वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद-भारत

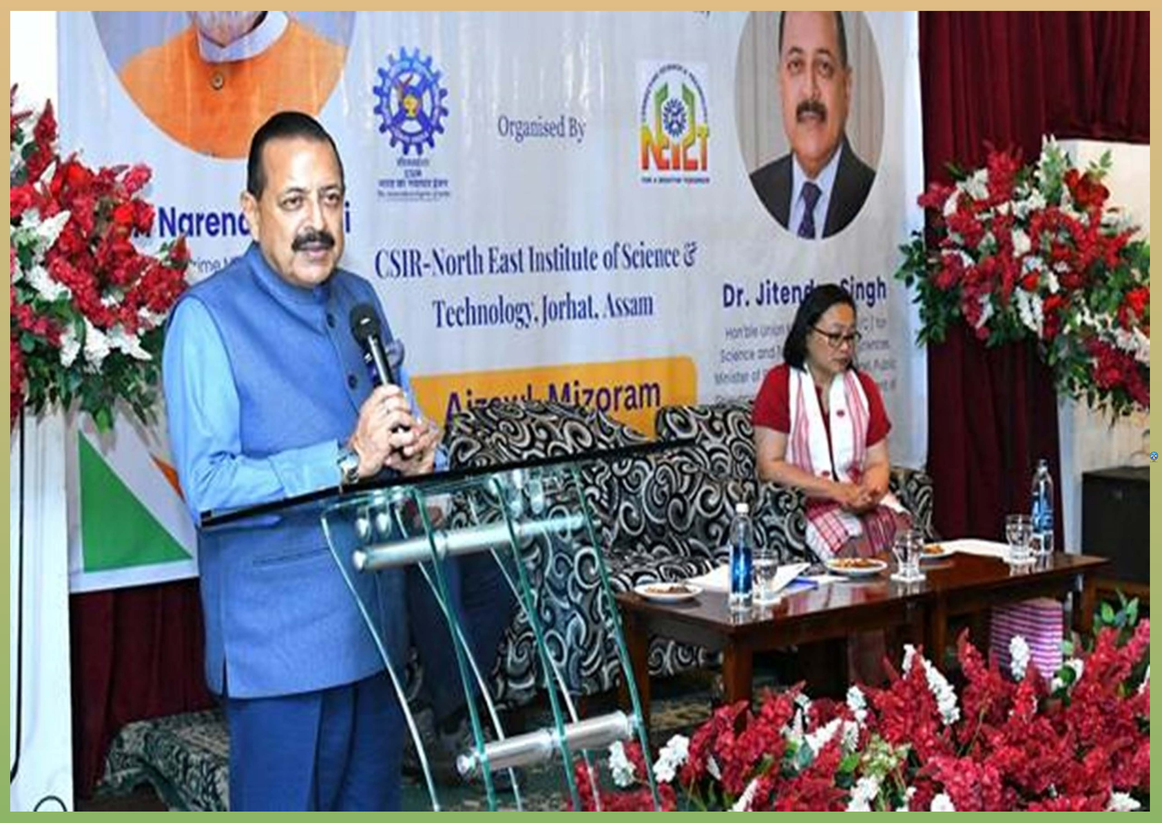
CSIR-INDIA

सीएसआईआर

CSIR

भारत का नवाचार इंजन

The Innovation Engine of India



News Bulletin
01 To 15 November 2025

CSIR in Media

Compiled by Science Communication and Dissemination Directorate (SCDD), CSIR Hq, Anusandhan Bhawan, New Delhi

A five-day Skill Development Program organized at CSIR-IMMT, Bhubaneswar

CSIR-IMMT 31st October, 2025

A five-day Skill Development Program on "Industrial Instrumentation: Practical Skills for Real-World Applications" was organized under the CSIR-Integrated Skill Initiative from 27th to 31st October 2025 at CSIR-IMMT, Bhubaneswar. The program aimed to impart hands-on experience and practical knowledge in industrial instrumentation, focusing on sensors, signal conditioning, process control, and automation systems.

The program was inaugurated by the Director, CSIR-IMMT, who emphasized the importance of skill enhancement in instrumentation for improving industrial efficiency and reliability. A total of 31 participants (28 male and 3 female) attended the program, representing diverse categories — 20 from General, 8 from OBC, and 3 from SC backgrounds.

The sessions included expert lectures, practical demonstrations, and laboratory exercises on real-time instrumentation and control systems. Participants actively engaged in discussions and hands-on experiments, gaining valuable exposure to industrial practices…

Read More: Orissa Diary

Goa scientists derive water-soluble, odourless collagen from jellyfish

CSIR-NIO 31st October, 2025

Each year, particularly after the monsoon, fishermen across Goa report their nets returning nearly full of jellyfish—an occurrence increasingly linked to climate change and nutrient enrichment in coastal waters. These jellyfish blooms often spoil fishing hauls, threatening local livelihoods.

What was once a menace to Goan fishermen may soon emerge as a game-changer in modern medicine. Scientists at the CSIR–National Institute of Oceanography (CSIR–NIO), Goa, have developed an affordable method to extract Type-II collagen from jellyfish (genus chrysaora) found along the Goan beaches. This breakthrough opens vast possibilities for applications in wound healing, bone repair, cosmetic medicine and nutraceutical applications.

The research, led by senior principal scientist Supriya Tilvi, with her student Saira James, at the Marine Biomolecules and Biomaterials Laboratory, CSIR-NIO, aims to transform a common marine nuisance jellyfish found along the beaches of Caranzalem and Bambolim into a high-value biomedical resource…

