सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

News Bulletin
01 To 15 April 2026

CSIR in Media

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

पराली से बनेगी सड़क: CSIR की बायो-बिटुमेन तकनीक से दोहरा फायदा; किसानों को दाम, सड़कों को दम

CSIR-CRRI 30th March, 2026

CSIR Bio-Bitumen Technology: खेतों में बचा फसल अवशेष अब सड़कों के निर्माण में काम आएगा। वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद (CSIR) ने ' लिग्नोसेलुलोसिक बायोमास से बायो-बिटुमेन-फार्म रेजिड्यू टू रोड्स' (Bio-Bitumen from Lignocellulosic Biomass – From Farm Residue to Roads) तकनीक का उद्योगों को औपचारिक हस्तांतरण किया। यह तकनीक सीएसआईआर-केंद्रीय सड़क अनुसंधान संस्थान (सीआरआरआई) और सीएसआईआर- भारतीय पेट्रोलियम संस्थान ने संयुक्त रूप से विकसित की है। तकनीक को उद्योग को सोंपने पर आयोजित कार्यक्रम में केंद्रीय कृषि एवं किसान कल्याण तथा ग्रामीण विकास मंत्री शिवराज सिंह चौहान, विज्ञान एवं प्रौद्योगिकी व पृथ्वी विज्ञान राज्य मंत्री (स्वतंत्र प्रभार) डॉ. जितेंद्र सिंह, सीएसआईआर की महानिदेशक एन. कलैसेल्वी समेत मंत्रालयों, वैज्ञानिकों, उद्योग और किसानों के प्रतिनिधि मौजूद रहे।

पराली की समस्या में आएगी कमी

केंद्रीय कृषि मंत्री शिवराज सिंह चौहान ने बायो-बिटुमेन तकनीक को "ऐतिहासिक और परिवर्तनकारी कदम" बताया, जो कृषि, अवसंरचना और नवाचार को जोड़ता है। उन्होंने कहा कि बायो-बिटुमेन का उपयोग भारत की जलवायु प्रतिबद्धताओं, नेट-जीरो लक्ष्यों, आत्मनिर्भर भारत, राष्ट्रीय बायो-ऊर्जा मिशन और सर्कुलर इकोनॉमी की दिशा में मजबूत कदम है। खेतों के अवशेष का उच्च-मूल्य अवसंरचना में उपयोग किसानों की अतिरिक्त आय का स्रोत...

Read More: Business Standard

From Lab To Reality: Why Carbon Capture Struggles To Scale In India

CSIR-NCL 30th March, 2026

At the Boring Climate Conference 2026 in Bengaluru, industry leaders and researchers stressed the urgent need for a clear framework and roadmap for India's Carbon Capture, Utilisation, and Storage (CCUS) ecosystem. While the government has allocated Rs 20,000 crores in the Union budget to advance CCUS technologies, experts pointed out that there is still little clarity on how these funds will be used, whether for research, pilot projects, infrastructure, or incentives.

Ashish Lele, Director of CSIR-National Chemical Laboratory and Chair of the CCUS R&D Roadmap Task Force, highlighted that CO_2 conversion technologies face scale mismatches and remain economically unviable, though advances in catalyst development could be transformative. Adoption remains the biggest challenge, as many promising technologies are stuck at the pilot stage with limited long-term data. India's sequential approach of moving from lab to pilot to commercial deployment is slowing progress compared to global companies that are scaling faster using data-driven models. Lele emphasised the importance of building shared industrial-scaletest beds and CCUS facilities to help innovators move quickly from lab to pilot. This would accelerate adoption across sectors…

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CSIR–National Institute of Science Communication and Policy Research (NIScPR) signed an MoU with Science City of Andhra Pradesh to Strengthen Science Communication and STI Policy Research

CSIR-NIScPR 30th March, 2026

The CSIR–National Institute of Science Communication and Policy Research has entered a Memorandum of Understanding (MoU) with the Science City of Andhra Pradesh (SCAP) to strengthen science communication and promote collaborative research in Science, Technology, and Innovation (STI) policy. This collaboration aims to advance evidence-based policymaking, enhance public understanding of science through science communication initiatives, and foster a robust scientific ecosystem through joint initiatives in research, training, and outreach.

