



सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India



News Bulletin
16 To 30 September 2025

CSIR in Media

किसानों को बताया फूलों की खेती को कैसे लाभकारी बनाएं

CSIR-CIMAP, NBRI, CDRI & IITR

14th September, 2025

चौथा सीएसआईआर-स्टार्टअप कॉन्क्लेव रविवार से एनबीआरआई के केएन कौल ब्लॉक में शुरू हुआ। इसमें एनबीआरआई के अलावा आईआईटीआर, सीमैप तथा सीडीआरआई हिस्सा ले रहे हैं। इसका मकसद तकनीक को नवाचार, उद्यमिता और लैब से बाजार तक पहुंचाना है। दो दिवसीय कॉन्क्लेव में देशभर से 50 से अधिक स्टार्टअप और 200 से अधिक किसान हिस्सा ले रहे हैं। उद्घाटन उप मुख्यमंत्री ब्रजेश पाठक ने किया। किसानों को उन्नत पुष्प कृषि तकनीक, गुणवत्तापूर्ण पौध सामग्री और बाजार के बारे में जानकारी दी गई। किसानों को बताया गया कि फूलों की खेती को बाजार से जुड़े लाभकारी उद्यम के रूप में कैसे विकसित किया जाए। पंकज त्रिपाठी ने कहा कि 86 फीसदी सिंचित क्षेत्र वाले राज्य में फूलों की खेती और सुगंधित फसलों की बड़ी संभावनाएं हैं।

उन्होंने ने अयोध्या, वाराणसी और मथुरा में चल रहे एक्सीलेंस सेंटर की सराहना की। उद्यान एवं रेशम विभाग तथा खाद्य प्रसंस्करण विभाग के अपर मुख्य सचिव बाबूलाल मीणा ने मूल्य संवर्धित उत्पादों जैसे शहद के निर्यात की संभावना पर बल दिया। उन्होंने ने एपेडा, जीआई टैग्स और कोल्ड चेन पर चर्चा की। आईआईटीआर के निदेशक डॉ. भास्कर नारायण ने अतिथियों

Read More: [Live Hindustan](#)

Week-long AYUSH Faculty CME Successfully Concludes at CSIR-IIIM Jammu

CSIR-IIIM

14th September, 2025

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu successfully concluded the week-long Continuing Medical Education (CME) programme on “Modern Aspects in the Preparation and Validation of Traditional Medicines” for AYUSH faculty here today. The programme was attended by 28 selected AYUSH scientists, faculty and researchers from premier AYUSH institutions across the country.



A spokesperson said that this initiative was sponsored by the Ministry of AYUSH, Government of India, and co-ordinated by Rashtriya Ayurveda Vidyapeeth, New Delhi. The valedictory session was graced by the presence of Dr. Koustubha Upadhyaya, Adviser (Ayurveda), Ministry of AYUSH, as the Chief Guest, along with Dr. Zabeer Ahmed, Director, CSIR-IIIM Jammu. The comprehensive curriculum covered a wide array

Read More: Jammulinksnews

लखनऊ में CSIR स्टार्टअप कॉन्क्लेव में जुटे देश भर के साइंटिस्ट, पर्यावरण और कैंसर रिसर्च को लेकर हुआ एमओयू

CSIR-CIMAP, NBRI, CDRI & IITR

14th September, 2025

NBRI लखनऊ में दो दिवसीय CSIR स्टार्टअप कॉन्क्लेव का रविवार को डिप्टी सीएम ब्रजेश पाठक ने शुरुआत की. कॉन्क्लेव में आए वैज्ञानिकों ने नए प्रयोगों पर मंथन किया. कार्यक्रम में पैनल डिस्कशन, टेक्नोलॉजी शो और स्टार्टअप पिच सेशन का आयोजन हुआ. कॉन्क्लेव में देशभर से CSIR समर्थित 50 से अधिक स्टार्टअप अपने उत्पादों और तकनीकों का प्रदर्शन कर रहे हैं.

वैज्ञानिकों को किया गया सम्मानित : 200 से अधिक किसान सीधे वैज्ञानिकों और उद्यमियों के साथ संवाद करने के लिए सराहा गया.

कर रहे हैं, जिससे वे उत्पादकता, आय और ग्रामीण विकास में सुधार लाने वाले तकनीकी समाधान जान सकें. डिप्टी सीएम ने CSIR समर्थित स्टार्टअप को उनके प्रभावी नवाचारों के लिए सम्मानित किया. इनमें डॉ. देवेन्द्र कुमार पटेल की प्रयोगशाला को पीएफएएस हटाने के लिए नैनोकॉम्पोजिट-आधारित जल शोधक विकसित

डॉ. प्रभांशु त्रिपाठी की प्रयोगशाला को कृत्रिम खाद्य रंगों से आंत माइक्रोबायोटा ...

Read More: [ETV Bharat](#)



India to launch precise timekeeping project with ISRO, NPL across 5 sites

CSIR-NPL

15th September, 2025

India will soon roll out a project for disseminating precise Indian Standard Time in association with the National Physical Laboratory and ISRO from five sites across the country, Consumer Affairs Minister Pralhad Joshi said on Monday. The announcement came as Joshi inaugurated the 89th General Meeting of the International Electrotechnical Commission (IEC) here, where he said India is witnessing a “massive technological and industrial metamorphosis” with its manufacturing sector embracing automation and Industry 4.0.

