Jammu: Two startups — M/s JK Aroma and M/s Ridayu Botanics participated. M/s JK Aroma achieved sales worth ₹ 80,000/-.
- CSIR-CFTRI, Mysuru: Two licensees — M/s Gain Industrial Centre, Erode (LUB Erode Cluster) and M/s Maja Nature Foods, Bellary, participated and sold products of about ₹ 20,000/- each during three days of participation in the event.

Other labs, such as CSIR-NIIST, have reported positive feedback from their licensees and have also been informed of numerous inquiries for bulk orders of their products.

Dr Jitendra Singh interacted with the participating licensees, appreciated their efforts, and commended CSIR's initiative for bringing lab-developed technologies closer to the public through this "CSIR Model Super Store" concept.

Dr Jitendra Singh said the garden would act as a hub for biodiversity conservation and entrepreneurship, while also emerging as a new tourism destination.

During the occasion, “Decaffeinated Black Tea” — the first of its kind in India, produced using an indigenous technology developed by CSIR-NEIST, Jorhat, was officially launched and transferred to two industry partners, M/s Jalans Investments Private Limited, Dibrugarh, and M/s Gangwal Healthcare Pvt. Ltd, Mumbai, for commercialisation.

Visitors highly appreciated CSIR’s initiative and suggested organising similar exhibitions at regular intervals in various cities to provide wider visibility and market opportunities to CSIR licensees. Such campaigns not only promote CSIR-developed technologies but also strengthen the ecosystem for technology commercialisation, rural livelihoods and entrepreneurship in the country.

Dr Jitendra Singh Inaugurates India’s First Swastik ‘Lotus Garden’ at Lucknow



Chief Minister Uttar Pradesh, Yogi Adityanath and Union Minister Dr Jitendra Singh addressed the 2-day Startup Conclave organised by the Ministry of Science & Technology, Govt of India during 14-15 September. In addition, Dr Jitendra Singh, on 15 September, inaugurated India’s first Swastik-shaped

“Lotus Garden” at the Bora CSIR-National Botanical Research Institute (CSIR-NBRI), Lucknow, while also addressing the CSIR Startup Conclave 2025 in the presence of Uttar Pradesh Chief Minister Yogi Adityanath.

The newly developed Swastik Lotus Garden, spread across 930 sq m, is the first of its kind in

the country. It houses 60 varieties of lotus sourced from across the world and 50 taxa of water lily, with conservation ensured through advanced genetic methods, light exposure regulation, and scientific treatments.

Among its highlights is the NBRI-Namoh 108, the world's first 108-petal lotus developed at Lucknow. Dr Jitendra Singh said the garden would act as a hub for biodiversity conservation and entrepreneurship, while also emerging as a new tourism destination. "This is not only a unique conservation effort, it is also a platform for creating new opportunities in floriculture, wellness, and agri-based industries," Dr Jitendra Singh remarked. He added that the facility symbolises the government's vision of linking science with livelihoods.

Chief Minister Yogi Adityanath, addressing the conclave, lauded CSIR's initiatives in Uttar Pradesh and assured full support from the state government. He said that with its large pool of institutions and skilled manpower, the state was well-positioned to play a leading role in India's science and startup journey.

Dr Jitendra Singh explained that the decision to host the Startup Conclave in Lucknow was part of the government's effort to decentralise science and innovation events. "We have consciously taken national-level programmes out of Delhi to cities like Jammu, Hyderabad, Mumbai, Bhubaneswar, and now Lucknow. This ensures science reaches aspirational towns where potential

is immense," he said. The Minister highlighted that nearly 50 per cent of India's startups now come from tier-2 and tier-3 cities. Referring to Startup India, launched in 2015, he said, "From just 350 startups, India today has over 2 lakhs, nearly 60 per cent of them led by women. This marks a transformation in how we view employment and entrepreneurship."

