सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

News Bulletin
01 To 15 November 2026





CSIR in Media

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

Even 1800 metres deep, the sea is not free of our plastic pollution!

CSIR-CSMCRI 30th October, 2026

Microplastics, smaller than 5 mm, are well documented in coastal waters and on beaches across the world. Far less is known about how they move down through the ocean, especially in the northern Indian Ocean. Researchers from the CSIR-Central Salt and Marine Chemicals Research Institute in Bhavnagar, the Academy of Scientific and Innovative Research in Ghaziabad, and the Centre for Marine Living Resources and Ecology in Kochi surveyed the water column and seabed sediments around the Lakshadweep archipelago in the Arabian Sea. This is the first depth-resolved study of paired water and sediment microplastics for the archipelago.

The research vessel FORV Sagar Sampada collected water samples from six stations and three offshore seamounts. Researchers counted particles in the water under a microscope and identified them by Raman spectroscopy. Water samples held about 10 to 125 particles per 15 litres, with the highest count at seamount station SM1ST2 at 5 m. Sediments held 13 to 109 particles per 50 g of dry sediment. Seamount stations had substantially higher abundances than the coastal transect stations…

Read More: Research Matters

CSIR-NML hosts 74 Tatanagar KV students under Jigyasa program

CSIR-NML

30th October, 2026

CSIR-NML hosted an educational visit for 74 eighth-grade students and four teachers from PM SHRI Kendriya Vidyalaya, Tatanagar, under the 'Jigyasa' initiative.



Participants kicked off the event by joining the energetic 'Fit India Freedom Run 2026' across the campus grounds. Director Dr. Sandip Ghosh Chowdhury delivered an inspiring opening address to the gathering.

He emphasized the essential role that metals and minerals play in daily modern life. Students explored dynamic research facilities throughout the laboratory complex. They engaged in direct interactive sessions with working research scientists.

The young visitors participated in hands-on 'do-it-yourself' activities. They watched an engaging scientific demonstration that successfully demonstrated water splitting…

Read More: The Avenue Mail

CSIR-IIIM Concludes Health Screening Camp in Srinagar Under Phenome India Mission

CSIR-IIIM

30th October, 2026

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM) on Thursday concluded a five-day health screening and check-up camp under the nationwide Phenome India – CSIR Health Cohort Knowledge Base (PI-CHeCK) initiative at its Srinagar branch laboratory.



The programme commenced at CSIR-IIIM Jammu on October 25 and concluded in Srinagar on October 29, with the objective of promoting preventive healthcare and advancing personalised medical solutions tailored to the Indian population. The initiative is being implemented across a network of 37 CSIR laboratories nationwide…

Read More: Jammu Links News

AIC-IIIM Launches Month-Long Leather Technology Training Programme in Srinagar

CSIR-IIIM

30th October, 2026

The Atal Incubation Centre (AIC-IIIM), Srinagar, has launched a month-long Skill Development Training Programme in Leather Technology to equip aspiring candidates with practical, industry-oriented skills and encourage entrepreneurship in the leather sector.



The programme is being jointly organised by the AIC-IIIM Bioinnovation Foundation and Kashmir Government Polytechnic College, Srinagar, with around 14 candidates participating.

Dr Zabeer Ahmed, Director, CSIR-IIIM Jammu and Chairman of the AIC-IIIM Bioinnovation Foundation, inaugurated the programme and interacted with the trainees…

Read More: Jammu Links News

तपेदिक से जीन थेरेपी तक, वैज्ञानिकों ने साझा की शोध की नई उपलब्धियां



तपेदिक की जीनोमिक निगरानी, जीन थेरेपी के लिए स्वदेशी CRISPR-Cas9 तकनीक, कीट प्रतिरोधी कपास और लैक्टोफेरिन आधारित आणविक चिकित्सा। जैव चिकित्सा और जीवन विज्ञान के इन महत्वपूर्ण क्षेत्रों में हो रहे शोध और उनकी संभावनाओं पर वैज्ञानिकों ने अपने विचार साझा किए।

यह चर्चा सीएसआईआर-केंद्रीय औषधि अनुसंधान संस्थान (सीडीआरआई), लखनऊ में आयोजित सोसाइटी ऑफ बायोलॉजिकल केमिस्ट्स (इंडिया) [SBC(I)] की 95वीं वार्षिक बैठक के तीसरे और अंतिम दिन हुई।

वैज्ञानिक सत्रों में विशेषज्ञों ने बताया कि आणविक स्तर पर रोगों को समझने और नई तकनीकों के विकास से मानव स्वास्थ्य, रोग नियंत्रण तथा कृषि क्षेत्र में किस तरह नई संभावनाएं बन रही हैं...

Read More: National News Vision

CSIR-IIIM Marks Rashtriya Ekta Divas, Calls for Greater Transparency and Accountability

CSIR-IIIM

31st October, 2026



The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, marked Rashtriya Ekta Divas and concluded its observance of Vigilance Awareness Week 2026 with a special lecture on “Probity for Prosperity”, emphasising integrity, transparency and accountability in institutional functioning.