“India today is witnessing a massive technological and industrial metamorphosis. Our manufacturing sector is embracing automation and process-driven precision to drive productivity,” Joshi said while addressing over 2,000 global experts at the commission’s inaugural session. The precise timekeeping project will be implemented in partnership with the National Physical Laboratory and the Indian Space Research ...

Read More: [The Print](#)

Lucknow News: NBRI Launches Chemical-Free Sindoor, Herbal Beverages; Aims For Health And Eco Benefits

CSIR-NBRI

15th September, 2025

The National Botanical Research Institute (NBRI) has unveiled several innovative products at the Startup Conclave, showcasing advances in environmental conservation, health, and agriculture. Swati Sharma, Senior Technical Officer at NBRI's Business Development Department, announced the development of a chemical-free sindoor created by recycling waste flowers from temples. Unlike traditional sindoor, which often contains lead

& other harmful metals, the new formulation uses zero chemicals, natural colours, and safe binding agents. Researchers have described it as a significant step in both waste management and environmental protection. NBRI has also introduced a range of lotus-based beverages. The first, a lotus petal drink, is described as refreshing, antioxidant-rich, and hydrating, with detoxifying properties. Another product, a drink prepared from lotus rhizome (root) and honey, naturally develops up to 4 per cent alcoholic content through fermentation...

Read More: [The Daily Jagran](#)



CM Yogi Adityanath Announces CSIR Startup Conclave in Lucknow to Promote Innovation and Entrepreneurship in Agriculture Sector

CSIR-CIMAP, NBRI, CDRI & IITR

15th September, 2025



CM Yogi Adityanath: In line with Prime Minister Narendra Modi's visionary initiative 'Startup India', Uttar Pradesh Chief Minister Yogi Adityanath announced that the CSIR Startup Conclave will take place in Lucknow on 14th and 15th September 2025. The event will be hosted at the KN Kaul Block, CSIR-National Botanical Research Institute (CSIR-NBRI), near Sikandar Bagh Crossing, Lucknow.

A Platform for Innovation, Science, and Entrepreneurship

Describing the event as more than just a gathering, CM Yogi Adityanath stated that the conclave is a platform where:

Farmers will connect with science to adopt innovative practices for better yield and sustainable agriculture. Young entrepreneurs will get opportunities to transform their dreams into startups, contributing to economic growth. Agricultural scientific research will be showcased and promoted as the foundation for societal prosperity.

Vision for a Developed India & Developed UP

Under the overarching vision of 'Viksit Bharat-Viksit Uttar Pradesh' (Developed India – Developed Uttar Pradesh), the state government is relentlessly working ...

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NEERI Relief For Flood-Hit J&K, Fits 250 Water Purifiers In Just 4 Days



CSIR-NEERI, IIIM

15th September, 2025

In a swift and coordinated response to the devastating floods in Jammu & Kashmir, the CSIR-National Environmental Engineering Research Institute (CSIR-Neeri) deployed 250 water purification units to restore access to safe drinking water in affected communities. The consignment included 50 community-level Neeri-ZAR systems and 200 household potable water filters, with the first batch already delivered to Kathua. Additional units are being fabricated and dispatched on a priority basis.

Jitendra Singh, Union minister of science and technology and vice-president of CSIR, is leading CSIR's relief operations in the region. He praised CSIR-Neeri's rapid intervention and acknowledged the coordinated contributions of NEERI, CSIR-IIIM Jammu, and the CSIR Task Force Committee in providing vital support to flood-hit populations. Highlighting the importance of clean water in disaster management, Singh noted that such efforts play a critical role in preventing the spread of waterborne diseases.

NEERI director Dr S Venkata Mohan told TOI their scientists took the challenge and came up with the units within four days. "Normally, it takes 15 days to build and transport them to the site. Materials were procured from Delhi and Jammu...

Read More: [Times of India](#)

Pathak fetes startups at CSIR Conclave

CSIR-CIMAP, NBRI, CDRI & IITR

15th September, 2025

Deputy Chief Minister Brajesh Pathak on Sunday felicitated CSIR-incubated startups for their impactful innovations at the CSIR Startup Conclave.

Among them, the Indian Institute of Toxicology Research's Devendra Kumar Patel's lab was lauded for developing a nanocomposite-based water purifier designed for PFAS removal. Another lab from the same institute, led by Prabhanshu Tripathi, was recognised for its work on gut microbiota modulation by synthetic food colourants and the development of an aptamer-based biosensor for detecting gut bacteria and metabolites.



TerraSensus, another featured startup, showcased its sensor array system for precision agriculture, enabling grid-wise deployment for real-time field insights.

Meanwhile, institutions such as ICAR–Central Institute for Subtropical Horticulture and Chhatrapati Shahu Ji Maharaj University drew attention with their 'Ready to Fruit' mushroom cultivation kits, offering a simple and scalable solution for beginner growers. These technologies were prominently displayed at the CSIR Exhibition Pavilion...