Pointing to the achievements of CSIR institutions in Lucknow, Dr Jitendra Singh cited the development of the Namoh 108 lotus, pest-resistant cotton, and innovative work in floriculture under the Floriculture Mission, which offers new livelihood options to farmers and entrepreneurs. He also recalled the city's contribution to pharmaceutical research, with 13 new drug candidates developed locally, including for cancer and fatty liver disease. The Minister further noted that Lucknow was the birthplace of globally consumed Menthol products and the popular Mint tablet. "The mint lozenge that the world knows was developed here. Today, our scientists are working on new value-added products such as herbal mouth fresheners, creating strong markets," he said. Linking these scientific contributions with the city's cultural identity, Dr Jitendra Singh said, "Lucknow is not only about its monuments like the Imambara. It is also about innovations like the 108 petal lotus and mint-based products. This is the face of New India."

The conclave, attended by scientists, entrepreneurs, and industry representatives,

Yogi Adityanath, addressing the conclave, lauded CSIR's initiatives in Uttar Pradesh and assured full support from the state government.

Prof. Anil Kumar Tripathi, IISER, highlighted how CSIR has touched the lives of Indians in the last eight decades, and institutions like CSIR-IMTECH have driven science with a purpose.

underscored the government's vision of building a collaborative ecosystem where research institutions, industry, and society work together to drive innovation. With the inauguration of the Swastik Lotus Garden and the convergence

of science, startups, and policy at the CSIR Conclave, Lucknow, has signalled its emergence as a growing hub in India's scientific and entrepreneurial landscape.

Adapted from PIB

CSIR-IMTECH Celebrates 84th CSIR Foundation Day



Prof. Anil Kumar Tripathi, Director, IISER Mohali, delivering 84th CSIR Foundation Day Oration

The 84th Foundation Day of CSIR was celebrated on 8 October 2025 at the CSIR-Institute of Microbial Technology (CSIR-IMTECH), Chandigarh, with a prestigious Foundation Day Lecture delivered by Prof. Anil Kumar Tripathi, who is presently the Director of Indian Institutes of Science Education and Research (IISER), Mohali.

This year's Foundation Day Lecture, delivered by Prof. Tripathi, focused on "The Saga of Human Civilisation through Inquiry, Invention and Innovation" and gave several examples to outline

the difference between invention and innovation in day-to-day life. In his opening remarks, he highlighted how CSIR has touched the lives of Indians in the last eight decades and institutions like CSIR-IMTECH have driven science with a purpose. Prof. Tripathi gave a broad overview of the difference between the inventors and innovators and how both pave the way for commercial success. He also, in his talk, reflected on the importance of Nobel prize-winning discoveries like pesticides, antibiotics, fossil fuels, and plastics that were a boon to humanity and how misuse of



Status report of CSIR-IMTECH for 2021-2023 being unveiled by Dr Sanjeev Khosla, Director, CSIR-IMTECH & Prof Anil Kumar Tripathi, Director, IISER Mohali

these discoveries is now posing challenges to humankind.

Dr Sanjeev Khosla, Director, CSIR-IMTECH, while welcoming the guests and faculty to CSIR's Foundation Day, apprised the audience with the contributions and commitments of CSIR for the vision of making India a developed nation in 2047. CSIR has been the knowledge backbone and torchbearer of innovation in the country.

The status report of CSIR-IMTECH for the years 2021 to 2023 was also launched during the occasion by Prof. Anil Kumar

Tripathi and Dr Sanjeev Khosla. As part of the celebrations, CSIR-IMTECH also felicitated its retirees and employees who have completed 25 years of their service. The institute also awarded mementoes to wards of its staff for their outstanding performances in various sporting events held at the state and national level. As part of Foundation Day, an open day for the general public and students was also organised a few days back for them to get a glimpse of the facilities, infrastructure and showcase the scientific prowess of CSIR-IMTECH.