The programme coincided with the birth anniversary of Sardar Vallabhbhai Patel, observed nationwide as Rashtriya Ekta Divas. As part of its ongoing three-month Vigilance Awareness Campaign, the institute also organised a session on the effective use of E-Office modules to promote ethical practices and improve administrative efficiency…

Read More: Jammu Links News

Ocean acidification threatens Goa's Mackerel stocks: CSIR-NIO

CSIR-NIO 01st November, 2026

A new study by the CSIR-National Institute of Oceanography (NIO) warns that human-induced ocean acidification threatens the life of a key fish food source, which can affect fish stock adversely, especially the mackerel, along the West Coast of India.

ocusing on the dynamic waters at the mouth of the Zuari River in Goa, the research evaluates the resilience of Pseudodiaptomus serricaudatus (P. serricaudatus), a microscopic, free-swimming copepod species. Despite its tiny size, this organism serves as an essential ecological bridge between primary producers like phytoplankton and higher marine life, acting as the primary food source for the commercially critical Indian mackerel.

Senior Principal Scientist and Head of the Biological Oceanography Division at CSIR-National Institute of Oceanography, Dr Manguesh Uttam Gauns, conducted the study along with co-authors including S Kanotra, S Panchal, S S Shetye, D Bhati, and others.…

Read More: Herald Goa

In J&K's Doda, women self-help groups get an income boost through commercial floriculture

CSIR-IIIM

01st November, 2026

Commercial floriculture is proving to be a powerful engine for the economic independence and development of women in the rural stretches of Jammu and Kashmir.

The change is evident from the empowerment of women in Doda district, where the Self-Help Groups (SHGs) have taken up the task of floriculture.

The women-led SHGs are growing, harvesting, and adding value to host of ornamental crops in Sartingal village of Bhaderwah of Doda, under the National Rural Livelihood Mission (NRLM). This has resulted in steady incomes for multiple households, women gaining entrepreneurial skills, and securing leadership roles in agriculture.

A SHG of women farmers led by the cluster coordinator Nadia Farooq, who embraced marigold farming on a piece of barren land with the assistance of CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), attributed the new found success to the Ministry of Science and Technology's Floriculture mission…

Read More: SocialNews.XYZ

Hyderabad scientists call for region-specific snake antivenom to improve bite treatment

CSIR-CCMB

02nd November, 2026

It may sound strange, but according to top scientists from Hyderabad, the country needs a region-specific snake antivenom optimized for snake bite victims based on their geographical location.

This means that the present-day standard pan-India antisnake venom will not guarantee protection for a snake bite victim from the North-East or Deccan plateau or someplace else.
At present, if a patient is bitten by a venomous snake anywhere from Kanyakumari to Assam, doctors administer a standard polyvalent Anti-Snake Venom (ASV).

However, recent research by senior scientist Dr. Karthikeyan Vasudevan at Hyderabad-based Centre for Cellular and Molecular Biology's Laboratory for the Conservation of Endangered Species (LaCONES-CCMB), has indicated snake venom evolves based on location.

The research shows that snakes do not produce a standard cocktail of toxins and their venom profiles shift based on where they are located, the local climate…

Read More: Telangana Today

CSIR-NIScPR organises third International Conference on Communication and Dissemination of Traditional Knowledge (CDTK)-2026

CSIR-NIScPR

02nd November, 2026

CSIR-National Institute of Science Communication and Policy Research (NIScPR) is organising the 3rd International Conference on Communication and Dissemination of Traditional Knowledge (CDTK-2026) on 02-03 November 2026 at CSIR-NPL, New Delhi. The first day of the conference was inaugurated on 2nd November 2026.



Dr Joram Aniya, Hon'ble Member, NITI Aayog, was the chief guest. She highlighted on indigenous practices of Arunachal Pradesh which serves as a resilient model and urged young minds to share this knowledge with the world and help policymakers frame policies that benefit the society…

Read More: PIB

Students explore chemistry and climate action

CSIR-IICT

02nd November, 2026



Around 1,150 schoolchildren from municipal schools in Hyderabad participated in BASF Kids' Lab, a hands-on science education programme conducted by BASF in collaboration with CSIR–Indian Institute of Chemical Technology (CSIR-IICT). Designed for children aged 8 to 12, the programme uses experiments and interactive activities to introduce basic chemistry concepts and raise awareness of environmental sustainability and climate action. The activities help students explore scientific ideas through observation and experimentation. Kim Höffken, Managing Director of BASF Digital Solutions Private Limited, said the programme encourages children to explore science, ask questions…

Read More: The Hans India

CSIR-NGRI and ASTC hold annual convention on earth sciences and strategic resource

CSIR-NGRI

03rd November, 2026

The Academy for Science, Technology and Communication (ASTC), in collaboration with CSIR–National Geophysical Research Institute (CSIR-NGRI), Hyderabad, organised the ASTC Annual Convention 2026 and a special scientific session on "Earth Sciences, Strategic Resources and Advanced Technologies for India's Future" at the CSIR-NGRI campus. The convention brought together scientists, academicians and experts



to discuss developments in Earth sciences, resource security, indigenous technologies and interdisciplinary research. Welcoming the participants, Dr Prakash Kumar, Director of CSIR-NGRI, highlighted the role of scientific collaboration and advanced Earth science technologies in addressing national priorities and resource security…