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Lucknow Hosts CSIR Startup Conclave; CM Yogi Adityanath Joins Union Minister to Push Innovation Beyond Metros

CSIR-CIMAP, NBRI, CDRI & IITR

15th September, 2025

Chief Minister Uttar Pradesh, Yogi Adityanath and Union Minister Dr Jitendra Singh today addressed the 2-day Startup Conclave organised by the Ministry of Science & Technology, Govt of India. In addition, Dr. Jitendra Singh today inaugurated India's first Swastik-shaped "Lotus Garden" at the Bota CSIR-National Botanical Research Institute (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...

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CSIR Foundation Day: ANRF CEO Dr Shivkumar Kalyanaraman Outlines Research Vision

CSIR-NCL

15th September, 2025

CSIR National Chemical Laboratory (CSIR-NCL), Pune celebrated the 84th Foundation Day of the Council of Scientific and Industrial Research (CSIR) with a special lecture delivered by Dr Shivkumar Kalyanaraman, Chief Executive Officer of the Anusandhan National Research Foundation (ANRF). In his CSIR Foundation Day lecture, Dr Shivkumar Kalyanaraman addressed the theme “ANRF Vision: Catalyzing India’s Rise as a Research and Innovation Powerhouse.”



He outlined ANRF’s vision as a statutory and autonomous body chaired by the Prime Minister of India and accountable to Parliament. Dr Kalyanaraman emphasized that ANRF aims to act as a catalyst in strengthening India’s research and innovation ecosystem through strategic collaborations among government, academia, industry, startups, and philanthropic organizations. During his lecture, Dr Shivkumar Kalyanaraman elaborated on ANRF’s comprehensive strategy to support research across the Technology Readiness Level (TRL) spectrum, ranging from fundamental science to applied and translational research. He also underlined the significance of flexible grant mechanisms...

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CCMB scientists crack cells' secret to shape-shifting

CSIR-CCMB

16th September, 2025

Scientists at the CSIR-Centre for Cellular and Molecular Biology (CCMB) in Hyderabad announced on Monday that they have discovered how cells adapt their internal skeletons to form protrusions — structures that help combat pathogens and play a key role in processes such as wound healing, immune response and cancer progression.

A cell's shape is determined by a dense, branched network of actin near its membrane. Actin molecules are highly dynamic and known for their ability to push against the cell membrane. When a cell needs to form a new shape or protrusion, it must generate a fresh meshwork of actin that pushes in the desired direction.

Led by Saikat Chowdhury, the CCMB team found that cells regulate the formation of this new actin mesh through a protein called SPIN90. Working at the cryogenic electron microscope facility, he and Justus Francis, a PhD scholar in Chowdhury's group at CCMB, discovered that SPIN90 functions as a dimer with another protein complex, Arp2/3, enabling protrusions to form in two directions and reshaping the cell.

“This process helps us understand how cells remodel themselves in both health and disease. We were able to observe SPIN90's action at nearly atomic resolution, which revealed the precise mechanism controlling how mammalian cells too divide and function from early stages,” said Francis, first author of the study that has been...

Read More: [The Hindu](#)

Swastik Lotus Garden opens at NBRI

CSIR-NBRI

16th September, 2025

The first-of-its kind Swastik Lotus Garden was inaugurated at the National Botanical Research Institute during the CSIR Startup Conclave on Monday. The garden houses 60 varieties of lotus sourced from across the world and 50 species of water lilies, with conservation ensured through advanced genetic methods, light exposure regulation, and scientific treatments.

Among its highlights is the NBRI-Namoh 108, claimed to be the world's first 108-petal lotus developed in Lucknow. During the conclave, technologies of the products and varieties developed by the CSIR institute were transferred to private companies so that they can reach the common man. The technologies developed by NBRI such as series of perfumes namely Frotus-Rudra, Frotus-Kumbh, and an air-freshener, Frotus Fresh, were transferred...

Read More: [Times of India](#)

'ReNeSa: Technology for natural disinfectant surface cleaner' showcased at CSIR-IMMT

CSIR-IMMT

16th September, 2025

The CSIR–Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, hosted a one-day training and demonstration on “ReNeSa: Technology for Natural Disinfectant Surface Cleaner” on Monday under the aegis of Department of Scientific and Industrial Research (DSIR) - Common Research and Technology Development Hub (CRTDH), with the objective of disseminating technology for women empowerment through the Women’s Self Help Groups associated with Livelihood Alternatives Pvt. Ltd.



The program, held at the Environmental Biology Laboratory, opened with a lamp-lighting ceremony and the CSIR-IMMT theme song. Dr. N.K. Dhal, head of the Department of Environment & Sustainability welcomed the participants and introduced the guests. Coordinator of DSIR-CRTDH, Dr. Yatendra Chaudhury, highlighted DSIR’s commitment to sustainable innovation. Dr. Sony Pandey briefed the audience on the natural disinfectant surface cleaner technology - “ReNeSa” (Reetha & Neem based diSinfectAnt), which is a homophone of renaissance meaning reawakening or new beginning...