CSIR-CSMCRI Celebrates 84th CSIR Foundation Day with Enthusiasm and Scientific Spirit

CSIIR-Central Salt & Marine Chemicals Research Institute (CSIR-CSMCRI), Bhavnagar, celebrated the 84th CSIR Foundation

Day on 08 October 2025, with a blend of scientific outreach and academic inspiration. The day began with the institute opening

Dr Sanjeev Khosla, Director, CSIR-IMTECH, said that CSIR has been the knowledge backbone and torchbearer of innovation in the country.

Prof. Kannan Srinivasan, Director of CSIR-CSMCRI, praised the dedication of the institute's employees and called for CSIR to strive toward becoming a globally leading scientific institution.



its doors to school and college students, offering them a unique opportunity to explore ongoing research and development activities. Dr Bishwajit Ganguly, Chief Coordinator, said that students interacted with scientists and gained insights into the institute's pioneering work in areas such as marine chemicals, desalination, and sustainable technologies. A significant number of NCC cadets also visited the institute and learned about the R&D activities of the institute. Dr Kanti Bhooshan Pandey, Principal Scientist, reiterated the importance of such engagements in nurturing future innovators.

The afternoon session featured the CSIR Foundation Day Lecture by Prof. LS Shashidhara, Director of the National Centre for Biological Sciences, Bengaluru, who spoke on the post-independent Indian science. This was followed by

a Keynote Lecture delivered by Prof. S Ramakrishnan from the Indian Institute of Science, Bengaluru. Prof. S Ramakrishnan discussed the boon and bane of plastic.

In his inaugural address, Prof. Kannan Srinivasan, Director of CSIR-CSMCRI, praised the dedication of the institute's employees and called for CSIR to strive toward becoming a globally leading scientific institution. The event also saw the release of the institute's Technology Compendium and Annual Report, showcasing its achievements and future directions. Shri Biranchi Sarang, Controller of Administration, said that the celebrations reflected CSIR-CSMCRI's commitment to scientific excellence, public engagement, and visionary leadership. Dr Parul Sahu anchored the event.



CSIR-IHBT Celebrates the 84th CSIR Foundation Day



The CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, celebrated the 84th CSIR Foundation Day on 08 October 2025 with fervour and gaiety.

Prof. RP Tiwari, Hon'ble VC, Central University of Punjab, Bathinda, was the Chief Guest of the function. He complimented the CSIR and the institute on its glorious journey. He noted that CSIR, since its inception, has been the torchbearer of research and development and is providing critical inputs and breakthroughs to the nation and the global community. He exhorted the gathering to adopt a nature-friendly lifestyle and play a role in the conservation and management of Himalayan bioresources. He referred to Himalaya as the living laboratory that provides goods and services for human well-being. He wished the institute the very best in its endeavours.

Dr Ravikrishna Chebolu, Distinguished Scientist and Head of the CSIR-Innovation Complex, Mumbai, was the Guest of

Honour. He delivered the keynote address on Global Trends in Healthcare and India's Alignment. Dr Ravikrishna lucidly expressed the opportunities and advantages that India has in this sector and how it can promote global good. He emphasised the emergence of personalised healthcare and the role of artificial intelligence in this context.

Prior to this, Dr Sudesh Kumar Yadav, Director CSIR-IHBT, welcomed all the guests and wished them on the occasion. He highlighted the role of CSIR and the activities of the institute towards nation-building. He detailed the floriculture, aroma, millet, bioresource conservation and prospection mission and the benefits that they have brought to the society. He further said that the nation has great expectations from science and technology, and we should rise to the call.

On the occasion, the institute signed three technology transfer agreements and two memoranda of understanding for collaboration and facility creation. A nutrition kit

*Prof. RP Tiwari,
Hon'ble VC, Central
University of Punjab,
complimented the
CSIR and the institute
on its glorious
journey.*



for TB patients under the TB Mukta Bharat Abhiyaan, in association with the State Health Department, district Una, was also launched.