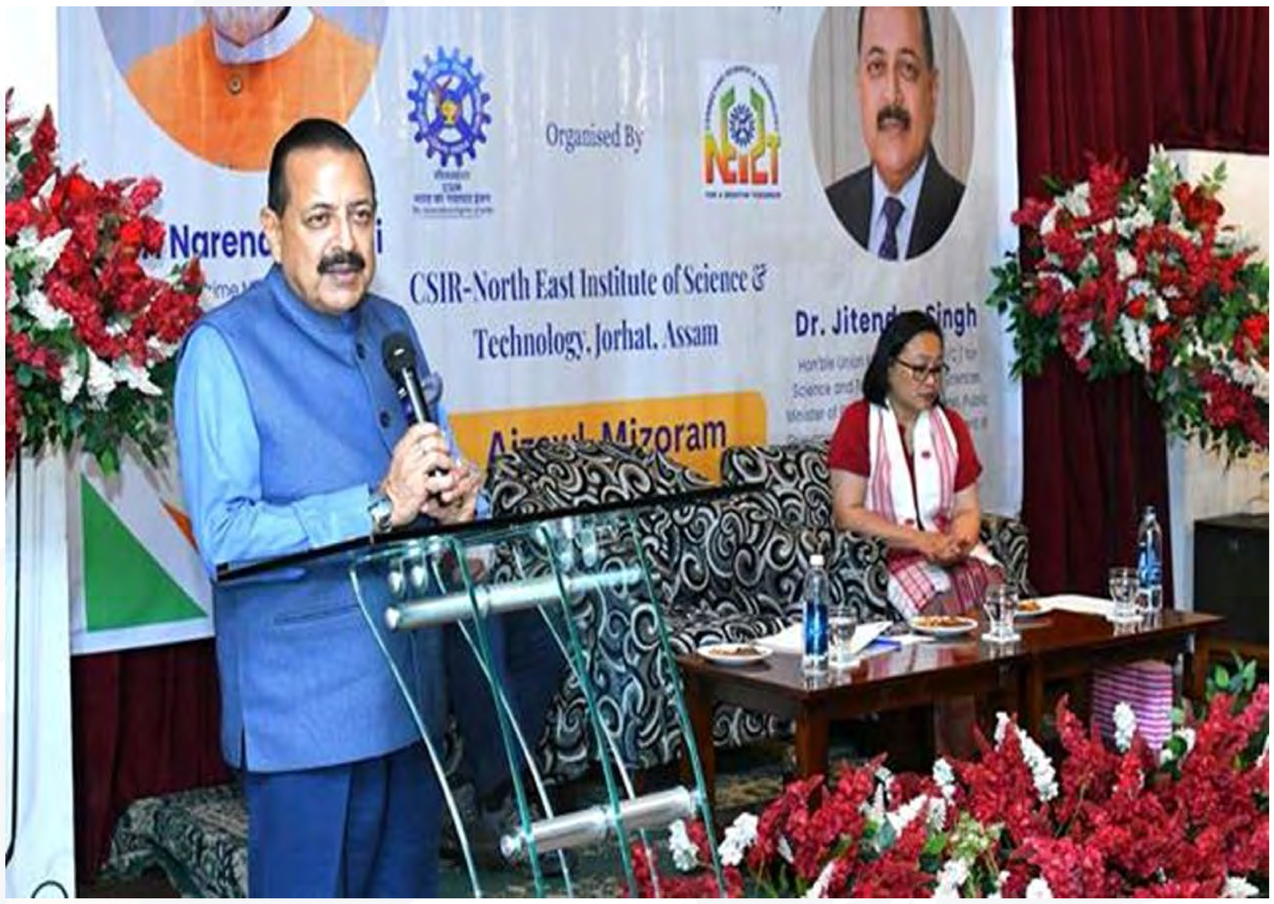
Read More: Times of India

J&K's 'Purple Revolution' model being replicated in Northeast: Dr Jitendra Singh

CSIR-NEIST

31st October, 2025

"Purple Revolution" model of Jammu & Kashmir is being replicated in Northeast".



This was stated here on Thursday by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science & Technology and Earth Sciences, and Minister of State in the Prime Minister's Office, Personnel, Public Grievances & Pensions, Department of Atomic Energy, and Department of Space, and Vice President, CSIR, while addressing the "

Stakeholder-cum-Awarness Meet" and Distribution of Quality Planting Materials under the CSIR–Aroma Mission and CSIR–Floriculture Mission here, organised by CSIR -NEIST.

Referring to the success of the 'Purple Revolution' in Jammu & Kashmir, Dr. Jitendra Singh urged StartUps, farmers and agri-entrepreneurs in Mizoram and other Northeastern states to emulate this model for cultivating aromatic crops like lavender, citronella, lemongrass, and patchouli, which have demonstrated high market demand and income potential…

Read More: Global Kashmir

Floating platform to help generate green power

CSIR-SERC

01st November, 2025

Researchers from city-based CSIR-Structural Engineering Research Centre (CSIR-SERC) developed a hybrid floating platform that can support the generation of both wind and solar power from the same structure. The platform can be deployed in offshore and inland water bodies, enabling the use of ocean and lake surfaces for clean energy generation. The new platform combines horizontal-axis wind turbines and vertical-axis wind turbines with solar photovoltaic panels mounted on a single floating structure. The small and compact vertical-axis wind turbines were incorporated between the primary and large horizontal-axis wind turbines to capture wind from all directions.

The design allows efficient use of space and improves total energy output. Researchers said the structure uses what they describe as a "partially compliant configuration". This means it is rigid enough to support heavy turbines and solar panels, yet flexible enough to move slightly with waves without damage.

N Anandavalli, director, CSIR-SERC, said the hybrid platform was …

Read More: Times of India

CSIR-IMMT Hosts First-Ever Celebration of the International Day of the Deep Seabed Organized by MoES

CSIR-IMMT 01st November, 2025

The Council of Scientific and Industrial Research – Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, hosted the first-ever celebration of the International Day of the Deep Seabed, organized by the Ministry of Earth Sciences (MoES), Government of India, under the aegis of the International Seabed Authority (ISA).

The International Day of the Deep Seabed, declared during ISA's 30th session in July 2025, marks a new global observance to highlight the importance of innovation, stewardship, and sustainable management of deep-sea resources beyond national jurisdictions. Beginning this year, the day will be observed annually on 1 November across the world.

The inaugural event was held at the Dr. R. P. Das Centre, CSIR-IMMT, with support from the Centre of Excellence (CoE) on Critical Minerals under the National Critical Minerals Mission (NCMM). The celebration was conducted under the mentorship of Dr. M. Ravichandran, Secretary, MoES, in collaboration with CSIR-National Institute of Oceanography (CSIR-NIO), Goa, National Institute of Ocean Technology (NIOT), Chennai, and National Centre for Polar and Ocean Research (NCPOR), Goa…

Read More: Samvidhan News

NML Jamshedpur to host CRITMET 2025 on critical metals and minerals

CSIR-NML

01st November, 2025

The CSIR-National Metallurgical Laboratory (NML), Jamshedpur, will host the Critical Metals Congress (CRITMET 2025) from November 6 to 8, 2025, in association with the Ministry of Mines, Ministry of Electronics and Information Technology, and Ministry of Heavy Industries, Government of India.

This will be the first major event on critical minerals organized by CSIR-NML after its recognition as a Centre of Excellence (CoE) under the National Critical Minerals Mission (NCMM) of the Ministry of Mines. The conference aims to bring together policymakers, researchers, and industry leaders to discuss the growing importance of critical metals in India's development.

CRITMET 2025 will feature plenary lectures by global experts, technical sessions focused on beneficiation, extraction, and separation of critical minerals from both primary and secondary (recycling) sources, as well as discussions on international and national policies and supply chain management. A poster presentation will showcase the latest research and innovations, while an industrial exhibition will display advanced technologies related to critical minerals…

Read More: Avenue Mail

CSIR-CSIO Celebrates Foundation Day with "Fit India Freedom Run 6.0 – Swachhata se Swasthya ki Ore" in Collaboration with SBI

CSIR-CSIO 01st November, 2025

The Council of Scientific & Industrial Research–Central Scientific Instruments Organisation (CSIR-CSIO) in collaboration with SBI celebrated its Foundation Day in a spirited manner by organizing the "Fit India Freedom Run 6.0 – Swachhata se Swasthya ki Ore", promoting the message of fitness, cleanliness, and wellness.

The event witnessed enthusiastic participation from more than 170 runners representing CSIR-CSIO, State Bank of India (SBI) and sister laboratory CSIR-IMTECH. The run emphasized the importance of a clean and healthy lifestyle in line with the national "Fit India" initiative.

The event was organized by the CSIO Ladies Club, led by Mrs. Nisha Singh Bhattacharya, President, with commendable efforts from Drs. Preetismita, Neelam, Pooja, Neha, Rekha, Asha Rani, Mrs. Ritu, and others. Co-organization was ably supported by the CSIO Staff Club, under the guidance of Drs. Umesh Tiwari and Amol Bhondekar, along with team members Mr. Deepak Kashyap, Mr. Harbir Pal Singh, Mr. Manu Sharma, Mr. Neeraj Gulerial, Mr. Sunil Kumar, and others…

Read More: India Newscalling

CSIO forays into niche optics field, works on smart head-up display for fifth-generation fighter aircraft

CSIR-CSIO

02nd November, 2025

The Central Scientific Instruments Organisation (CSIO) is developing a next-generation smart Head-Up Display (HUD) for advanced fifth-generation fighter aircraft and beyond, which are expected to enter service in the coming years.