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CSIR-IHBT Brings Color and Cash through Carnation Farming to Himachali Farmers

CSIR-IHBT

17th September, 2025

A wave of color and new opportunity is sweeping through the hills of Himachal Pradesh, thanks to a hands-on initiative from the CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT) in Palampur. As part of the CSIR Floriculture Mission, the institute has just given a major boost to over 130 local farmers by distributing more than 1.66 lakh (166,000) carnation cuttings. These aren't just plants; they are seeds of change, covering 1.5 hectares of land across the districts of Solan, Mandi, Bilaspur, Shimla, and Hamirpur.



This support is about more than just flowers—it's about cultivating sustainable livelihoods. The initiative is set to generate significant additional income and open new doors for people in rural communities. But the help doesn't stop at the cuttings. CSIR-IHBT is ensuring farmers have the knowledge to succeed. Experts are rolling up their sleeves and visiting fields to provide hands-on training. They work directly with farmers, troubleshooting challenges and offering practical advice on everything from pest control and nutrient use to modern cultivation techniques. This means farmers are empowered not just with high-quality, disease-free plants, but with the skills to grow them successfully...

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Coastal cleanup drive under Swachh Sagar, Suraskshit Sagar campaign held at Miramar Beach

CSIR-NIO

17th September, 2025

The CSIR-National Institute of Oceanography (NIO), Goa, organised a coastal cleanup drive under Swachh Sagar Suraskshit Sagar campaign at Miramar beach, Panaji, today, September 17, 2025. The event, held in association with National Centre for Coastal Research (NCCR), Ministry of Earth Sciences (MoES), Government of India, was organized in the run-up to the International Coastal Cleanup Day 2025. Dr M Ravichandran, Secretary, MoES, led the drive with senior officials and staff of NIO and NCCR.



Addressing the gathering, Dr M Ravichandran said that the MoES and other line departments had been carrying out various activities during the Coastal Cleanup Week in the run-up to the International Coastal Cleanup Day which is on the 20th September. “It is not just about cleaning up the beaches. It is more about creating awareness about the importance of keeping our oceans clean because oceans are our nerve centre. You all know that oceans provide a lot of opportunities but there are several challenges the oceans face such as climatic and non-climatic challenges. It is imperative we take small initiatives to keep the oceans ...

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India must look beyond cereals to identify diverse nutritional sources: Soumya Swaminathan

CSIR-NIIST

18th September, 2025

Soumya Swaminathan, chairperson, M.S. Swaminathan Research Foundation (MSSRF), and former Chief Scientist at the World Health Organisation (WHO), on Thursday said that India needs to look beyond a cereal-centric approach to identify diverse nutritional sources for ensuring food and nutritional security. Dr. Swaminathan was speaking after inaugurating a one-day workshop on ‘Societal Connect: Empowering

Agri-Enterprises - Bridging Science, Sustainability and Society’ organised by the CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST). The problem, she said, lay in the poor dietary diversity of Indians...

Read More: [The Hindu](#)



CSIR-IIIM Jammu receives 'Bharat Incubator Award 2025' at 4th Bharat Entrepreneurship Summit

CSIR-IIIM

18th September, 2025

The Technology Business Incubator (TBI) of CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, has been conferred with the 'Bharat Incubator Award 2025' at the 4th Bharat Entrepreneurship Summit held at the NDMC Convention Centre, New Delhi, according to an official press release. The Bharat Entrepreneurship Summit is a flagship event every year organised by the Entrepreneurs Association of India (EAI). This national-level recognition highlights the IIIM incubator's outstanding contributions towards fostering innovation, supporting startups, and promoting entrepreneurship in the Jammu and Kashmir region...



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Empowering Women in Science: CSIR-NIScPR Takes the Lead at Science Summit 2025

CSIR-NIScPR

18th September, 2025

The CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR) participated in the Science Summit 2025 at the 80th United Nations General Assembly (SSUNGA80), focusing on "Women and Girls in Science: Driving Gender-Inclusive Innovation, Gender Equality, and Breaking Barriers," with CSIR serving as a case study.



The summit, which addressed key Sustainable Development Goals (SDGs) including SDG 5 (Gender Equality), SDG 8 (Decent Work and Economic Growth), and SDG 10 (Reduced Inequality), commenced with a welcome address by Dr. Geetha Vani Rayasam, Director, CSIR-NIScPR, highlighting the importance of gender equality in science "A conducive work ecosystem is essential for women in science..."

Read More: [Pib](#)

India Positioned To Lead Global Herbal Market, Says Dr. Jitendra Singh

CSIR-NBRI, CIMAP, IITR, CDRI

18th September, 2025

Union Minister for Science and Technology, Dr. Jitendra Singh, praised the recently organized two-day CSIR Startup Conclave in Lucknow, describing it as a “benchmark model” of how India’s research labs are successfully translating scientific innovations into market-ready products. He emphasized India's advancing leadership in herbal therapeutics and integrated medicine.



Dr. Singh, at the recently held conclave, highlighted that these developments reflect Prime Minister Narendra Modi’s vision of “Go Local, Go Global”, encouraging startups to help India expand its presence in the global herbal health market.

He stated, “India has the rich biodiversity and scientific capability required to become a global center for herbal medicine.” These comments were made during the event’s inauguration on September 15. Among the significant innovations featured ...