Staff members, Mr Brahm Das and Smt. Rujala Devi, who had superannuated from the institute during the current year, were felicitated. The function also saw felicitation of wards of the staff member who had excelled in sports.

The celebrations were attended by the staff, students, guests and other dignitaries from the nearby organisations. 38 students and 02 teachers from Shaheed Major Sudhir Kumar Walia Government Senior Secondary School, Banuri, Palampur (Distt. Kangra, HP), attended the programme and visited the institute on the day under the CSIR-Jigyasa Programme.

CSIR-IIIM Jammu Celebrates the 84th Foundation Day of CSIR



CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, celebrated the 84th CSIR Foundation Day on 6 October 2025 by organising a simple but impressive event at the institute. Dr Ram A Vishwakarma, Distinguished Scientist, CSIR & Ex-Director, CSIR-IIIM, Jammu, was the Chief Guest of the function, which was attended by the guests from the industry and academia, scientific, technical and admin staff, including the research scholars and the pensioners.

Delivering the Foundation Day address on “Pharma/Biopharma Landscape in CSIR: Targets and Roadmap,” Dr Ram Vishwakarma traced CSIR’s pioneering role in India’s pharmaceutical sector. He elaborated on CSIR’s establishment in 1942, even before India’s independence, and its foundational contributions to the nation’s drug research ecosystem. He paid special tribute to Sir Ram Nath Chopra, highlighting that the Indian Drugs and Cosmetics Act was

conceptualised at CSIR-IIIM Jammu under his leadership.

Dr Vishwakarma said that the CSIR-IIIM, with the unique strength of natural resources in the region, has lots of opportunities to become a global competitor in Phytopharmaceuticals, especially the botanicals. Earlier, Dr Zabeer Ahmed, Director, CSIR-IIIM Jammu, presented the institute's impressive annual achievements, highlighting that CSIR-IIIM Jammu has filed 20 patents abroad and 9 patents in India, published 174 research publications in one year with an average impact factor of 3.75, and validated 7 New Chemical Entities (NCEs) as potent compounds. He noted that the Atal Incubator at the Kashmir branch is currently supporting 12 incubatees working from the Srinagar branch.

The ceremony witnessed the signing of strategic partnerships aimed at accelerating translational

research. A Memorandum of Understanding (MoU) was executed between CSIR-IIIM Jammu and Sarvatgc Technologies Private Limited, Bangalore, followed by the signing of an Umbrella MoU with Firmland Bio, strengthening collaborative frameworks for drug development and commercialisation. During the event, retirees of the preceding year and the employees who have completed their 25 years of legitimate service were felicitated. Er Abdul Rahim, Chief Scientist and Head, Research Management, Business Development, and Information Science and Technology (RMBD & IST), proposed the vote of thanks while Dr Gurleen Kaur, Scientist, conducted proceedings of the function. The event was attended by Heads of Departments, senior scientists, research scholars, technical staff, and administrative personnel of the institute.

Dr Ram Vishwakarma, Distinguished Scientist, CSIR & Ex-Director, CSIR-IIIM, elaborated on CSIR's establishment in 1942, even before India's independence, and its foundational contributions to the nation's drug research ecosystem.

CSIR-NIScPR Celebrates 84th CSIR Foundation Day



The CSIR-National Institute of Science Communication and Policy Research (NIScPR), New Delhi, celebrated the 84th CSIR

Foundation Day at the AP Shinde Symposium Hall, NASC Complex, Todapur, Pusa, New Delhi, on 27 September 2025. The event

Dr Geetha Vani Rayasam, Director, CSIR-NIScPR, reflected on CSIR's 84-year legacy in promoting "Science for Society," wherein she emphasised NIScPR's pivotal role as a bridge between scientific knowledge and the public, fostering a culture of informed policy and effective science communication.

brought together NIScPR staff, their families, AcSIR students, and distinguished guests to honour the enduring commitment of CSIR to science for society. Delivering an inspiring welcome address, Dr Geetha Vani Rayasam, Director, CSIR-NIScPR, reflected on CSIR's 84-year legacy in promoting "Science for Society," wherein she emphasised NIScPR's pivotal role as a bridge between scientific knowledge and the public, fostering a culture of informed policy and effective science communication.