Read More: The Hans India

CSIR-NIScPR Successfully Concludes the International Conference on CDTK-2026, marking 25 years of the Indian Journal of Traditional Knowledge (IJTK)

CSIR-NIScPR

03rd November, 2026



The final day of the International Conference on Communication and Dissemination of Traditional Knowledge (CDTK) commenced with a dedicated scientific session entitled, "Challenges and Opportunities in Scholarly Communication in Traditional Knowledge: Celebrating 25 Years of Indian Journal of Traditional Knowledge (IJTK)". The session opened with a commemorative video documenting the inception, advancements, and key milestones of the IJTK over its 25 years journey. Following the visual presentation, Dr Geetha Vani Rayasam, Director, CSIR-NIScPR, officially released the IJTK 25th anniversary issue…

Read More: PIB

CSIR-IIIM Director reviews Aroma Mission clusters in Haryana, Assures farmers of support for processing and market linkages

CSIR-IIIM, CSIR-NBRI

03rd November, 2026

Dr. Zabeer Ahmed, Director, CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, and CSIR-National Botanical Research Institute (CSIR-NBRI), Lucknow, visited the CSIR-Aroma Mission clusters at Hisar and Rohtak in Haryana to review their progress and assess the impact of aromatic crop cultivation on farmers in the region.



During the visit, Dr. Ahmed, accompanied by Dr. Suphla B Gupta, Nodal Scientist of the CSIR-Aroma Mission, interacted with farmers associated with the two clusters and took stock of the progress made in the cultivation of aromatic crops…

Read More: Daily Excelsior

Saffron blooms in barren Ladakh soil in 30 days

CSIR-IIIM

03rd November, 2026

An experimental saffron cultivation initiative on previously barren land in Ladakh has achieved early success, with flowers blooming in less than a month—far ahead of the expected two-month timeline, local administration officials said on Sunday (November 1).

Officials confirmed that approximately 22 grams of high-value saffron were harvested over four days from reclaimed land in Spituk Farka, Leh.

The project commenced on October 1, 2026, when around 90,000 premium Iranian saffron corms weighing 800 kilograms were planted across 4,000 square meters of land.

While the field initially yielded 20 to 25 flowers daily, production spiked to 72 blooms on Sunday morning, marking the highest single-day yield so far…

Read More: Daily Observer

CSIR-NEERI developing firecrackers with upto 60% lower emissions

CSIR-NEERI 03rd November, 2026

With growing concerns over air and noise pollution caused by firecrackers, CSIR-National Environmental Engineering Research Institute (NEERI) is working on formulations that can cut emissions by up to 60%. The institute is also seeking to revive the traditional joint-firecracker (ladis) industry that has suffered job losses over the last few years.

The institute is also developing 12-13 new formulations that emit little to no visible smoke. These new variants are expected to reach the market by next Diwali, Joshua Krupadam, coordinator of National Centre of Excellence for Green Firecrackers at NEERI, told TOI on Tuesday.

“Earlier formulations developed by NEERI and transferred to manufacturers resulted in about 25-30% lower emissions than conventional firecrackers. The newer formulations have achieved emission reductions of 45-60%,” Krupadam said…

Read More: Times of India

EIL C&MD Visits CSIR-IMMT for Joint Review of MoU Progress

CSIR-IMMT

03rd November, 2026



An Engineers India Limited (EIL) delegation led by Shri Atul Gupta, Chairman & Managing Director, along with Shri S. Balakumar, Director (Projects), visited CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar.

Purpose of Visit

A joint review meeting was held to evaluate progress under the Memorandum of Understanding (MoU) signed between EIL and CSIR-IMMT in July 2026.

The team also explored various pilot-scale facilities at the institute, with a focus on strengthening cooperation…

Read More: PSU Connect

CSIR-NAL's Gas-Dynamic Resonance Ignitor Success Marks Major Step Towards Methane-Fuelled Space Propulsion

CSIR-NAL

04th November, 2026

More than a year ago, CSIR-NAL initiated the development of an advanced ignition technology aimed at supporting the next generation of in-space propulsion systems using environmentally friendly propellants such as methane.

Known as the Unique Resonance Jet Assisted (URJA) ignition device, the technology has been conceived as a futuristic ignition solution capable of enabling multiple, and potentially unlimited, engine re-ignitions during a mission.