The MoU was signed by Dr. Geetha Vani Rayasam, Director, CSIR-NIScPR and Sri Venkateswarlu Kesineni, CEO, Science City of Andhra Pradesh (SCAP), in the presence of Sri M.T. Krishna Babu, Special Chief Secretary to Government of Andhra Pradesh and senior officials from both institutions. From NIScPR side, Dr. Yogesh Suman, Chief Scientist; and Dr. N.K. Prasanna, Principal Scientist, will be nodal officers for taking forward the initiatives envisaged in the MoU…

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CSIR-CRRI Survey Identifies Six High-Traffic Junctions for Priority Flyovers in Ahmedabad

ix of the city's most congested junctions, one on the western side and five on the eastern side, have been identified for priority flyover construction following a traffic study by the Central Road Research Institute (CRRI-CSIR), which assessed 25 major intersections, the news report said.

Memco Junction emerged as the most congested, followed by Victoria Garden (Ellisbridge) and Shyamal Junction (Satellite). The other priority locations include Indira Bridge/Airport Road T-Junction, Delhi Darwaza, and Bhakti Circle on SP Ring Road in Ramol-Hathijan.

As per the news report, the Amdavad Municipal Corporation (AMC) plans to begin flyover construction at these six sites as part of a long-term plan to decongest all 25 surveyed junctions over the next decade. The CRRI-CSIR study, commissioned in January 2025 at a cost of Rs 64.9 lakh, was based on inputs from the city traffic police…

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देश में डिजिटल हेल्थ इंफ्रास्ट्रक्चर को मजबूत करने की दिशा में महत्वपूर्ण हैं मेडिसिंक जैसी तकनीकें : डॉ पी सी पंचारिया

CSIR-CEERI

02nd April, 2026

सीएसआईआर – केंद्रीय इलेक्ट्रॉनिकी अभियांत्रिकी अनुसंधान संस्थान (सीएसआईआर-सीरी), पिलानी ने स्वास्थ्य-प्रौद्योगिकी के क्षेत्र में एक महत्वपूर्ण उपलब्धि हासिल करते हुए रोगी की स्मार्ट मॉनीटरिंग के लिए विकसित आईओटी आधारित प्लैटफॉर्म "मेडिसिंक" का तकनीकी हस्तांतरण किया। यह प्रौद्योगिकी हस्तांतरण मेसर्स वर्टेक्स मेडिटेक को 1 अप्रैल 2026 को सफलतापूर्वक किया गया। तकनीकी हस्तांतरण संबंधी दस्तावेजों के आदान-प्रदान कार्यक्रम में वर्टेक्स मेडिटेक की ओर से

संदीप मुद्गल एवं विवेक यादव तथा सीएसआईआर-सीरी की ओर से डॉ नीरज कुमार सहित टीबीडी टीम के सदस्य उपस्थित रहे...

Read More: AbhiTak News

Decades of satellite data shows expanding deserts in Anantapur

CSIR-NGRI 03rd April, 2026

A new study has identified approximately 192 square kilometres of severe land degradation and desertification in the Anantapur district of Andhra Pradesh. By analysing thirty years of satellite imagery from 1990 to 2020, a team of researchers from CSIR-National Geophysical Research Institute, Yogi Vemana University, and Government College (Autonomous), Anantapur, mapped how migrating wind-blown sand and human activities are slowly turning once-productive agricultural lands into desert hotspots. The findings provide a crucial early warning system for a region already battling erratic rainfall and recurrent droughts.

Anantapur district is particularly vulnerable to climate extremes as it sits in the rain shadow of the Western Ghats, a region where the rain-bearing clouds are interrupted by the towering landmass of the Ghats. This new mapping effort tries to explain where the landscape is breaking down and why it is happening. To map the environmental decline, the scientists turned to orbital satellites…

Read More: Research Matters

Designer rice can re-engineer India's metabolic future

CSIR-NIIST 03rd April, 2026

White rice isn't healthy. I hope you know it. But, what you don't know is that the scientists at the Council of Scientific and Industrial Research (CSIR-NIIST), Thiruvananthapuram, have come up with this new designer rice that will help tackle the two most important epidemics of our nation: malnutrition and diabetes.