The Chief Guest, Prof. Venu Gopal Achanta, Director, CSIR-NPL, shared thought-provoking remarks on CSIR's foundational role in advancing national development. Prof. Achanta underscored the significance of precision measurement, standards, and transformative technologies in powering modern industries. He

also lauded CSIR's contributions to the national vision of "Atmanirbhar Bharat" and "Viksit Bharat," inspiring the CSIR community to continually push the frontiers of knowledge. Prof. Achanta portrayed the importance of NIScPR in disseminating scientific developments among diverse stakeholders.

The event also recognised CSIR-NIScPR's retired employees who completed 25 years of dedicated service, as well as the academic achievements of employees' wards in the 10th and 12th standard examinations. Dr Vipin Kumar, Chief Scientist, CSIR-NIScPR, extended his gratitude to all attendees during the vote of thanks. The celebrations featured a lively cultural function, prize distribution, and concluded with the national anthem.

MoUs/Agreements

CSIR-AMPRI Signs an MoU with IMD

CSIR-AMPRI designed & developed the SODAR system facility, inaugurated at IMD

On the auspicious occasion of CSIR's Foundation Day, 26 September 2025, the SODAR (Sound Detection and Ranging) system facility, designed & developed by CSIR-Advanced Materials and Processes Research Institute (AMPRI), Bhopal, was inaugurated at the India Meteorological Department (IMD), Delhi by Honourable Dr M Ravichandran, Secretary,

Ministry of Earth Sciences (MoES), Dr Mrutyunjay Mohapatra, Director General of Meteorology, India Meteorological Department and Prof. Dr Thallada Bhaskar, Director, CSIR-AMPRI, Bhopal. Dr Mohd Akram Khan, Chief Scientist & Energy and Environmental Solutions Division; Dr Sandeep Singhai, Senior Principal Scientist & Head, Business Development Group,



Dr Kirti Soni, Senior Principal Scientist & Principal Investigator of the SODAR activity, CSIR-AMPRI, Bhopal and Dr Manish Mohan Gore, Senior Scientist, CSIR-NIScPR, Delhi were also present on the occasion.

Dr N Kalaiselvi, DG CSIR and Secretary, DSIR, joined the event virtually and underscored this initiative a very significant in terms of strengthening the indigenisation of Indian technology for serving the society.

Dr M Ravichandran, Secretary, Ministry of Earth Sciences, Govt of India, considered this MoU between CSIR-AMPRI and IMD very promising. Dr M Mohapatra, DGM, IMD, remarked that the SODAR

unit of AMPRI will add value and provide additional data for a better forecast of the weather.

A Memorandum of Understanding was signed between CSIR-AMPRI and IMD, and documents were exchanged between Prof. Dr Thallada Bhaskar, Director, CSIR-AMPRI, Bhopal and Dr Mrutyunjay Mohapatra, Director General of Meteorology, India Meteorological Department.

The purpose of this MoU is to enhance collaborative research work between CSIR-AMPRI and IMD in climate and environmental studies with emphasis on scientific and societal challenges related to weather, climate variability, forecasting and disaster risk reduction. The MoU facilitates the sharing of SODAR system data across various locations for forecasting, validation, and research initiatives. This collaboration between CSIR-AMPRI and IMD is expected to generate significant advances in the field of meteorology, climate science, and environmental studies, benefiting both research communities and the nation as a whole.