While developing this, CSIO is foraying into the domain of 'waveguide technology', which is an emerging field in India but is being actively pursued by some countries like Israel and the United Kingdom for military applications like the HUD.

Waveguide technology, according to scientists at CSIO, guides electromagnetic waves, such as radio waves or light, through a specific path with minimal loss. Both are used to direct energy from one point to another, such as a light source to a user's eye in an augmented reality headset. Such waves are used in high-power applications like radar systems, high resolution optical devices, augmented reality, broadcasting and even gadgets like microwave ovens, where they prevent energy from spreading beyond the stipulated requirements and minimise loss.

The Defence Research and Development Organisation (DRDO), the Council of Scientific and Industrial Research (CSIR) — of which CSIO is a constituent laboratory — the Indian Institutes of Technology (IITs), and several niche industries …

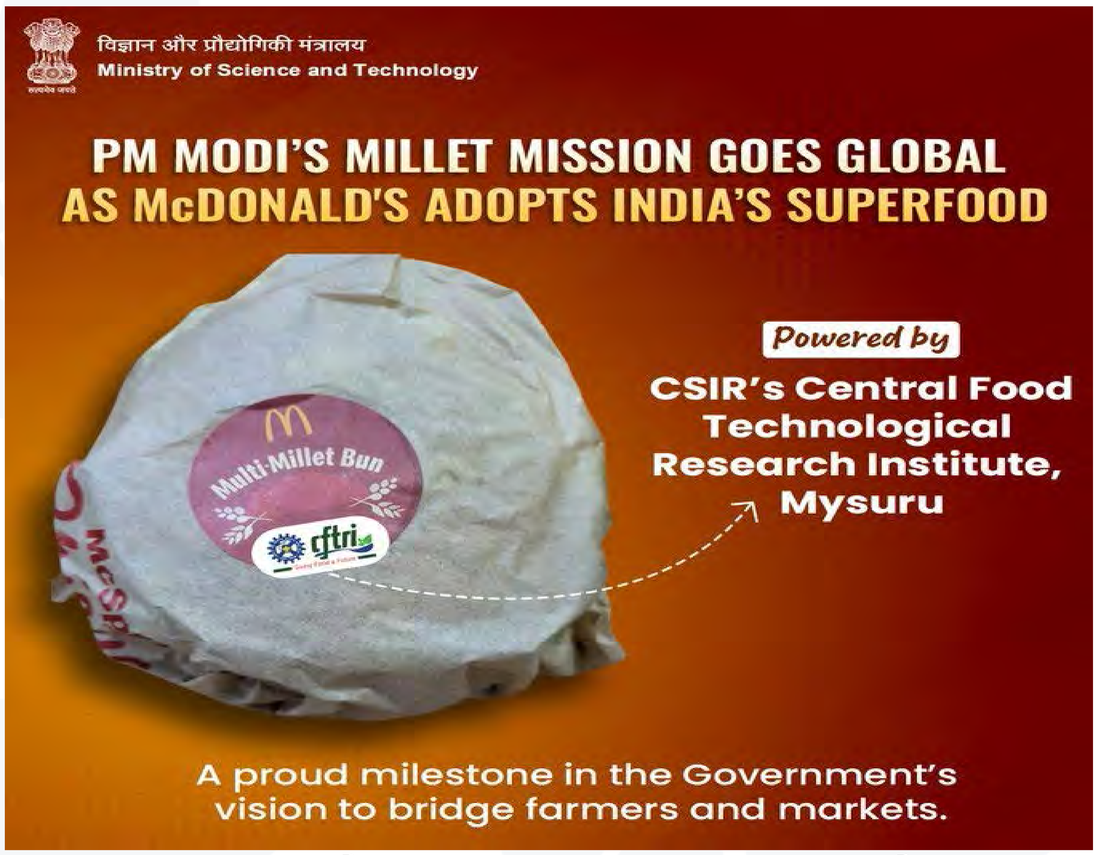
Read More: Tribune India

अब देसी अंदाज में McDonald’s का बर्गर, अब मिलेट का बनेगा बन, अमेरिकी कंपनी ने बदला अंदाज

CSIR-CFTRI

03rd November, 2025

फास्ट फूड की दुनिया में अब दिखने लगा है देसी स्वाद का असर. अमेरिकी कंपनी McDonald’s ने भारत के पारंपरिक अनाज को अपनाते हुए अपने बर्गर को नया रूप दिया है. कंपनी ने ‘Millet Bun Burger’ लॉन्च किया है , जो पूरी तरह भारत में विकसित स्वदेशी तकनीक से तैयार किया गया है. यह पहल न सिर्फ फास्ट फूड में हेल्दी ट्विस्ट लाने की दिशा में कदम है, बल्कि भारत की पोषण परंपरा को ग्लोबल फूड ट्रेंड में शामिल करने का प्रतीक भी है. यह नया बर्गर मैसूर स्थित CSIR–Central Food Technological Research Institute (CFTRI) की टेक्नोलॉजी से तैयार किया गया है. केंद्रीय मंत्री डॉ. जितेंद्र सिंह ने सोशल मीडिया पर लिखा Videshi turns to Swadeshi यानी विदेशी फास्ट फूड अब देसी बन चुका है. उन्होंने इसे भारत के फूड इनोवेशन इकोसिस्टम के लिए गर्व का पल बताया और कहा कि यह दिखाता है कि अब भारतीय रिसर्च और पोषण मॉडल दुनिया के खाने की आदतों को दिशा दे रहे हैं.



क्या है मिलेट्स के फायदे?

मिलेट्स पौष्टिक अनाज होता हैं, जिनमें आयरन, कैल्शियम, मैग्नीशियम, फॉस्फोरस और विटामिन B प्रचुर मात्रा में पाए जाते हैं. ये शरीर को ऊर्जा देने, हड्डियों को मजबूत बनाने और दिमाग के बेहतर काम में मदद करते हैं. इनमें मौजूद फाइबर पाचन तंत्र को बेहतर बनाता है, कब्ज की समस्या से राहत देता है ...

Read More: Mone9Live

‘Science must be for service of society’

CSIR-NBRI 04th November, 2025

Prof Anil Kumar Gupta, former professor, IIM Ahmedabad and founder, Honey Bee Network was the chief guest of the 72nd annual day celebration of NBRI on Monday. Gupta spoke on bioentrepreneurial choices for aspirational communities: towards ethical and responsible science. "With innovation, sustainability, and inclusivity at its core, CSIR–NBRI continues to advance science for the service of society"—empowering farmers…

Read More: Times of India

स्वच्छता के लिए आरआरआर फॉर्मूला अपनाएं : नगर आयुक्त

CSIR-CIMFR 04th November, 2025

सीएसआईआर-सिंफर परिसर में सतर्कता जागरुकता अभियान एवं विशेष स्वच्छता अभियान- 5.0 का समापन समारोह आयोजित किया गया। इसके मुख्य अतिथि नगर आयुक्त रविराज शर्मा थे। उन्होंने अपने आसपास के परिवेश के साफ-सफाई में नगर निगम के साथ प्रत्येक नागरिक की भूमिका को भी महत्वपूर्ण बताया। स्वच्छता के लिए आरआरआर (रिडयूस, रीसाइकिल और रीयूज) फॉर्मूले को अपनाने की बात कही। कार्यक्रम के प्रारंभ में संस्थान के निदेशक प्रो. अरविंद कुमार मिश्रा ने मुख्य अतिथि के साथ ही सभागार में उपस्थित एवं ऑनलाइन माध्यम से जुड़ें सभी स्टाफ एवं प्रतिभागी बच्चों का स्वागत करते हुए सतर्कता एवं स्वच्छता विषय पर विचार व्यक्त किए।

उन्होंने कहा कि परिवेश की स्वच्छता के साथ ही हमें अपने विचारों एवं आचरण की शुद्धता पर भी विशेष ध्यान देना चाहिए। इन अभियान के दौरान हुए कार्यक्रमों का ब्योरा देते हुए आयोजन समिति के अध्यक्ष ई. अमरनाथ, मुख्य वैज्ञानिक ने स्वच्छता एवं सतर्कता के महत्व पर अपने महत्वपूर्ण विचार रखे...