Such a capability is critical for modern spacecraft operations, including orbital transfers, attitude control manoeuvres, space station operations and deep-space exploration missions…

Read More: Indian Defense News

सीएसआईआर-एनएमएल जमशेदपुर में जनजातीय गौरव दिवस हर्षोल्लास के साथ मनाया गया, बिरसा मुंडा के साहस, त्याग तथा न्याय, समानता और जनजातीय अस्मिता के लिए किए गए संघर्ष को किया याद

सीएसआईआर–राष्ट्रीय धातुकर्म प्रयोगशाला (सीएसआईआर-एनएमएल), जमशेदपुर में जनजातीय गौरव दिवस का आयोजन उत्साह एवं गरिमामय वातावरण में किया गया. कार्यक्रम में मुख्य अतिथि के रूप में वैद्यनाथ मांडी, प्रदेश अध्यक्ष, ट्राइबल इंडियन चैंबर ऑफ कॉमर्स एंड इंडस्ट्री झारखंड उपस्थित थे. इस अवसर पर डॉ. संदीप घोष चौधरी, निदेशक, सीएसआईआर-एनएमएल; डॉ. एमएम ह्यूमेन; जय शंकर शरण तथा डॉ. परीक्षित मुंडा मंच पर उपस्थित रहे.

कार्यक्रम का शुभारंभ पारंपरिक रूप से दीप प्रज्ज्वलन एवं राष्ट्रगीत 'वंदे मातरम्'के गायन के साथ हुआ.डॉ. संदीप घोष चौधरी, निदेशक, सीएसआईआर-एनएमएल ने कार्यक्रम में उपस्थित सभी अतिथियों, शिक्षकों, जनजातीय समुदायों के 144 स्कूली विद्यार्थियों, शिक्षा निकेतन, डिमना के प्रतिष्ठित जनजातीय प्रतिनिधियों तथा संस्थान के अधिकारियों एवं कर्मचारियों का हार्दिक स्वागत किया...

Read More: Sharp Bharat

NRL Signs MoA with CSIR-IICT for CO_2-to-Formic Acid Process

CSIR-IICT

05th November, 2026



Numaligarh Refinery Limited (NRL) has signed a Memorandum of Agreement (MoA) with CSIR–Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, for the development of a continuous process for the production of Formic Acid through catalytic hydrogenation of CO_2.

The initiative marks an important step in NRL's efforts towards decarbonisation and innovation. It is aligned with the company's commitment to achieving its Net Zero target by 2038 and supports the transition towards a low-carbon refinery ecosystem.

By turning captured CO_2 into a useful chemical product, the collaboration reinforces NRL's focus…

Read More: PSU Connect

CSIR-CCMB scientists discover rare gene mutations behind inherited heart disease

CSIR-CCMB

05th November, 2026

Scientists from the CSIR-Centre for Cellular and Molecular Biology (CCMB), in collaboration with researchers from Osmania University and AIG Hospitals, have identified two rare genetic mutations linked to Hypertrophic Cardio-Myopathy (HCM), a potentially life-threatening inherited heart disease that can lead to heart failure and sudden cardiac death.

Heart disease remains the leading cause of death worldwide and is a major health burden in India, particularly among people aged 35 to 64 years. The heart is a muscular organ that pumps blood throughout the body through a coordinated cycle of relaxation and contraction.

It consists of four chambers, with the upper chambers called the atria and the lower chambers known as the ventricles. The right side of the heart pumps oxygen-poor blood to the lungs, while the left side circulates oxygen-rich blood to the rest of the body…

Read More: The Hindu

CSIR-NEERI wins First Prize at National AI-ML Hackathon 2026

CSIR-NEERI

05th November, 2026

CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur, has won the First Prize under Problem Statement 2 at the national-level Hackathon on R&D-2026, organised by Central Mine Planning & Design Institute Limited (CMPDI), Ranchi, a subsidiary of Coal India Limited under the Ministry of Coal, Government of India.



Hon'ble Union Minister of State for Coal and Mines, Shri Satish Chandra Dubey, presented the award during the Star Rating Award Ceremony for Coal and Lignite Mines, held at Mayfair Lake, Raipur on 2 November 2026. Dr. Asheesh Sharma, Scientist-F & Head, IT & Digital Infrastructure Unit and Centre of Environmental Intelligence & Digital Systems, and Dr. Kanchan Kumari, Scientist-F, CSIR-NEERI Kolkata Regional Centre received the award…

Read More: PIB

हिमाचल की मध्य पहाड़ियों में पहली बार लहलहाया ड्रैगन फ्रूट, 750 ग्राम तक के फलोंकी हुई पैदावार

CSIR-IHBT

05th November, 2026

हिमाचल प्रदेश की मध्य पहाड़ियों में अब ड्रैगन फ्रूट की खेती का रास्ता खुल गया है। सीएसआईआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान (सीएसआईआरआईएचबीटी), पालमपुर ने वैज्ञानिक परीक्षण के बाद पहली बार मध्य पहाड़ी क्षेत्र में ड्रैगन फ्रूट की सफल खेती और फसल की कटाई कर एक बड़ी उपलब्धि हासिल की है। खास बात यह है कि यहां उत्पादित ड्रैगन फ्रूट का वजन 750 ग्राम तक पाया गया है और फलों की गुणवत्ता भी उत्कृष्ट रही है।

अब तक ड्रैगन फ्रूट को मुख्य रूप से गर्म और मैदानी क्षेत्रों की फसल माना जाता था। लेकिन सीएसआईआर-आईएचबीटी के निदेशक डॉ. सुदेश कुमार यादव के नेतृत्व में वैज्ञानिकों की टीम ने यह साबित करने का प्रयास किया कि पहाड़ों की ठंडी जलवायु में भी इसकी खेती संभव है।

संस्थान में यह प्रयोग 10 मई 2025 को शुरू किया गया था। शुरुआत में कुछ पौधों की कलमें लगाकर वैज्ञानिकों ने खेती की संभावनाओं का अध्ययन किया।इस दौरान पहाड़ों की ठंडी रातों, तों सर्दियों में पड़ने वाले पाले और मानसून की भारी बारिश जैसी चुनौतियों पर विशेष नजर रखी गई। वैज्ञानिकों ने लगातार पौधों की वृद्धि, मौसम के प्रभाव और फलों की गुणवत्ता का अध्ययन किया तथा जरूरत के अनुसार खेती की तकनीक में बदलाव किए...