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One-day outreach programme on “Conserve Medicinal Plants: Safeguard Nature, Safeguard Life” organised at CSIR-IIIM Experimental Farm Tangmarg

CSIR-IIIM

18th September, 2025

A one-day outreach program on “Conserve Medicinal Plants: Safeguard Nature, Safeguard Life” under the CSIR Mission Mode Project, Bioresource Conservation & Prospection (BioCap), was conducted at CSIR-IIIM Experimental Farm Yarikah,(Tangmarg), Kashmir, which was attended by 70 participants from tribal and farming communities. The event was graced by Feroz Ahmad, Divisional Forest Officer, Special Forest Range, Gulmarg.



The outreach programme was organized under the mentorship and guidance of Dr. Zabeer Ahmed, Director, CSIR-IIIM, Jammu and Er. Abdul Rahim, Chief Scientist and Head, Branch Laboratory, Srinagar. The main objective of the programme was to make the participants aware about the importance of conserving medicinal plants for human well-being and healthy ecosystem. Speaking on the occasion, Feroz Ahmed...

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हिंदी को समर्पित उत्सव: सीएसआईआर-एसईआरसी एवं सीएमसी में हिंदी पक्ष समारोह 2025 का भव्य आयोजन

CSIR-SERC

19th September, 2025

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद् (सीएसआईआर) के संरचनात्मक अभियांत्रिकी अनुसंधान केंद्र (एसईआरसी) एवं सीएसआईआर मद्रास कॉम्प्लेक्स (सीएमसी) में 26 अगस्त से 16 सितम्बर 2025 तक हिंदी पक्ष समारोह का आयोजन अत्यंत उत्साह, गरिमा और रचनात्मकता के साथ संपन्न हुआ। इस आयोजन का उद्देश्य राजभाषा हिंदी के प्रयोग को प्रोत्साहित करना, संस्थान के वैज्ञानिक एवं प्रशासनिक सदस्यों को भाषा के प्रति संवेदनशील



ल बनाना तथा हिंदी को कार्य संस्कृति का अभिन्न अंग बनाना था।

उद्घाटन समारोह: दीप से आरंभ

हिंदी पक्ष समारोह का शुभारंभ 26 अगस्त को टीडीसी भवन, सीएसआईआर-एसईआरसी में दीप प्रज्वलन एवं वंदना के साथ हुआ। इस अवसर पर हिंदी कार्यशाला का आयोजन किया गया, जिसका विषय था — “भारत में समुद्री नवीकरणीय ऊर्जा की विकास एवं गतिविधियाँ”। कार्यशाला के मुख्य वक्ता श्री बीरेन पटनायक, वैज्ञानिक-ई, राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान (NIOT), चेन्नै थे। उन्होंने सरल हिंदी में तकनीकी विषयों को प्रस्तुत किया तथा यह सिद्ध किया कि विज्ञान ...

Read More: [Pib](#)

Mapping of soil quality at industrial hotspots across Tamil Nadu under way: TNPCB Chairperson

CSIR-NEERI

19th September, 2025

Tamil Nadu is conducting soil quality mapping at industrial hotspots across the State, said M. Jayanthi, Chairperson of the Tamil Nadu Pollution Control Board (TNPCB). Addressing a stakeholders conclave organised by CSIR-National Environmental Engineering Research Institute (NEERI) in Chennai on Friday, Ms. Jayanthi said the exercise, being carried out along with experts from the Tamil Nadu Agricultural University, would ensure that the State's industrial activities did not compromise environmental health.



Ms. Jayanthi said that while Tamil Nadu hosted 31 operational special economic zones (SEZs), the highest in India, these opportunities came with challenges, especially for the TNPCB. She said the heavy metals and microplastics were increasingly detected in our marine environments, wetlands such as Pallikaranai were being encroached upon, and climate change brought extreme weather events, which threatened both ecosystems and livelihoods...

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NIO hosts National Science Seminar on 'Contribution of Marine Research in India's Development and Future Prospects'

CSIR-NIO

20th September, 2025

CSIR–National Institute of Oceanography (CSIR-NIO), Goa, organised a two-day National Science Seminar in Hindi on the theme Contribution of Marine Research in India's Development and Future Prospects, on its campus at Dona Paula. The Chief Guest, Prof. Dr. Sujata Kadam, Dean of the All India Institute of Ayurveda, Goa Campus, highlighted the importance of Ayurveda in lifestyle and shared the activities being carried

out by her institution. The Guest of Honour, Dr. Ramanuj Narayan, Director, CSIR-IMMT, Bhubaneswar, underlined the significance of organizing such scientific seminars and acknowledged the contributions of CSIR institutions, particularly CSIR-NIO, to national development.

Dr. Arun Deo Singh, Senior Professor, Department of Geology...

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CSIR-NIIST Hosts Conclave on AI & ML for Transformative Innovation: Bridging R&D Frontiers and Industry

CSIR-NIIST

22nd September, 2025

The CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST) under the Ministry of Science and Technology organized a Golden Jubilee National Conclave on “AI & ML for Transformative Innovation: Bridging R&D Frontiers and Industry”, bringing together eminent scientists, technologists, academicians, and industry leaders to deliberate on the transformative potential of Artificial Intelligence (AI) and Machine Learning (ML).