Positioned by the leadership of the CSIR-NIIST and Dr C Anandharamakrishnan as the cornerstone of 'Green Revolution 2.0,' this innovation represents a strategic pivot in India's agricultural history. While the first Green Revolution was a race for caloric volume to prevent famine, this 2.0 version is a race for nutritional density to prevent a metabolic collapse.

To achieve this, the scientists utilised 'precision extrusion technology', a sophisticated thermo-mechanical process similar to advanced 3D-printing for food. In this process, low-value 'broken rice' is ground into flour and precision-blended with plant-based protein isolates and essential micronutrients…

Read More: The Dossier

Union Minister launches BIRAC-BioNEST Incubation Centre at CSIR-CFTRI

CSIR-CFTRI 03rd April, 2026

CSIR-CFTRI's Incubation Ecosystem in Mysuru nurtures many food start-ups and entrepreneurs. Significantly, the incubated companies have filed 12 patents so far.

On Friday, the BIRAC-BioNEST Incubation Centre was launched on the CFTRI campus by Union Minister of State (Independent Charge) for Science and Technology Jitendra Singh. He interacted with the representatives of start-ups and also witnessed food innovations implemented with CFTRI's support…

Read More: The Hindu

Minister asks CSIR-CFTRI to 'reach Gen Z', boost digital outreach of food innovation

CSIR-CFTRI 03rd April, 2026

Union Minister of State of Science and Technology, Earth Sciences and Vice President of CSIR Dr Jitendra Singh called on the officials and scientists of CSIR-CFTRI to further step out from the confines of the lab to reach more dining tables.

He urged them to enhance their outreach by using digital platform, social media to reach out their technologies to more people, especially Gen Z. He was speaking during the culmination ceremony of platinum jubilee celebrations…

Read More: Deccan Herald

From Mallige to Rasabale: CSIR-CFTRI celebrates Mysuru's heritage with GI-tagged product showcase

CSIR-CFTRI 04th April, 2026

As a tribute to the rich agricultural and cultural legacy of the Mysuru region, three Geographical Indication (GI)-tagged products were presented to Union Minister Jitendra Singh and other dignitaries during the valedictory of the platinum jubilee celebrations of the CSIR-Central Food Technological Research Institute (CFTRI) here on Friday.

The guests were welcomed with a bouquet of Mysuru Jasmine (mallige), renowned for its exquisite fragrance and uniqueness. This was followed by the presentation of Nanjangud Rasabale (banana) and Mysuru Veledele (betel leaf)…

Read More: The Hindu

CSIR designs low glycemic index flour which manages blood sugar levels

CSIR-CFTRI 04th April, 2026

Union minister Jitendra Singh on Saturday launched a low glycemic index (GI) flour which manages blood sugar levels, thus offering a healthier alternative for diabetics and health-conscious consumers.

The product 'bb Royal Slow Sugar Release Atta' has been developed by CSIR-CFTRI, Mysuru, and is available through BigBasket.

The 'atta' (flour) blends wheat, soya, buckwheat, Bengal dal, psyllium husk, oats, and fenugreek in a carefully calibrated recipe. Clinical tests have confirmed an in vivo GI of less than 45, significantly lower than conventional wheat flour.

This unique formulation helps maintain steady blood sugar levels, reducing spikes after meals, while promoting longer-lasting satiety and sustained energy…

Read More: The Tribune

मैसूरु: डॉ जितेंद्र सिंह ने CSIR-CFTRI में लॉन्च किया बायोनेस्ट इनक्यूबेशन सेंटर, खाद्य स्टार्टअप भरेंगे उड़ान

CSIR-CFTRI

04th April, 2026

केंद्रीय मंत्री डॉ जीतेंद्र सिंह (Dr Jitendra Singh) ने मैसूरु स्थित CSIR-Central Food Technological Research Institute (CSIR-CFTRI) में BIRAC-BioNEST इनक्यूबेशन सेंटर का उद्घाटन किया और स्टार्टअप-आधारित प्रौद्योगिकियों की प्रदर्शनी का अवलोकन किया। इससे संस्थान का इनक्यूबेशन तंत्र प्रयोगशाला अनुसंधान को वाणिज्यिक उपयोग से जोड़ने का प्रमुख मंच बनकर उभरा है।