Read More: Live Hindustan

From corporate hustle to conscious living: How Aashima Aghi is making sustainability relatable, replicable, and real

CSIR-CIMAP 04th November , 2025

In a world driven by consumption and convenience, Aashima Aghi chose to slow down. A former Growth Manager at Zomato, Aashima left behind a promising corporate trajectory to pursue a mission that was deeply personal — transforming sustainability from a niche conversation into a lifestyle accessible to all. Today, as the Founder of Marl Organics and one of the Planet Buddies recognized at the ET Edge GSA 7th Annual Meeting, she stands at the intersection of mindful living, entrepreneurship, and climate advocacy.

The turning point: From data dashboards to conscious decisionsAashima's shift toward sustainability began as an act of introspection. The pandemic years brought with them a new awareness of what truly mattered, health, time, and the planet. What started with homegrown herbs and zero-waste swaps evolved into a lifelong commitment to conscious living. "Every small change counts," she often says, reminding her audience that impact begins at home, not in grand gestures but in daily decisions.

Her years at Zomato honed her skills in analytics, leadership, and brand growth. Yet, it was this structured thinking that later helped her translate sustainability into measurable habits and scalable models. With Marl Organics, she began bridging nature and science…

Read More: Etedge Insights

CSIR Showcases India's Leap in Advanced Materials and Manufacturing at ESTIC 2025

CSIR

05th November, 2025

The Council of Scientific and Industrial Research (CSIR) hosted impactful technical session on Day 3 of the Empowering Science, Technology and Innovation Conclave (ESTIC) 2025, highlighting India's advancements in Advanced Materials & Manufacturing. The session brought together leading scientists, innovators, and entrepreneurs to discuss transformative technologies shaping the nation's innovation ecosystem.

The Advanced Materials & Manufacturing plenary session, chaired by Dr. (Mrs) N. Kalaiselvi, Director General, CSIR and Secretary, DSIR, featured a diverse range of discussions on how advanced materials are redefining product realization, industrial design, and sustainability.

Speaking at the plenary, Dr. (Mrs) N. Kalaiselvi, Director General, CSIR, emphasized that science, research and development, and advanced materials are the key pillars for Viksit Bharat 2047. She underlined that breakthroughs in materials science, clean energy, biotechnology, and emerging technologies will shape the country's growth trajectory…

Read More: PIB

NGRI nears completion of geophysical survey for SLBC tunnel project, 3D mapping to guide final phase

CSIR-NGRI

07th November, 2025

The helicopter-borne electromagnetic geophysical survey taken up on the incomplete stretches of the Srisailam Left Bank Canal Tunnel Project by the National Geophysical Research Institute (NGRI) is nearing completion. The survey findings with a comprehensive 3D map are expected to be delivered to the government by the end of this month. NGRI officials confirmed that despite the extended timeline, the report to be

supported with high-resolution 3D visualizations, will be finalized soon. It will provide the state with the critical data needed to accelerate construction of the leftover stretches of the SLBC tunnel project.

'This is not just about mapping rock formations. It is more about the tunnel's alignment minimizing risks while maximizing efficiency," irrigation officials said. The 3D model will help shape the critical final phase, blending precision engineering with real-time environmental safeguards, they added. Spanning a total of 43.39 kilometres underground, the project has already covered 33.59 km using the Tunnel Boring Machine (TBM) technology…

Read More: Telangana Today

Lavender plantation begins along 16-km Banihal–Qazigund NH stretch

CSIR-IIIM

07th November, 2025

To enhance aesthetics and promote aroma tourism, the National Highways Authority of India (NHAI) has started lavender plantation along a 16-kilometre stretch of the Jammu–Srinagar National Highway between Banihal and Qazigund.

Speaking to the news agency—Kashmir News Observer (KNO), Shubham Yadav, Project Director NHAI said the initiative aims to combine environment-friendly beautification with livelihood generation.

"The primary purpose of introducing lavender cultivation along national highways is to promote environmental beautification and aroma tourism, while also providing benefits to local farmers," he said.

Yadav said that a substantial land stretch has been identified and planted. "A total of 200 kanals of land, as per the MoU with CSIR–IIIM (Council of Scientific and Industrial Research – Indian Institute of Integrative Medicine), has been brought under lavender cultivation along the 16.26-km Banihal–Qazigund section," he added…

Read More: Greater Kashmir

CSIR-SERC Undertakes Instrumentation and Load Testing of MRTS Bridge Structures Between Velachery and St. Thomas Mount

CSIR-SERC 07th November, 2025

The CSIR–Structural Engineering Research Centre (CSIR-SERC), Chennai — a premier national laboratory under the Council of Scientific and Industrial Research (CSIR) — is a leading institution in the field of structural engineering research and development. The laboratory is dedicated to advancing indigenous technologies through cutting-edge R&D in analysis, design, and testing of structures and structural components. Over the years, CSIR-SERC has developed numerous innovations, patents, and processes that have contributed significantly to industrial growth and societal benefit across India.

As part of its continuing efforts toward ensuring the safety and performance of India's vital infrastructure, the Structural Health Monitoring (SHM) Laboratory of CSIR-SERC is carrying out several projects for the Indian Railways, focusing on the condition assessment and performance evaluation of both new and existing bridges.

One of the recent assignments is the Instrumentation and Load Testing of selected spans of the Mass Rapid Transit System (MRTS) between Velachery Railway Station and St. Thomas Mount Railway Station in Chennai…

Read More: PIB

Empowering Meghalaya's Farmers with Fragrance: CSIR-IHBT Brings Aroma Mission to Life

CSIR-IHBT

07th November , 2025

In a vibrant step toward rural empowerment, a team led by Dr. Sudesh Kumar Yadav, Director of CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur, visited Meghalaya from November 2–4, 2025. Their mission: to strengthen research and outreach under Phase III of the CSIR-Aroma Mission and forge new collaborations with state departments. During the visit, the team engaged with officials from the Institute of Natural Resources, Meghalaya Basin Development Authority (MBDA), North Eastern Region Community Resource Management (NERCORMS), and scientists from BRIC-IBSD, Shillong. They introduced innovative CSIR-IHBT technologies tailored to Meghalaya's unique agro-climatic conditions, aiming to uplift local farmers through sustainable aromatic crop cultivation. A major highlight was the inauguration of a 500 kg capacity field distillation unit (FDU) in Phlangwanbroi village, Mawsynram block, East Khasi Hills…

Read More: Himachal Headlines

Study Decodes Gibbon Genome, Unlocking Clues to Human Evolution Telangana

CSIR-CCMB

09th November , 2025

Researchers have decoded the genome of gibbons, a small ape species, providing crucial insights into the evolution of humans and other primates. The international research team, which included CSIR-Centre for Cellular and Molecular Biology (CCMB), discovered that gibbons possess a highly rearranged genome structure, far more dynamic than that of humans, chimpanzees, or gorillas. The study, which was published in 'Cell', a research publication, suggested that these frequent chromosomal changes may have accelerated the species' evolution and helped them adapt to diverse forest environments.