The conclave was inaugurated by Dr. A. Rajarajan, Director, Vikram Sarabhai Space Centre (VSSC), who underscored the revolutionary role of AI and ML in shaping the future of science and technology. “Channelizing the most modern computing capabilities is extremely important. We have reached a stage where human thought processes and conventional logic are no longer sufficient. By being more focused, humans can become super-intelligent ...

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CSMCRI hosts Global Virtual Session on Marine Sustainability at SSUNGA 80

CSIR-CSMCRI

22nd September, 2025

CSIR-Central Salt & Marine Chemicals Research Institute (CSMCRI), Bhavnagar, India, organized a virtual session on “Marine Resources for Sustainable Development” on September 16, 2025. Under the auspices of the Council of Scientific & Industrial Research (CSIR), the event took place during the Science Summit 2025 in conjunction with the United Nations General Assembly (SSUNGA 80) as part of the Connect, Collaborate, Converge, and Convert (5C) initiative for Global Sustainable Development. About 100 participants participated in the session online from all across the world. Dr. Kannan Srinivasan, Director of CSIR-CSMCRI, chaired the meeting and emphasized the institute's joint efforts to develop marine resource technologies into industry-aligned, socially impactful, and science-driven solutions that support the Sustainable Development Goals (SDGs).

CSIR-CSMCRI scientists, Dr. Puyam Singh, Dr. Vaibhav Mantri, and Dr. Arvind Kumar, discussed creative ways to use marine resources, specifically, saltwater and marine algae, to promote food security, health, and sustainable industrial development...

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CSIR IHBT organized Hindi Fortnight

CSIR-IHBT

23rd September, 2025

The Institute of Himalayan Bioresource Technology, Palampur, organized a Hindi Fortnight from September 9 to 23, 2025. It concluded on September 23, 2025, and on this occasion, Professor Dr. Krishna Mohan Pandey from Jawaharlal Nehru University, New Delhi, delivered a speech on the topic “Science in the Vedas.” In his address, he presented interesting and informative facts about the use of numerous medicines described in the Vedas.

In his address, the institute’s Director, Dr. Sudesh Kumar Yadav, emphasized the importance of Hindi in communicating the research and achievements in the field of science to the common people. He urged scientists to make more efforts to disseminate their research to the general public in Hindi.

Subsequently, the Director honored the winners of various competitions organized under the Hindi Fortnight and extended his best wishes...

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Science push: Cabinet approves Rs 2,277 crore CSIR capacity building scheme; to strengthen R&D ecosystem

CSIR

24th September, 2025

The Union Cabinet on Wednesday approved the Department of Scientific and Industrial Research (DSIR) / Council of Scientific and Industrial Research (CSIR) scheme on Capacity Building and Human Resource Development with a total outlay of Rs 2,277.40 crore for the 15th Finance Commission cycle (2021-22 to 2025-26).

Implemented by CSIR, the scheme will cover all R&D institutions, national laboratories, Institutes of National Importance, Institutes of Eminence, and universities across India. It aims to provide young researchers with opportunities to pursue careers in universities, industry, national R&D laboratories, and academic institutions under the guidance of eminent scientists and professors across Science, Technology & Engineering, Medical, and Mathematical Sciences (STEMM), according to government release. The initiative expected to play a key role in advancing Sustainable Development Goals (SDGs) ...

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CSIR: A Pillar of Innovation and Industry Collaboration in India's Journey to Viksit Bharat



CSIR-NML

24th September, 2025

Celebrating its 84th foundation day, the Council of Scientific and Industrial Research (CSIR) stood as a testament to innovation in India. Director Sandip Ghosh Chowdhury highlighted the institution's evolution since its establishment in 1942 during colonial times, asserting that CSIR remains a backbone of modern India's scientific endeavors.

Chowdhury extolled the foresight of visionaries like Sir Shanti Swarup Bhatnagar, the pioneering force behind research institutions in India. For eight decades, CSIR has not just been an institution but a dynamic network of laboratories and innovation complexes, tackling the nation's multifaceted industrial and scientific challenges.

Sandip Kumar Kar, chief guest and executive director at the Centre for Iron and Steel, underscored the critical role of industry-research ...

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Sakeena for holistic public awareness campaigns across J&K on benefits of Ayurveda

CSIR-IIIM

24th September, 2025

Minister for Health and Medical Education, Social Welfare and Education, Sakeena Itoo today virtually addressed the 10th National Ayurveda Day celebrations organised by Directorate of Ayush, J&K at Convention Centre, here. Divisional Commissioner Jammu, Ramesh Kumar; Secretary Health and Medical Education, Dr. Syed Abid Rasheed Shah; Director Ayush, J&K, Dr. Suresh Kumar Sharma; Director Health Services, Jammu, Director Family Welfare J&K, MD JKMSCL, former Directors of Ayush, Healthcare professionals and other officers also attended the event, either in person or through video conferencing.