Read More: Ujjwal Himachal

पेड़ों की गिनती से लेकर ऊंचाई तक बताएगी एआई तकनीक, देश के 70 प्रस्तावों में सीएसआईआर-नीरी का प्रस्ताव अव्वल

CSIR-NEERI

05th November, 2026

जैव विविधता केवल पेड़-पौधों और वन्यजीवों का समूह नहीं, बल्कि धरती पर जीवन के संतुलन का आधार है। किसी क्षेत्र में कितने पेड़ हैं, उनकी कौन-कौन सी प्रजातियां मौजूद हैं और उनका विकास किस गति से हो रहा है, इसकी सटीक जानकारी पर्यावरण संरक्षण की दिशा तय करती है। अब यही काम कृत्रिम बुद्धिमत्ता (एआई) और मशीन लर्निंग जैसी आधुनिक तकनीकें पहले से कहीं अधिक तेजी और सटीकता से कर सकेंगी। खास बात यह है कि इस दिशा में नागपुर के सीएसआईआर-नीरी ने देश को एक नई तकनीकी राह दिखाई है। संस्थान ने पेड़ों की स्वचालित गणना, प्रजातियों की पहचान और उनकी ऊंचाई का अनुमान लगाने वाला अभिनव मॉडल तैयार किया है। इस मॉडल को हाल ही प्रस्तुत कर राष्ट्रीय स्तर पर पहला पुरस्कार प्राप्त किया है

70 प्रस्तावों के बीच नीरी का आइडिया बना अव्वल सीएसआईआर-राष्ट्रीय पर्यावरण अभियांत्रिकी अनुसंधान संस्थान (सीएसआईआर-नीरी) नागपुर को राष्ट्रीय एआई-एमएल हैकाथॉन ऑन आरएंडडी-2026 में प्रॉब्लम स्टेटमेंट-2 के अंतर्गत प्रथम पुरस्कार से सम्मानित किया गया है। यह उपलब्धि इसलिए भी महत्वपूर्ण है...

Read More: Dainik Bhaskar

DC Pulwama visits CSIR-IIIM Field Station Bonera

CSIR-IIIM 07th November, 2026

Deputy Commissioner (DC) Pulwama, Kuldeep Krishan Sidha, Friday visited the CSIR-Indian Institute of Integrative Medicine, Field Station at Bonera, Pulwama, to take stock of its research initiatives, technological interventions and contribution towards agricultural diversification, scientific innovation and farmers' livelihood enhancement.

The Deputy Commissioner was accompanied by Dr. Shahid Rasool, Principal Scientist and Scientist In-charge, CSIR-IIIM Field Station Bonera, who gave a detailed briefing on the various research activities, ongoing projects and achievements of the institution. Dr Shahid informed that research endevours pursued at the Field Station are in conformity with agrarian landscape of the region and the challenges faced by the farming community in light of depleting natural resources, climate change and weather extremes and post harvest risks.

During the visit, the DC took a detailed overview of the station's work in development of crop models and agro-technologies of medicinal and aromatic crops, saffron, floriculture, apiculture, essential oil extraction and advanced processing techniques for value addition…

Read More: The Kashmir Horizon

Kashmir eyes off-season marigold market

CSIR-IIIM

08th November, 2026

Kashmir could be on the threshold of a new floriculture opportunity, with scientists exploring the region's potential to emerge as a major supplier of marigold flowers during periods when their availability is limited in other parts of the country.

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, is examining the feasibility of introducing and expanding seasonal marigold cultivation in Kashmir. The initiative aims to identify varieties suited to the Valley's climatic conditions, promote scientific farming practices and connect local growers with markets within Jammu and Kashmir as well as outside the Union Territory.

The idea holds considerable promise for an agricultural economy that has traditionally depended on apple cultivation, saffron, paddy and other conventional crops. By adding commercial floriculture to the farming basket, Kashmir could create another source of income for rural households while making better use of its diverse agro-climatic conditions…

Read More: Brighter Kashmir

India's First Cannabis Medicine Project At CSIR-IIIM Jammu, Trials At TMC Mumbai: Dr Jitendra

CSIR-IIIM

09th November, 2026



Union Minister of State (Independent Charge) for Science and Technology and Earth Sciences, Minister of State in the Prime Minister's Office, Department of Atomic Energy, Department of Space, and Personnel, Public Grievances and Pensions, Dr Jitendra Singh, today reviewed the progress of the Cannabis Medicinal Research Project at CSIR-Indian Institute of Integrative Medicine (IIIM), Jammu, with a particular focus on its potential medical applications.