Lead scientists noted that the genome instability observed in gibbons is linked to a genetic element unique to the species, which reshuffles chromosomes during reproduction. This finding provides new insight into how primates diverged over millions of years and also has implications for understanding human genetic disorders associated with chromosomal rearrangements. Dr Govindhaswamy Umapathy from the Laboratory for the Conservation of Endangered Species (LaCONES) at CCMB, Hyderabad…

Read More: Deccan Chronicle

Graphene quantum dots can remove mercury from wastewater

CSIR-NIIST

10th November , 2025

A promising method for removal and safe storage of mercury from contaminated water may arise from the conversion of liquid mercury into a solid state by graphene quantum dots, which can trap it for months, without applying external pressures or sub-zero temperatures1.

Mercury is a highly toxic, persistent pollutant, particularly in its ionic form in wastewater. Chemists at the University of Calicut and the CSIR-National Institute for Interdisciplinary Science and Technology, both in Kerala, synthesised nitrogen-doped graphene oxide quantum dots.

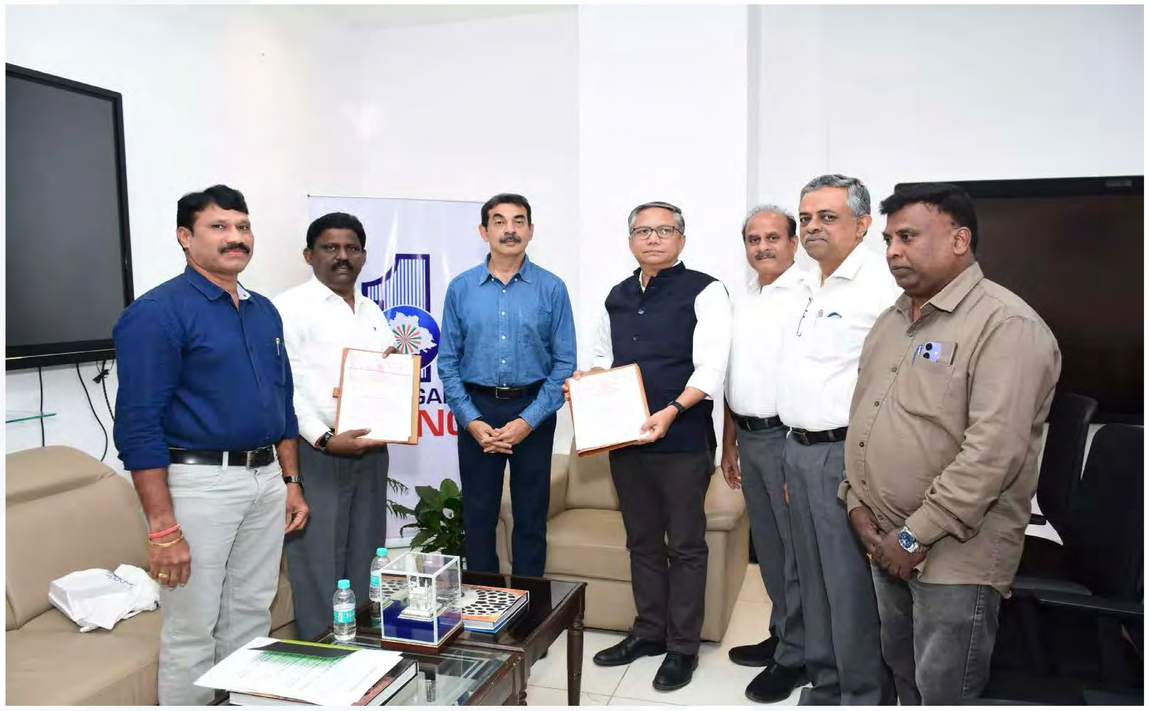
When exposed to solution containing mercury ions, the quantum dots formed sheet-like graphene layers. High pressure that only builds up in space between two graphene layers changes liquid mercury to solid particles…

Read More: Nature

NGRI To Power Tech Leap In Archaeology

CSIR-NGRI

11th November , 2025



The Telangana department of heritage will soon adopt cutting-edge technologies developed by the National Geophysical Research Institute (NGRI) to explore, document and preserve archaeological sites across the state. Under a newly signed MoU, the department and NGRI will collaborate to enhance scientific analysis, improve dating accuracy of artefacts and train archaeologists in modern research methodologies — bringing Telangana's heritage studies in line with global standards.

The MoU was signed in the presence of special chief secretary Jayesh Ranjan, CSIR-NGRI director Dr Prakash Kumar and Prof. K. Arjun Rao, director of the department of heritage, along with senior officials from both institutions. As part of the agreement, the heritage department will gain access to NGRI's advanced scientific tools for site detection, excavation planning and conservation. Geophysical surveys will now allow exploration of buried archaeological sites without extensive excavation, helping protect cultural layers from damage. Using technologies such as Ground Penetrating Radar (GPR…

Read More: Deccan Chronicle

आईएमटेक में सीएसआईआर-आमंत्रण इनडोर स्पोर्ट्स टूर्नामेंट 2025 का शुभारंभ

CSIR-IMTECH 11th November , 2025

सूक्ष्मजीव प्रौद्योगिकी संस्थान (आईएमटेक), चंडीगढ़ के स्टाफ क्लब द्वारा सीएसआईआर स्पोर्ट्स प्रमोशन बोर्ड (एसपीबी) के तत्वावधान में आयोजित सीएसआईआर-आमंत्रण इनडोर स्पोर्ट्स टूर्नामेंट 2025 का शुभारंभ किया गया। यह टूर्नामेंट 11 से 14 नवंबर 2025 तक आयोजित हो रहा है, जिसमें देशभर के विभिन्न सीएसआईआर प्रयोगशालाओं, विज्ञान एवं प्रौद्योगिकी मंत्रालयों, सार्वजनिक उपक्रमों और ट्राइसिटी के संस्थानों की टीमें भी सहभागिता कर रही हैं।

इसका उद्देश्य फिटनेस, टीमवर्क और सौहार्द की भावना को बढ़ावा देना है। कार्यक्रम की मुख्य अतिथि चंडीगढ़ प्रशासन की खेल विभाग सचिव, सुश्री प्रेरणा पुरी, आईएएस रहीं। उनके साथ विशिष्ट अतिथि पद्मश्री परगट सिंह, भारतीय पुरुष हॉकी टीम के पूर्व कप्तान व दो बार के ओलंपिक कप्तान ने मंच की शोभा बढ़ाई। कार्यक्रम में डॉ. संजीव खोसला, निदेशक, सीएसआईआर–आईएमटेक, प्रो. शांतनु भट्टाचार्य, निदेशक, सीएसआईआर–सीएसआईओ तथा डॉ. अनुराधा माधुकर, सचिव, सीएसआईआर स्पोर्ट्स प्रमोशन बोर्ड के सदस्य भी उपस्थित रहे। अपने संबोधन में मुख्य अतिथि सुश्री प्रेरणा पुरी ने कहा कि खेल चरित्र निर्माण के साथ-साथ एक स्वस्थ राष्ट्र के निर्माण में भी महत्वपूर्ण भूमिका निभाते हैं।

उन्होंने अधिक से अधिक लोगों को नियमित रूप से खेल एवं शारीरिक गतिविधियों में भाग लेने के लिए प्रोत्साहित किया। विशिष्ट अतिथि पद्मश्री परगट सिंह ने खेलों को अनुशासन, दृढ़ता और आपसी सम्मान का ...