CSIR-Indian Institute of Integrative Medicine (IIIM), Jammu celebrated the Day at its main campus with the theme “Ayurveda for People and Plant”. The event featured an Ayurveda expert lecture and a comprehensive medical health camp, marking a significant milestone in promoting traditional healing systems and their integration ...

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CSIR-IMMT Organises Skill Development Program on “COMSOL Multiphysics Simulation”

CSIR-IMMT

24th September, 2025

CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, successfully conducted a two-day Skill Development Program on “COMSOL Multiphysics Simulation” on 23–24 September 2025. The program was organised under the CSIR-Integrated Skill Development Initiative, in association with COMSOL Multiphysics Pvt. Ltd., as part of their seminar on COMSOL Multiphysics v6.3. The event witnessed enthusiastic participation from scientists, research scholars, project staff, faculty members, and students from nearby institutions. Participants gained advanced knowledge of coupling multiple physics while modelling processes and simulating them for meaningful insights.

Experts from COMSOL—Mr. Firoj Khan, Dr. Sunder Namla, and Dr. Minakshee Phutke—delivered technical talks and guided hands-on sessions. Their sessions provided participants with exposure to real-world applications of multiphysics simulation ...

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Technology Sovereignty Will determine Geopolitical Sovereignty: Dr Jitendra Singh at CSIR's 84th Foundation Day

CSIR

26th September, 2025



“Technology sovereignty will determine the geopolitical sovereignty in the times to come,” Union Minister of State for Science and Technology and Vice President of CSIR, Dr. Jitendra Singh, said as he underlined India’s transition into a technology-driven nation. Speaking at the 84th Foundation Day of the Council of Scientific and Industrial Research (CSIR) here today, the Minister emphasized the organization’s legacy, its scientific achievements, and its responsibility in shaping the nation’s future path towards Viksit Bharat 2047.

Tracing CSIR’s origins to 1942, Dr. Jitendra Singh reminded the audience that it is among the few national institutions established before Independence...

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CSIR-CCMB's Open Day sees talks on opportunities in various scientific research

CSIR-CCMB

26th September, 2025

Despite rain and overcast conditions, CSIR-CCMB had a host of guests including students and school children to interact with the scientists and understand the ongoing research activities during the 'Open Day' held here on Friday.

It was on this day 40 years ago that the institute moved into the present campus at Habsiguda. Exhibits ranged from infectious, genetic and lifestyle diseases explaining about the cellular and molecular aspects besides the medical relevance.

“We take this programme very seriously where young people are informed about the opportunities in various scientific research areas...

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On CSIR's Open Day, around 2,500 people visited NGRI, most of them being students from schools and colleges. Scientists had displayed their works along with samples and equipments, charts and models to explain their work. At one such stall, the application of geothermal energy, was explained.

"Though widely used in several countries, it is still at an exploratory stage in India," said Dr Nagaraju Podugu, senior technical officer at NGRI. According to him, India has 381 hot springs, of which Puga and Chumathang in Ladakh, Tattapani in Chhattisgarh, Manuguru in Telangana, and Bakreshwar in West Bengal are the most promising for producing geothermal electricity. "Before generation, we need to know the source depth, heat flow and temperature. For electricity, we require at least 150°C at a drillable depth..."

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NML Jamshedpur scientist Dr. Ranjeet Kumar Singh receives National Geoscience Award 2024

CSIR-NML

26th September, 2025

Dr. Ranjeet Kumar Singh, Senior Principal Scientist at CSIR-NML, has been awarded the National Geoscience Award 2024 by the Ministry of Mines, Government of India, for his outstanding work in Mineral Beneficiation and Sustainable Mineral Development. The award was presented by President Droupadi Murmu. Dr. Singh has developed process flowsheets for the beneficiation of ferrous, non-ferrous ores, minerals, and coal. He is also a recipient of the CSIR Technology Award 2022 and Raman Research Fellowship 2024...



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Empowering Farmers in Manipur: CSIR-IHBT Brings Apple & Aromatic Crop Innovations to the Northeast

CSIR-IHBT

26th September, 2025

A dedicated team of scientists and project associates from the CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur, Himachal Pradesh, recently visited Imphal, Manipur, to support local farmers with cutting-edge agricultural practices. Their mission? To help adapt low-chilling apple varieties and aromatic plants to Manipur's unique climate and farming conditions.



From September 21 to 24, 2025, the team conducted hands-on training sessions across villages like Imphal, Haraorou, East Imphal, and Hiyangthang. Farmers received practical guidance on orchard management, pruning, nutrient application, and essential oil extraction—skills crucial for cultivating apples and aromatic crops successfully in the region...

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Bridging Science and Soil: NAAS Palampur Chapter Kicks Off with Vision and Collaboration

CSIR-IHBT

26th September, 2025

The inaugural meeting of the National Academy of Agricultural Sciences (NAAS) Palampur Regional Chapter was held on September 24, 2025, at the CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, under the guidance of NAAS, New Delhi. This milestone event marks a significant stride in NAAS's mission to deepen its grassroots presence and strengthen policy engagement across diverse agro-climatic regions. The newly formed regional chapters are envisioned as dynamic platforms for crafting region-specific policy recommendations and tackling both local and national agricultural challenges.