Cannabis is sought to be developed as export quality painkillers, sending out a message that a substance infamous for drug addiction, could also bring relief to mankind, said Dr Jitendra Singh…

Read More: Daily Excelsior

CSIR-CCMB team identifies potential new targets to fight Tuberculosis

CSIR-CCMB

10th November, 2026



A team of scientists at the CSIR-Centre for Cellular and Molecular Biology (CCMB) has identified critical weaknesses in the bacterium that causes Tuberculosis (TB), a finding that could pave the way for the development of new treatments against one of the world's deadliest infectious diseases. The discovery is particularly significant for India, which accounts for nearly a quarter of global TB cases and about a third of drug-resistant infections, according to the World Health Organisation's Global TB Report 2025. Drug-resistant TB remains a major public health challenge, as treatment requires a combination of antibiotics taken over several months and is becoming increasingly difficult due to the emergence of resistant strains…

Read More: The Hindu

Why do your phones and laptops show the same time? The answer ticks in a Delhi lab

CSIR-NPL

11th November, 2026

Time makes no sound. It leaves no footprints and asks for no attention. Yet every morning, more than a billion screens across India wake up and agree on it, to the very second.

Your phone says 12:35 pm. So does your laptop, the departure board at the railway station, the bank's server and a friend's phone in another city. No hand set them. No one compared them. And still, they never disagree.

That quiet harmony begins in a cool, hushed room in New Delhi. There, atomic clocks stand in rows like sentinels, counting the trembling of atoms billions of times every second, and keeping a nation in step.

WHY DO ALL PHONES SHOW THE SAME TIME?

Every phone and laptop compares its clock with a more reliable clock elsewhere, and corrects itself automatically. Those reliable clocks, in turn, trace their time back to atomic clocks. In India, the keeper of official time is the CSIR National Physical Laboratory (NPL) in New Delhi. Indian Standard Time (IST) is simply world time, called Coordinated Universal Time (UTC), plus five hours and 30 minutes. NPL generates India's version of it…

Read More: India Today

India and Norway Explore Joint Technologies to Turn Industrial Waste into Resources for Sustainable Construction

CSIR-CBRI

11th November, 2026

The Council of Scientific and Industrial Research (CSIR), India, together with SINTEF and Research Council of Norway organized the India–Norway Dialogue on "Waste to Resource Solutions in the Cement and Construction Sector" on 10 November 2026 at India Habitat Centre, New Delhi, bringing together representatives from CSIR Institutes, SINTEF, regulatory authorities and the cement and construction industries to explore collaborative approaches for sustainable waste management and resource recovery. The Dialogue was timely and inline with the vision set forth by the Hon'ble Prime Minister of India, Shri Narendra Modi and Hon'ble Prime Minister of Norway, Mr. Jonas Gahr Støre during the formers visit to Norway in May, where-in the India-Norway relationship was elevated to a Green Strategic Partnership, with circular economy, clean technology and research at its heart. The dialogue commenced with a welcome address by Prof. S. K. Singh, CSIR-CBRI, who welcomed the dignitaries and distinguished participants.

The inaugural session was addressed by Dr. Rama Swami Bansal, Head, ISTAD, CSIR Headquarters; Dr. Arvinn Gadgil, Royal Norwegian Embassy, New Delhi; Dr. Kåre Helge Karstensen, Chief Scientist, SINTEF, Norway; and Prof. R. Pradeep Kumar, Director, CSIR-CBRI, among other dignitaries…

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Scientists grow off-season marigolds in Kashmir

CSIR-IIIM

11th November, 2026

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, is researching the cultivation of marigold and other high-value ornamental crops suited to Kashmir's agro-climatic conditions. Over the past four years, scientists at the institute's Bonera field station have evaluated several temperate flowers, including tulips, chrysanthemums, lilies, gladiolus and marigolds, to identify suitable varieties and improve cultivation practices.

Marigold is receiving particular attention because of its demand during religious festivals, weddings, social functions and other decorative purposes. According to CSIR-IIIM, the annual economic value of marigold flowers used in Jammu and Kashmir is estimated at around ₹25 crore. Demand for the flowers increases during festive occasions, particularly Diwali, the Hindu festival of lights, when marigold garlands and flowers are widely used for decorations.

Scientists believe Kashmir's relatively cooler climate could offer an opportunity to cultivate marigold during periods when high temperatures affect production in other parts of the country….

Read More: Awaz The Voice

CSIR-SERC celebrates the 85th Foundation Day of Council of Scientific and Industrial Research (CSIR)

CSIR-SERC

12th November, 2026

The 85th Foundation Day of the Council of Scientific and Industrial Research (CSIR), the Valedictory Function of Vigilance Awareness Week and Ayurveda Day Celebrations were held on 12 November 2026 at the CSIR Campus, in Chennai. The celebrations were jointly organised by CSIR-Structural Engineering Research Centre (CSIR-SERC) and CSIR Madras Complex (CMC).