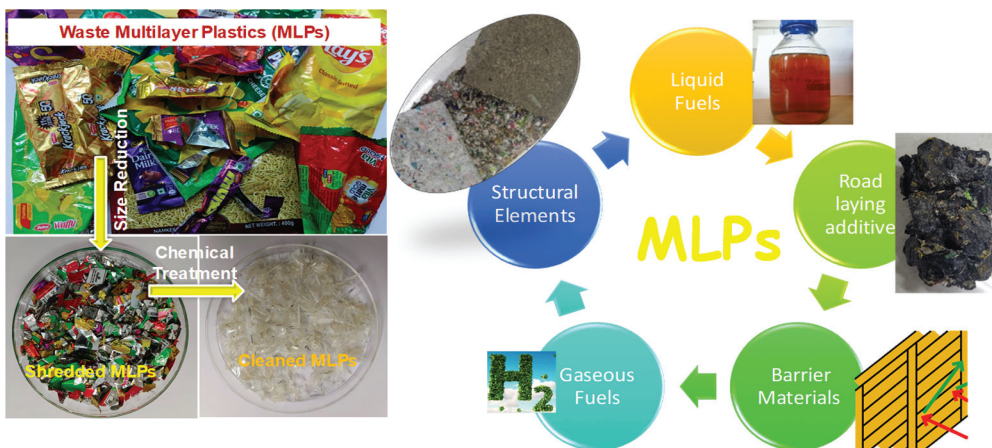
The MoU facilitates the sharing of SODAR system data across various locations for forecasting, validation, and research initiatives.



CSIR-NPL's Multilayer Plastic (MLP) Waste Recycling Technology Transfer

In line with aims of various National missions and programmes such as Swachh Bharat, Waste to Wealth, Skill India,

and to realise various Sustainable Development Goals, CSIR-National Physical Laboratory (CSIR-NPL), Delhi, has made significant



contributions by development and licensing of technology pertaining to recycling of metal/polymer laminate based Multilayered Plastics (MLP) for recovery of materials for technological applications. Among various plastic packagings, MLPs have become a great environmental nuisance due to excessive littering, owing to no commercial value in the absence of any effective recycling technology. Thus, MLPs disposal is a serious concern with associated issues such as environmental pollution, loss of material reserves, health hazards and global warming.

In this scenario, CSIR-NPL's MLP recycling technology enables the environment friendly & facile recovery of neat (delaminated, deinked and demetallized) constituent polymer fractions from MLP waste streams for its further use/processing. The technology has been developed at CSIR-NPL under the leadership of Dr Parveen Saini, Sr Principal Scientist, along with a team of researchers from different divisions of CSIR-NPL

and also contributions by Miranda House (MH), University of Delhi, under an active CSIR-NPL/MH MoU.

The developed know-how is licensed to M/s Surya Compounds and Masterbatches Pvt. Ltd, Sonipat, for upscaling and commercialisation. Being based on a scalable, eco-friendly, efficient and facile wet chemical process for the recycling of metal/polymer laminates, including MLPs, for efficient recovery of polymeric fractions and metal compounds, the present technology opens up a plethora of usages of the recovered neat polymeric fractions. Particularly, they can be recycled into granules or finished products via melt-blending recycling or upcycling routes using conventional plastic processing setups. Alternatively, these fractions may also be used for various applications like structures, packagings, insulation, composites or making based antistatic or EMI shielding compositions, for the production of gaseous/liquid fuels, carbon nanostructures, etc. Overall, the developed technology is expected to promote resource conservation, reduce MLPs littering & pollution hazards, ultimately enabling waste to wealth realisation, building of circular economy framework and reducing carbon footprint.



CSIR-NIScPR and Vibha Vani India Organise Joint CSR Meet and Capacity Building Workshop



The CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), New Delhi and Vibha Vani India, in collaboration with Indian Social Responsibility Network (ISRN), Vijnana Bharati (VIBHA), and Unnat Bharat Abhiyan (UBA), successfully hosted a two-day CSR Meet and Capacity Building Workshop on “Strengthening Grassroots Development through Science & Technology Interventions”, during 11-12 September 2025.