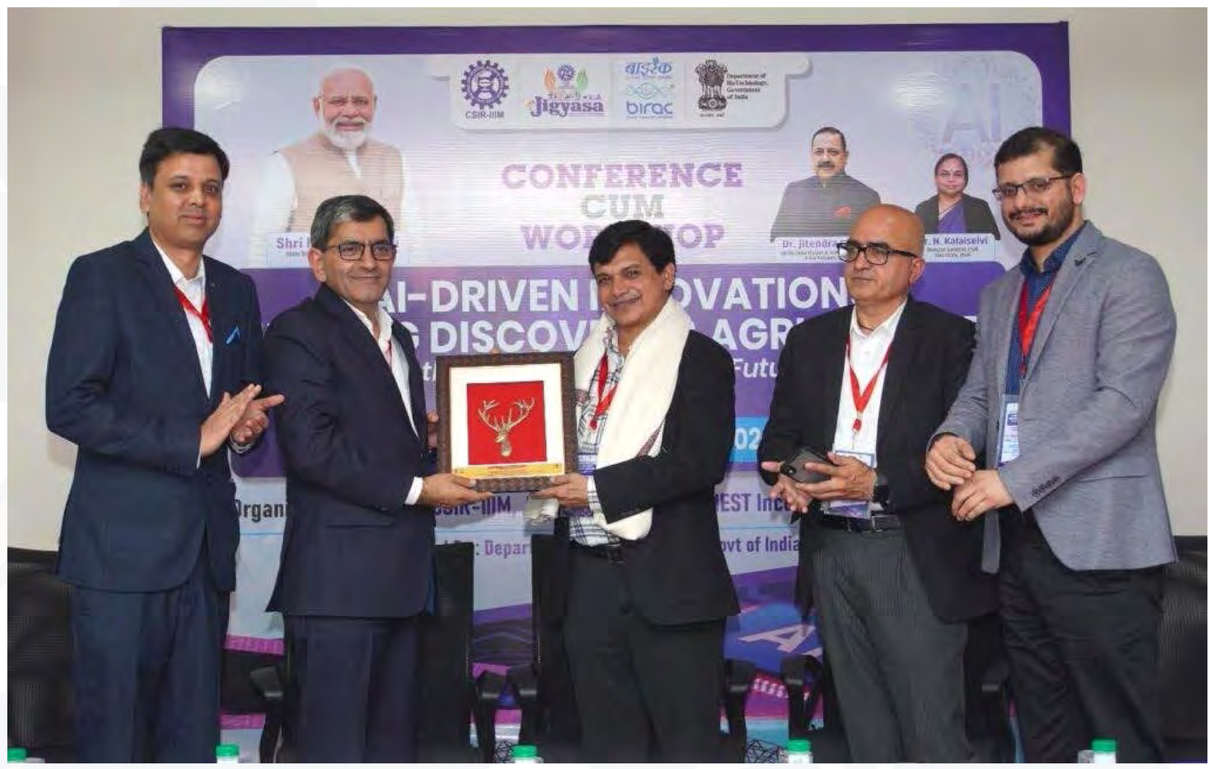
Read More: 5Dariya News

Conference-cum-Workshop on AI driven Innovations in Drug Discovery begins at BIRAC-BioNEST Incubator, Kathua

CSIR-CEERI, CSIR-IIIM

12th November, 2025

A 3 day Conference-cum-Workshop on "AI-Driven Innovations in Drug Discovery and Agriculture (AI-D2A 2025)" commenced here today at BIRAC-BioNEST Incubator, Industrial Biotech Park, Ghatti, Kathua, under the aegis of CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, BIRAC–BioNEST Incubator and CSIR–Jigyasa. Dr. P.C. Panchariya, Director, CSIR–CEERI Pilani, inaugurated the event as Chief Guest while as Dr. Surinder Kumar Atri, Principal, GMC Kathua was the guest of honour.



Dr. Panchariya while addressing the delegates underscored the transformative potential of AI in advancing drug discovery and agricultural research. He highlighted how AI-driven innovations can accelerate scientific breakthroughs, optimize processes, and contribute to sustainable development in healthcare and agriculture. He also shared the CSIR-CEERI's path breaking achievements in making of semi-conductor devices, electronic tongue, adulteration detection sensors for dairy and edible oils…

Read more: Jammu Links News

Council of Scientific & Industrial Research (CSIR) and National Industrial Corridor Development Corporation (NICDC) Partner to Drive Innovation Across India's Industrial Corridors

CSIR

12th November, 2025

The Council of Scientific and Industrial Research (CSIR) and the National Industrial Corridor Development Corporation (NICDC) today signed a Memorandum of Understanding (MoU) to establish a collaborative framework for leveraging CSIR's R&D expertise and innovative technologies across India's upcoming industrial corridors.

The MoU was signed in the presence of Dr. N. Kalaiselvi, Director General, CSIR, and Shri

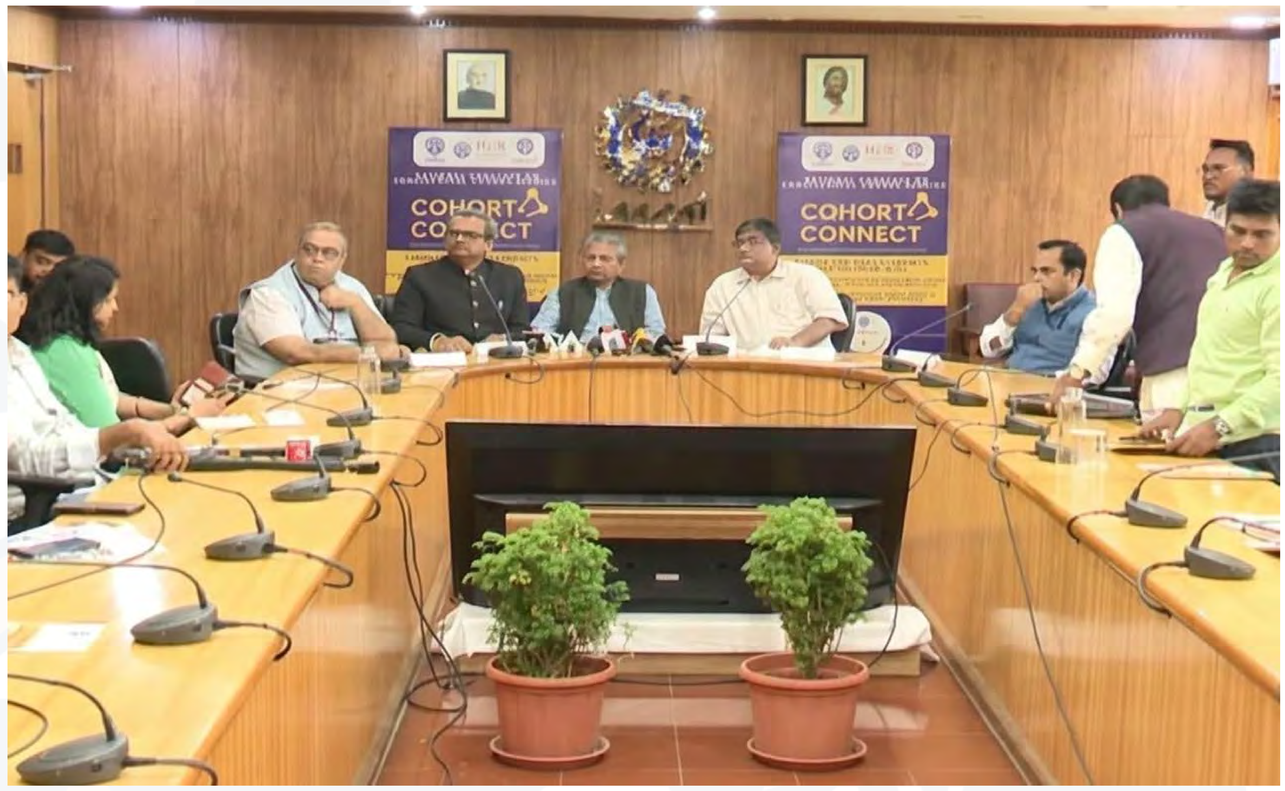
Rajat Kumar Saini, IAS, CEO & MD, NICDC. It was formally executed by Dr. Vibha Malhotra Sawhney, Outstanding Scientist and Head, Technology Management Directorate, CSIR, and Mr. Vikas Goel, General Manager (CS & Marketing), NICDC, at CSIR Headquarters, New Delhi. Senior officials from both organizations were also present. This strategic partnership seeks to foster self-reliant, innovation-led industrial ecosystems aligned with key national initiatives such as Make in India, Startup India, and Aatmanirbhar Bharat…