26 स्टार्टअप को सहयोग, 12 पेटेंट दाखिल

यह अत्याधुनिक केंद्र समर्पित इनक्यूबेशन स्पेस और साझा बुनियादी ढांचे से लैस है। इससे खाद्य स्टार्टअप को बढ़ावा मिलेगा, उन्नत अनुसंधान को समर्थन मिलेगा और खाद्य जैव-प्रसंस्करण व जैव प्रौद्योगिकी में सत्यापन तथा नियामकीय सहायता मजबूत होगी। मार्च 2026 तक इस केंद्र ने 26 स्टार्टअप्स को सहयोग दिया है, जिनमें कई पहले ही अपने उत्पाद बाजार में उतार चुके हैं। इन कंपनियों ने मिलकर 12 पेटेंट दाखिल किए हैं और शोध प्रकाशनों में योगदान दिया है…

Read More: MSN

Study Flags Rising Groundwater Risks In Musi Basin

CSIR-NGRI 05th April, 2026

A recent study covering more than 25 years of data by National Geophysical Research Institute (NGRI), Hyderabad, Academy of Scientific and Innovative Research, Ghaziabad, and the JNTU-Hyderaba's department of civil engineering, has raised concerns over increasing groundwater vulnerability in parts of the Musi river basin, highlighting the growing risk of pollution in several sub-basins due to hydrogeological and human factors. While most sub-basins recorded some recovery in groundwater levels over the past decade, areas like Hussain Sagar witnessed a decline, indicating stress on aquifers.

This was published in the 'Current Science' journal and researched by S. Chandrapuri, N.C. Mondal and M.V.S.S. Giridhar. The research used analysed rainfall, groundwater levels, and water quality indicators between 2007 and 2023. The findings reveal that sub-basins such as Paleru, Muchkunda, Shamirpet, and Ibrahimpatnam are particularly vulnerable to groundwater contamination…

Read More: Deccan Chronicle

Jamshedpur CSIR-NML Develops 22-Carat Spherical Gold Powder for 3-D Printing

CSIR-NML 05th April, 2026

In a major leap for indigenous technology, the CSIR-National Metallurgical Laboratory (NML) in Jamshedpur has successfully developed 22-carat spherical gold powder for the first time in India. This specialized powder will revolutionize additive manufacturing (3D printing) in the jewellery and high-tech sectors.

A Breakthrough in Additive Manufacturing

Dr. K. Gopala, a senior scientist at CSIR-NML, shared this achievement during a seminar organized by the Institution of Engineers (India), Jamshedpur Local Center, at the SNTI Auditorium in Bistupur. He explained that the success of 3D printing depends entirely on the quality of the raw material—the metal powder…

Read More: The Avenue Mail

Protein Rich Rice: क्या चावल खाने से डरते हैं? CSIR की नई खोज से बदलेगी आपकी थाली, आयरन-विटामिन की नहीं होगी कमी

Benefits Of Protein And Micronutrient Rich Rice:

सफेद पॉलिश्ड चावल, जो लगभग हर भारतीय घर की थाली का हिस्सा है, अब हेल्थ के लिहाज से एक नया रूप लेने जा रहा है. साइंटिस्ट ने ऐसा डिजाइनर राइस तैयार किया है, जो न केवल ज्यादा प्रोटीन और जरूरी सूक्ष्म पोषक तत्वों से भरपूर है, बल्कि इसका ग्लाइसेमिक इंडेक्स भी कम है. यानी यह सामान्य चावल की तुलना में ब्लड शुगर को धीरे बढ़ाएगा, जो डायबिटीज के मरीजों और वजन कंट्रोल रखने वालों के लिए फायदेमंद हो सकता है.

बीमारियों को कम करने की दिशा में कदम

यह खास चावल काउंसिल ऑफ साइंटिफिक एंड इंडस्ट्रियल रिसर्च के तहत काम करने वाले नेशनल इंस्टीट्यूट फॉर इंटरडिसिप्लिनरी साइंस एंड टेक्नोलॉजी ने विकसित किया है. संस्थान के मुताबिक, इस चावल में आयरन, फोलिक एसिड और विटामिन B12 जैसे जरूरी पोषक तत्व भी मिलाए गए हैं. भारत में एनीमिया और विटामिन की कमी एक बड़ी सार्वजनिक स्वास्थ्य समस्या है, ऐसे में यह पहल पोषण सुरक्षा की दिशा में अहम कदम मानी जा रही है....