In his welcome address, Dr. Sudesh Kumar Yadav, Director of CSIR-IHBT and NAAS Fellow, highlighted the importance of collaborative efforts and knowledge exchange among NAAS Fellows. He emphasized the role of regional chapters in aligning scientific research with the unique needs of Himalayan agriculture...

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

CSIR-AMPRI

27th September, 2025

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



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CSIR-IMMT Centre of Excellence completes Training Program for IOCL officials on Battery Minerals Value Chain

CSIR-IMMT

28th September, 2025

The CSIR–Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, through its newly established Centre of Excellence (CoE) under the National Critical Minerals Mission, successfully concluded a specialized training program on “Capacity Building in Battery Minerals Value Chain” for officials of Indian Oil Corporation Limited (IOCL). The

program, inaugurated on September 8, 2025, culminated on September 27, 2025, after three intensive weeks of knowledge exchange and technical training. The valedictory session was presided over by Dr.Ramanuj Narayan, Director, CSIR-IMMT, and Manish Gupta, GM (E&P), P&BD, IOCL, who commended the participants for their active engagement...



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Vizag NIO chief scientist gets national geoscience award

CSIR-NIO

28th September, 2025

Dr VVSS Sarma, chief scientist and scientist-in-charge of the CSIR-NIO regional centre, Visakhapatnam, has been conferred the prestigious National Geoscience Award 2024. Dr Sarma received the award from President Droupadi Murmu in recognition of his outstanding contributions to the field of geoscience. The ceremony was held at the Rashtrapati Bhavan Cultural Centre, New Delhi.



Dr. Sarma has published more than 200 articles in reputed journals in the field of biogeochemistry. He is a distinguished scientist affiliated with the Council of Scientific and Industrial Research (CSIR), specialising in marine sciences with a focus on chemical oceanography. Since joining CSIR in July 2007, and taking up his current post in December 2017, he has made significant contributions to the field of biogeochemistry, particularly in the cycling of carbon, oxygen, and nitrogen...

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GPS Renewables and CSIR-NCL launch NG SAF: An Indigenous Ethanol-to-SAF technology

CSIR-NCL

29th September, 2025

GPS Renewables, one of the leading global full-stack, renewable oil & gas companies offering technology and project solutions for climate-positive biofuel projects, has partnered with Council of Scientific and Industrial Research – National Chemical Laboratory (CSIR-NCL) to develop a first-of-a-kind commercial-scale production of Sustainable Aviation Fuel (SAF) from ethanol. The same technology can be used to produce SAF from methanol as well.



As part of the partnership, GPS Renewables will invest in developing technology based on a patented catalyst from CSIR-NCL. The technology will enable one-step oligomerization of ethylene and other olefins – a process where small molecules are joined together to form larger molecules that emulate Aviation Turbine Fuel...

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Tourism, livestock grazing impact gut microbiome of tigers, finds CCMB study

CSIR-CCMB

29th September, 2025

Human presence in tiger habitats is disrupting the gut health of India's tigers, a new study by researchers at the Laboratory for the Conservation of Endangered Species (LaCONES), CSIR-CCMB, Hyderabad, has found. The study highlights how tourism, livestock grazing and other disturbances may affect the animals' health and long-term survival.

It warns that growing human pressures in buffer zones could silently erode tiger health, even inside protected reserves. Scientists emphasise the need for stricter regulation of tourism, grazing and related activities in these areas to safeguard the resilience of India's national animal for future generations.

Samples from 5 tiger reserves

The research team led by chief scientist G. Umapathy collected tiger droppings over two years from five major tiger ...

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बिना बिजली और पानी की बर्बादी के होगा घरों में वाटर प्यूरिफाई, वैज्ञानिकों की नई ईजाद

CSIR-AMPRI

29th September, 2025

दूषित पानी से होने वाली बीमारियों से बचने के लिए फिल्टर पानी का उपयोग तेजी से बढ़ा है. वाटर प्यूरीफायर से फिल्टर होने वाले पानी में तीन गुना तक पानी बर्बाद होता है. लेकिन भोपाल के वैज्ञानिकों ने ऐसा फिल्टर तैयार किया है जो बिना पानी को बर्बाद किए पानी को फिल्टर करेगा. साथ ही इस फिल्टर की उम्र आम फिल्टर से तीना गुना होगी. वैज्ञानिकों के मुताबिक बिना बिजली के चलने



वाला यह फिल्टर ग्रामीण इलाकों के लिए बेहद उपयोगी हो सकता है.

दूषित पानी बिगाड़ रहा सेहत

भोपाल स्थित एडवांस मटेरियल एंड प्रोसेसेज रिसर्च इंस्टीट्यूट के प्रिंसिपल साइंटिस्ट डॉ. संदीप सिंघई बताते हैं कि "पानी में तय मानक से ज्यादा यदि फ्लोराइड या आर्सेनिक है तो ऐसे पानी का उपयोग शरीर में कई तरह के रोग हो सकते हैं. शहरी इलाकों में तो इसको लेकर अवेयनेस और विकल्प हैं, लेकिन ग्रामीण इलाकों में अभी भी इसको लेकर पर्याप्त ...

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