The function was presided over by Dr. N. Anandavalli, Director, CSIR-SERC and Coordinating Director, CMC. In her welcome address, Dr. N. Anandavalli spoke about the genesis, history, legacy and transformation of CSIR over its eight decades of existence. She highlighted CSIR's position at the forefront of innovation and technology and its pivotal role in nation-building since its establishment on 26 September 1942. She also highlighted the major research focus areas and significant contributions of CSIR-SERC and the laboratories under CSIR Madras Complex…

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CSIR-IICT Holds Career Guidance Programme For Tribal Students

CSIR-IICT

12th November, 2026



The CSIR-Indian Institute of Chemical Technology (CSIR-IICT) here organised a career guidance and scientific awareness programme for tribal students at Bhadrachalam as part of the Janjatiya Gaurav Diwas 2026 observance. In collaboration with the Integrated Tribal Development Agency (ITDA), Bhadrachalam, the programme introduced Intermediate and degree students, particularly those from remote areas, to opportunities in science, technology and research.

The programme was supported by ITDA project director B. Rahul, assistant project director David Raj, RCO Aruna Kumari, and headmasters and wardens of ITDA schools. A team of CSIR-IICT scientists and officials visited the ITDA campus and interacted with students, explaining the institute's multidisciplinary research activities, scientific achievements and career opportunities in research and higher education…

Read More: Deccan Chronicle

CSIR-NML technology to turn discarded batteries into valuable metals

CSIR-NML 12th November, 2026

CSIR-National Metallurgical Laboratory (NML) transferred its indigenous lithium-ion battery recycling technology to Bengaluru-based CircuOre Pvt. Ltd. on November 12, 2026. The formal agreement enables the commercial recovery of valuable metals from discarded batteries across the country. CSIR-NML researchers developed this closed-loop hydrometallurgical process to extract lithium, cobalt, manganese, nickel, graphite, and plastics from battery waste.



This innovative method recovers materials as pure metals and salts, effectively reducing electronic waste while conserving vital natural resources…

Read More: Avenue Mail

CSIR-IICT Celebrates Janjatiya Gaurav Diwas 2026 with environmental and educational outreach initiatives

CSIR-IICT

12th November, 2026

In an outreach initiative to mark Janjatiya Gaurav Diwas 2026, commemorating the birth anniversary of tribal freedom fighter Birsa Munda, the city-based Indian Institute of Chemical Technology (CSIR-IICT) collaborated with the Integrated Tribal Development Agency (ITDA), Bhadrachalam, to organise a career guidance and scientific awareness programme for students from remote tribal areas.



IICT scientists, including Dr Linga Banoth, Dr Surender Singh Jadav, Dr Aaradhana Priyadarshini, Dr C Chandra Sekhar and P Ravinder Reddy, visited the ITDA campus and interacted with intermediate and degree students. They highlighted the institute's multidisciplinary research achievements and the diverse academic and career pathways available in science and technology…

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New genetic clues could lead to early detection and new treatments for severe dengue infection

CSIR-IGIB

13th November, 2026

New study shows how a molecular chain reaction inside human blood explains why a routine mosquito-borne infection can rapidly turn life-threatening. By analysing the genetic activity of dengue patients at the earliest stages of illness, researchers from the CSIR-Institute of Genomics and Integrative Biology, Ashoka University, the Academy of Scientific and Innovative Research (AcSIR), and Max Super Speciality Hospital in New Delhi found that the most severe cases occur because the initial antiviral defences of the body's immune system are suppressed. This early immune silence allows the virus to flourish unchecked, triggering a dangerous cascade that destroys blood platelets and causes vital blood vessels to leak.

Dengue virus infects an estimated 390 million people worldwide each year, with India alone carrying roughly one-third of the global burden. Transmitted by the Aedes aegypti mosquito, the infection often leads to sudden fever, severe headaches, and muscle pain. For most, the illness resolves within a week. However, a vulnerable fraction of patients suddenly deteriorate, experiencing plummeting platelet counts and plasma leaking out of their circulatory system into surrounding body cavities. Because this collapse can happen without clear warning, identifying which patients will develop severe complications has been one of the challenges facing doctors in tropical emergency rooms…

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Hyderabad Food Waste Plant Powers Indiramma Canteen With Biogas

CSIR-IICT 13th November, 2026

A new biogas plant at the Malkajgiri Municipal Corporation headquarters in Hyderabad is converting food waste from nearby hotels into cooking gas for the Indiramma canteen, while producing liquid fertiliser for municipal landscaping.

The facility can process 125 kg of food waste every day. The gas generated is being supplied to the canteen, which is operated by women's self-help groups on the corporation premises. The project gives discarded food a productive use within the municipal system instead of sending it for conventional disposal.