The workshop’s inaugural session featured welcome remarks by Dr Geetha Vani Rayasam, Director, CSIR-NIScPR, who highlighted the institute’s initiative to bring together grassroots workers, stakeholders, and industry leaders to create a network and raise technology awareness. She emphasised the importance of such workshops in connecting stakeholders and addressing issues.

Dr Yogesh Suman, Chief Scientist, CSIR-NIScPR, stated that

the workshop aimed to take CSIR technologies to the grassroots level, addressing challenges identified after technology transfer. Shri NP Rajive, Executive Director, Vibha Vani India, emphasised the collaboration between the corporate sector, grassroots leaders, and CSIR scientists to solve societal issues.

Dr Shiv Kumar Sharma, National Organising Secretary, Vijnana Bharati, and Guest of Honour, stressed the importance of working together towards nation-building through science and technology, highlighting the need to “come together, think together, take decisions together, and work together”.

Dr Jitendra Kumar, Managing Director of BIRAC, Department of Biotechnology, Government of India, was the Chief Guest of the event. Dr Kumar emphasised that this CSR meeting & workshop is unique because it focuses on Sustainable Development Goals (SDGs). He highlighted the importance of multiple

Dr Geetha Vani Rayasam highlighted the institute’s initiative to bring together grassroots workers, stakeholders, and industry leaders to create a network and raise technology awareness.

“Innovations can change the course of a nation’s development, and it’s imperative that we protect and nurture them through robust Intellectual Property Rights,” said Dr Jitendra Kumar, Managing Director of BIRAC, DBT.

stakeholders coming together to drive change. Dr Kumar noted that while CSIR labs have developed innovative technologies, commercialising them remains a challenge. These technologies can contribute to achieving SDG goals, but collaborative efforts are necessary.

“Innovations can change the course of a nation’s development, and it’s imperative that we protect and nurture them through robust Intellectual Property Rights,” Dr Kumar said, adding that nations that prioritise IPR have become innovation leaders.

The inaugural session was anchored by Ms Meetali Bharti, Senior Scientist at NIScPR, and a vote of thanks was delivered by Dr Shiv Narayan Nishad, Senior Scientist at CSIR-NIScPR.

The workshop included proposal presentation sessions featuring CSIR labs, higher education institutions, and grassroots development organisations. CSIR labs such as IHBT, CSMCRI, IICT, CIMAP, and NIIST presented their initiatives for attaining SDG goals. Higher education institutions like NCI and RCI, affiliated with Unnat Bharat Abhiyan, also made presentations.

CSR leaders of TATA Steel, Vedanta, Coal India Limited, ONGC Videsh Ltd, ACME Solar, GAIL (India) Limited, and KK duplex participated in the event.

The Capacity Building Workshop was held on the second day, which included technical sessions. The first two

sessions, “Essence of Project Proposal Writing” and “Success Stories & Impact Narratives,” were moderated by ISRN. The third session, “Presentation by Participants and Review by Judging Panel,” was followed by the final session, “Capacity Building for CSR Project Execution & Valedictory Session,” which was moderated by Shri NP Rajive from Vijnana Bharati and Dr Vipin Kumar, Chief Scientist, National Innovation Foundation (NIF), respectively.

A Kisan Sabha app training programme was also organised by CSIR-NIScPR, aimed at educating stakeholders on how local farmers can leverage the app, and how CSR leaders, scientists, and NGO representatives can utilise it to support farmers effectively.

The workshop concluded with a valedictory session addressed by Prof. Anil Sahasrabudhe, Chairman, NAAC, Bangalore.

In his address, Prof. Sahasrabudhe emphasised the significance of such workshops in driving progress towards a Viksit Bharat. He highlighted the impact of grassroots-level initiatives, citing a successful Kisan training programme in Maharashtra’s Marathwada region that achieved a remarkable 10-fold impact. He stressed that true development can only be achieved when every village is empowered and every citizen has access to basic necessities. Prof. Sahasrabudhe also underscored the value of collaborative learning and the potential of innovative ‘Jugaad’ solutions that can be unlocked through scientific validation.