Read More: PIB

‘Cohort Connect’ national workshop on Digital Health to begin in Bhubaneswar

CSIR-IMMT

12th November, 2025



The national-level workshop, ‘Cohort Connect,’ is set to commence in Bhubaneswar tomorrow. The two-day event will be held at CSIR-Institute of Minerals and Materials Technology (IMMT) and will bring together leading scientists, researchers, and policymakers to deliberate on the future of digital health and personalised medicine in India. Organised under the aegis of the Council of Scientific and Industrial Research (CSIR), the workshop aims to strengthen the country’s efforts in developing a robust digital healthcare ecosystem. The event will be graced by Union Minister of State (Independent Charge) for Science and Technology, Dr Jitendra Singh, who will address key sessions on innovation and technological integration in healthcare…

Read More: Odisha TV

Detecting urinary tract infections to be quicker, cheaper

CSIR-CSMCRI 12th November, 2025

Detection of urinary tract infection (UTI), one of the most common infections, especially among women, is set to become quicker with a pathbreaking innovation by scientists in Bhavnagar. A team of researchers at CSIR–Central Salt & Marine Chemicals Research Institute (CSMCRI), Bhavnagar, have developed a lowcost, rapid test kit that will detect UTIs in just 9 hours — a process that typically takes more than a day using conventional methods. U-AST (Urinary Antibiotic Susceptibility Test) kit was developed by Saumya Haldar and Maheshawari J. Behere, who led a team of microbiologists and biochemists at CSMCRI. The gold standard for UTI diagnosis is considered to be urine microscopy, culture, and sensitivity testing in a pathology laboratory. The total duration of the complete analysis from infection determination to bacterial antibiotic-sensitivity testing typically requires 36 to 72 hours, and the laboratory cost is between Rs 1,000 to 3,000. This test requires trained technicians and controlled lab environments that are not available in rural and some semi-urban areas. …

Read more: Times of India

Science Meets Sustainability: CSIR-IITR Hosts Grand Inauguration of EARTH 2025

CSIR-IITR

12th November, 2025

The international conference EARTH 2025 (Environment and Risk Assessment for Toxicology and Health) was inaugurated at the CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, in a grand ceremony held on the institute lawns. The event brought together eminent scientists, academicians, policymakers, and industry leaders from across India and abroad to deliberate on cutting-edge developments in environmental health, toxicology, and sustainability. The ceremony began with the inauguration of the scientific exhibition, showcasing advancements in analytical and toxicological research. In his welcome address, Dr. Ravi Ram Kristipati, Secretary, ASTRA, announced the ASTRA Fellowships, which were subsequently presented by Dr. Bhaskar Narayan, Director, CSIR-IITR, and President, ASTRA, who also launched the ASTRA Local Chapter. The prestigious ASTRA Fellowships were conferred upon Dr. Miro Smriga, Executive Officer, M/s Ajinomoto Co. Inc., Japan; Dr. Kattesh V. Katti, Director, Institute of Green Nanotechnology, University of Missouri, USA; and Shri N. Venkateswaran, CEO, National Accreditation Board for Certification Bodies (NABCB), India, in recognition of their outstanding contributions to science and research…

Read more: The Lucknow Tribune

CSIR-SERC and Arivial Sangam Partner for NTSC 2026 to be held in Chennai

CSIR-SERC

12th November, 2025

CSIR-Structural Engineering Research Centre (CSIR-SERC) in collaboration with Arivial Sangam, Tamil Nadu will organize The National Tamil Science Conference (NTSC 2026) during 20-22 February 2026, at CSIR-SERC, Chennai. The theme of the conference is Sustainable Development in Science and Technology and it is a unique platform dedicated to promoting science, technology, and innovation through the Tamil language. A curtain raiser to the conference was organized at CSIR-SERC on 12 November 2025.

Dr. S. Parivallal, Advisor (M), CSIR-SERC, welcomed the participants. Shri R Abga, South Zone Organizing Secretary for Vijnana Bharati (VIBHA), briefed on the concept of the conference. The introduction to NTSC 2026 was given by Dr. B. Chandrasekaran, Arivial Sangam Tamil Nadu & Former Director, CSIR-CLRI and Dr. S. Chandrasekaran, Arivial Sangam Tamil Nadu (IGCAR). The official poster was released by Dr. N. Anandavalli, Director, CSIR-SERC…

Read more: PIB

CSIR-NIIST's technology turns industrial waste into eco-friendly building materials

CSIR-NIIST 12th November, 2025

Foundry sand waste, a by-product generated in large volumes by metal casting industries in the country will no more be labelled as pollutants but will turn into an eco-friendly and cost effective alternative for the booming construction sector.