Malkajgiri Municipal Corporation Commissioner T. Vinay Krishna Reddy and CSIR-IICT director Srinivas Reddy inaugurated the facility on Thursday. The plant was established in collaboration with KHAR Energy Optimizers and uses AGR technology developed and patented by the Council of Scientific and Industrial Research–Indian Institute of Chemical Technology…

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CLI-Mate – A Carbon Footprint Assessment Digital Platform

CSIR-CLRI

13th November, 2026



CSIR-CLRI has developed a sector-specific digital platform titled "CLI-MATE: A Unified Digital Platform for Carbon Footprint Assessment for the Leather Industry and Waste Treatment Systems." CLI-MATE is an Indian software product registered under copyright (Registration No. SW-2026022394). The tool has been developed to support leather processing industries in assessing the carbon footprint associated with various unit processes involved in leather manufacturing and related waste treatment operations.

In the present context, leather manufacturing units are increasingly required to demonstrate their commitment to sustainable production, reduced greenhouse gas emissions, resource efficiency and climate-responsive manufacturing. CLI-MATE has been designed to assist tanneries in this endeavour by enabling process-wise carbon footprint assessments across various leather manufacturing operations…

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CSIR-IIIM Jammu celebrates Janjatiya Gaurav Diwas, organises special programme for tribal students

CSIR-IIIM

13th November, 2026

CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, celebrated Janjatiya Gaurav Diwas 2026 with a special programme highlighting the rich heritage, traditional knowledge and contributions of tribal communities.



The programme also aimed at familiarising young students with scientific research, innovation and entrepreneurship.

Addressing the gathering, Dr. Zabeer Ahmed, Director, CSIR-IIIM Jammu and CSIR-NBRI Lucknow, welcomed the participants and appreciated the efforts of the organising team. Emphasising the importance of equal opportunities for children from remote, marginalised and underserved communities, he said that every child has the potential to achieve great things when provided with the right guidance, encouragement and exposure…

Read More: Daily Excelsior

India's rocks could hold 400–500 billion tonnes of CO_2, a review finds

CSIR-CIMFR

14th November, 2026

As global warming increases, capturing carbon dioxide and storing it underground is one way to cut emissions. CO_2 injection into rocks can help store the greenhouse gas for the long term. A newly published review by researchers from IIT (ISM) Dhanbad and CSIR–Central Institute of Mining and Fuel Research, Dhanbad, has estimated India's geological CO_2 storage potential. They reviewed 1138 publications from 2020 to 2025 covering saline aquifers, basalt, depleted oil and gas reservoirs, and coal seams.

India has about 3.4 million km^2 of sedimentary basins. National assessments put geological CO_2 storage potential at roughly 400–500 gigatonnes of CO_2. Considering the rock formations, 300–400 Gt comes from deep saline aquifers, 200–400 Gt from basalt (the Deccan Traps), 5–10 Gt from depleted oil and gas reservoirs, and about 5 Gt from unmineable coal seams. The authors caution that these come from independent studies with different datasets and cannot be directly comparable. According to the authors, practical capacity at a single site rarely exceeds 100 million tons owing to the air pressure around the reservoir and the limits of injectivity. They also describe deep saline aquifers as the most viable long-term option for geological CO_2 storage and basalt as an additional one, through mineral carbonation…

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CSIR-CFTRI initiative aims to standardise micronutrient testing in fortified rice

CSIR-CFTRI 14th November, 2026

A one-day national colloquium on "Harmonization of Micronutrient Testing and Laboratory Quality Assurance for Food Fortification (NutriQA–2026)" was organised at CSIR-Central Food Technological Research Institute (CSIR-CFTRI), Mysuru, on Friday (November 13, 2026). The colloquium brought together eminent technical experts, representatives from Technical Support Units (TSUs), National Food Laboratories (NFLs), private testing laboratories, scientists and laboratory professionals to deliberate on strengthening analytical capabilities and harmonizing laboratory practices for food fortification.

Dr. Giridhar Parvatam, Director, CSIR-CFTRI; Prof. Jatindra Kumar Sahu, IIT Delhi; and Dr. S. Nagarajan, Head, Food Safety and Analytical Quality Control Laboratory (FSAQCL), CSIR-CFTRI were present. In his address, Dr. Giridhar Parvatam highlighted the importance of strengthening analytical quality control and quality assurance systems to ensure the reliability of micronutrient testing in fortified foods. He emphasised the need for harmonised analytical methods, standardised laboratory protocols, competency-based training and collaborative efforts among laboratories to minimise inter-laboratory variations and generate accurate and reproducible results…

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CSIR-IIIM Launches ‘Kathua to Kargil’ Roadshow to Promote Youth Entrepreneurship Across J&K and Ladakh

CSIR-IIIM

14th November, 2026



In a major initiative to promote youth entrepreneurship and innovation, the Centre of Excellence (CoE), Industrial Biotech Park (IBTP), Kathua, under the aegis of CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, has launched a two-week-long outreach programme titled ‘Entrepreneurship Connect: Kathua to Kargil’. The roadshow, financially supported by the Jammu and Kashmir Science and Technology Department, aims to connect students, young innovators and aspiring entrepreneurs with opportunities in science and technology-based start-ups.

The initiative will cover 12 locations across Jammu and Kashmir and Ladakh, beginning from Kathua and passing through Hiranagar, Samba, Vijaypur, Jammu, Katra, Reasi, Udhampur, Ramban, Srinagar, Drass and Kargil…

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