National Conclave at CSIR-NIIST



As part of its Golden Jubilee Celebrations, the CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, hosted a national conclave on “Emerging Trends in Biomanufacturing and Healthcare – 2025” on 25 July 2025. The event convened leading scientists, industrial experts, and young researchers from across the country to delve into the future of biomanufacturing and healthcare, and to spotlight India’s growing role in driving a sustainable and innovation-driven bioeconomy and healthcare research.

The conclave opened with an inspiring inaugural address by Dr Vinay K Nandicoori, Director, CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad. Dr Nandicoori outlined CSIR’s integrated approach to tackling complex healthcare challenges, particularly the need to better understand infectious diseases in diverse Indian contexts – both urban and rural. He emphasised the importance of science-based policymaking and underscored the urgency of

mapping the genetic landscape and health parameters of the Indian population to lay the foundation for personalised medicine and targeted therapies.

Delivering the presidential address, Dr C Anandharamakrishnan, Director, CSIR-NIIST, stressed the critical need to transition bio-based innovations from laboratory research to industrial-scale production. He detailed the role of the national BioE3 policy – with its emphasis on Economy, Environment, and Employment – in building resilient and scalable biomanufacturing clusters. Dr Anandharamakrishnan reaffirmed CSIR-NIIST’s dedication to supporting India’s vision of “Viksit Bharat” through strategic research, innovation in strain and process development, and robust technology transfer mechanisms.

A key voice from the industry, Dr Eugene Raj Arulmuthu, Vice-President, Manufacturing Gene Therapy at Reliance Life Sciences Centre, Mumbai, served as the Guest of Honour. He provided insights into the transformative potential of

Dr Vinay K Nandicoori, Director, CCMB, outlined CSIR’s integrated approach to tackling complex healthcare challenges, particularly the need to better understand infectious diseases in diverse Indian contexts – both urban and rural.

biomanufacturing in democratizing gene therapy, highlighting how India's biotech ecosystem can offer affordable and scalable solutions to meet growing healthcare demands.

The scientific programme featured a keynote address along with six invited lectures from eminent researchers and industry leaders. Topics ranged from synthetic biology and bioprocess engineering to clinical translation and sustainability in healthcare. The event also served as a dynamic platform for emerging talent, with over 20 poster presentations and flash oral talks by students and young researchers showcasing the next wave of innovation.

A significant milestone of the conclave was the signing of a Memorandum of Understanding (MoU) between CSIR-NIIST and Amala Institute of Medical Sciences, Thrissur. This collaboration aims to accelerate translational research in cancer diagnostics and clinical biomarker development, ensuring that



scientific breakthroughs more swiftly reach clinical settings and improve patient outcomes.

The conclave underscored CSIR-NIIST's enduring legacy and future-forward outlook. As it celebrates 50 years of excellence, the Institute is poised to continue serving as a national hub for cutting-edge research, impactful industry partnerships, and science-based policymaking. With its focus on biomanufacturing, healthcare innovation, and sustainable development, the conclave reaffirmed India's commitment to building a resilient and inclusive bioeconomy for the future.

Printed and Published by

Mukesh Ambadas Pund on behalf of CSIR-National Institute of Science Communication and Policy Research

Dr KS Krishnan Marg, New Delhi-110 012

Phone: 011-25843130

Editor: Sonali Nagar

Design: Abhinav Raj; **Production:** Ashwani Kumar Brahmi

E-mail: sonalinagar@niscpr.res.in

Website: <https://niscpr.res.in>

Please direct all Subscription-related queries to:

Sales & Distribution Officer, NIScPR; **E-mail:** sales@niscpr.res.in

Phone: 91-11-25846304-07, **Extn:** 288

Annual Subscription: ₹750; **Single Copy:** ₹75.00