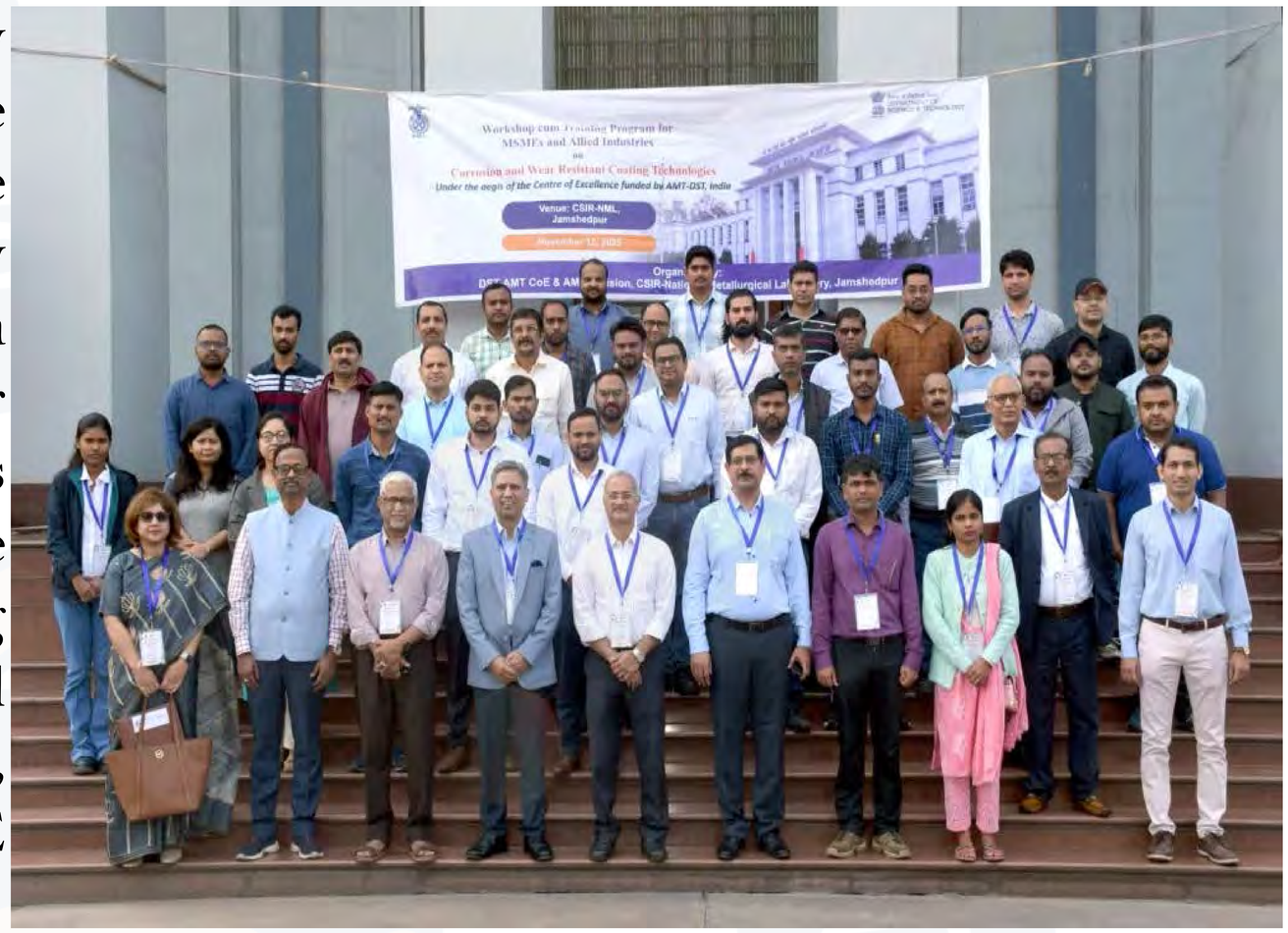
Using technology devised by Thiruvananthapuram-based central research institution CSIR-NIIST, tons of foundry sand waste would be turned into high strength bricks that meet the IS 1077 standards. As a first step, the institution has joined hands with a private company to set-up a brick manufacturing plant to utilise nearly 30 tons of silica sand on daily basis to produce up to 5,000 bricks per day. Speaking about the technology, C Anandharamakrishnan, Director, CSIR-NIIST said it would not only address an environmental challenge but also create an opportunity for industry to participate in nation-building through green innovation. CSIR-NIIST scientists systematically studied the reactivity of the foundry sand waste with cement, lime, gypsum, and polymer modified binders and documented the critical parameters such as strength, density, water absorption properties usually required for building bricks…

Read more: New Indian Express

NML Organizes Workshop on Corrosion and Wear Resistant Coating Technology for MSMEs

CSIR-NML

11th November, 2025



CSIR-National Metallurgical Laboratory (CSIR-NML), Jamshedpur, under its Centre of Excellence (CoE) funded by the Department of Science & Technology (DST), Government of India, organized a Workshop-cum-Training Programme for Micro, Small and Medium Enterprises (MSMEs) and Allied Industries on the theme "Corrosion and Wear Resistant Coating Technology." The one-day programme aimed to enhance awareness, technical knowledge, and skill development among MSME professionals in the area of advanced surface engineering and protective coating technologies. The event offered valuable insights into coating techniques, material selection, performance evaluation, and industrial applications to extend component life and improve reliability…

Read More: Uditvani

MultiPLE-ATMOS: IITR's new device promises to 'wash' air, cut smog

CSIR-IITR

13th November, 2025

According to IITR director Bhaskar Narayan, the device aims to reduce all key ambient air pollutants defined under the National Ambient Air Quality Standards (Central Pollution Control Board, 2009). These include PM2.5, PM10, sulphur monoxide, nitrogen dioxide, carbon monoxide, nitrogen trihydride, and toxic metals such as lead, arsenic, and nickel, along with airborne pathogens. Scientists at CSIR–IITR in Lucknow have developed a machine that can clean polluted air, promising a cleaner breath for cities battling smog. The device, named MultiPLE-ATMOS, was unveiled on Wednesday during the four-day conference "Emerging Approaches in Risk Analysis and Translational Aspects of Health and Environment (EARTH)" hosted by the Indian Institute of Toxicology Research (IITR). According to IITR director Bhaskar Narayan, the device aims to reduce all key ambient air pollutants defined under the National Ambient Air Quality Standards (Central Pollution Control Board, 2009). These include PM2.5, PM10, sulphur monoxide, nitrogen dioxide, carbon monoxide, nitrogen trihydride, and toxic metals such as lead, arsenic, and nickel, along with airborne pathogens…

Read More: Hindustan Times

“Indian Data for Indian Solutions Is the Only Way to Defeat Diabetes,” says Dr. Jitendra Singh on Eve of World Diabetes Day

CSIR-IMMT

13th November, 2025

On the eve of World Diabetes Day tomorrow, Union Minister of State (Independent Charge) for Science & Technology, MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh today launched "Phenome National Conclave on Longitudinal Cohort Studies: Cohort Connect 2025", at CSIR–IMMT, here.

Cohort Connect is said to be India’s largest evidence-based study on Genetic, Lifestyle and Environmental drivers of Disease.

Delivering the inaugural address, Dr. Jitendra Singh said that the discussion taking place a day before World Diabetes Day carries special relevance, as metabolic disorders like diabetes are rapidly emerging as a major national health challenge. He emphasised that diabetes today represents not just a clinical condition but a complete spectrum of vascular, neurological, and renal complications, making scientific research in this domain critical for national planning…

Read More: PIB

CSIR-CRRI, GBA to review EcoFix pothole repairs before citywide rollout

CSIR-CRRI 14th November, 2025

A team from the Council of Scientific and Industrial Research-Central Road Research Institute (CSIR-CRRI) along with officials from the Greater Bengaluru Authority (GBA) will soon inspect all potholes that were filled with 'EcoFix' -- a quick-fix technology.

Two months back, the CSIR-CRRI had inked a memorandum of understanding with the Karnataka Chief Secretary, Urban Development Department, and GBA to fill potholes that will withstand all weather conditions, including heavy rain.

According to GBA officials, over the last few weeks, potholes in 10-15 locations had been filled using this technology. "So far, no follow-up was done. We will now review the work and visit the locations in the coming days before expanding it to all areas," said GBA Chief Commissioner M Maheshwar Rao.

The CSIR-CRRI's EcoFix repairs potholes within 20 minutes, irrespective of the weather conditions. Dry and waterlogged potholes are repaired instantly, without dewatering and without using any heavy machinery…

Read More: New Indian Express

सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

CSIR India

CSIR INDIA

csirindia

CSIR_IND

CSIR India

www.csir.res.in

Follow CSIR on social media for the latest updates!

Compiled by Science Communication and Dissemination Directorate (SCDD), CSIR Hq, Anusandhan Bhawan, New Delhi