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सीवर में छिपा खतरा: बेअसर होती एंटीबायोटिक्स और भारत में उभरता 'साइलेंट हेल्थ क्राइसिस'

CSIR-CCMB 06th April, 2026

India Health Crisis: कोविड-19 महामारी के दौरान जिस 'वेस्टवॉटर सर्विलांस' (Wastewater Surveillance) तकनीक ने समय रहते संक्रमण की चेतावनी दी थी, वही तकनीक अब एक नए और कहीं अधिक खतरनाक स्वास्थ्य संकट की ओर इशारा कर रही है। भारत के वैज्ञानिकों को शहरी सीवेज में ऐसे जीन की मौजूदगी के संकेत मिले हैं, जो आने वाले समय में एंटीबायोटिक्स को बेअसर बना सकते हैं और यही खतरा अब एक 'साइलेंट हेल्थ क्राइसिस' के रूप में सामने आ रहा है।

सीसीएमबी की रिसर्च ने बढ़ाई चिंता

'सीएसआईआर–सेंटर फॉर सेलुलर एंड मॉलिक्यूलर बायोलॉजी' (CSIR-CCMB) के वैज्ञानिकों द्वारा किए गए अध्ययन में शहरी अपशिष्ट जल में एंटीबायोटिक-प्रतिरोधी जीन (Antimicrobial Resistance – AMR) की मौजूदगी पाई गई है।

यह संकेत देता है कि बैक्टीरिया तेजी से ऐसी क्षमता विकसित कर रहे हैं, जिससे वे दवाओं के असर से बच सकें। यानी जो एंटीबायोटिक्स आज तक प्रभावी थीं,थीं वे भविष्य में बेअसर हो सकती हैं। कोरोना के बाद यह एक ऐसा उभरता संकट है, जो धीरे-धीरे लेकिन गहराई से पूरे स्वास्थ्य तंत्र को प्रभावित कर सकता है…

Read More: News Track

Research, applied sciences key to sustainable solutions: CSIR chief

CSIR 06th April, 2026

Research and applied sciences will be central to developing sustainable solutions for India's energy security, green chemistry and broader environmental challenges, CSIR Director General Dr. N Kalaiselvi said on Monday.

Addressing the inaugural session of an international conference on Sustainability Through Fundamental and Applied Sciences (STFAS), 2026, at Delhi University's Hindu College, she stressed that scientific innovation must move beyond theory to deliver scalable, real-world applications.

The Council of Scientific and Industrial Research (CSIR) director also urged students to actively pursue research and entrepreneurship, saying the next generation of scientists and innovators would play a key role in shaping sustainable …

Read More: PTI News

Hyderabad researchers find high antimicrobial resistance in eye pathogens

CSIR-CCMB 07th April, 2026

Researchers from Hyderabad-based Centre for Cellular and Molecular Biology (CCMB) and the LV Prasad Eye Institute (LVPEI) in a collaborative study uncovered alarming levels of antimicrobial resistance (AMR) in bacteria causing eye infections.

The study, published in Communications Biology, represents one of the most comprehensive genomic analyses of eye pathogens from India to date. The CCMB researchers led the genomic and bioinformatics analyses, and LVPEI researchers contributed clinical expertise, patient samples, and microbiological characterisation.

The team isolated bacteria from the patient samples and tested them with known antibiotics and found more than 45 per cent of isolates were multidrug-resistant, and included both Gram-positive and Gram-negative bacterial pathogens…

Read More: Telangana Today

Dung test to detect early pregnancy in tigresses expanded to cattle

CSIR-CCMB 07th April, 2026

What began as an effort to prevent tigresses in captivity from killing their own cubs has turned into an unexpected boon for Indian farmers. Scientists at the CSIR–Centre for Cellular and Molecular Biology (CCMB) in Hyderabad have developed a simple, non-invasive test — based on animal dung analysis — that can detect pregnancy in cows and buffaloes as early as six to eight weeks after conception.

The test is based on a novel biomarker identified in animal faeces, which researchers translated into a lateralflow device capable of early pregnancy detection, said CCMB chief scientist and in-charge of the Laboratory for the Conservation of Endangered Species (LaCONES) G. Umapathy…

Read More: The Hindu

NDMA, CSIR-NEERI experts begin probe into Vetlapalem blast in Kakinada district

CSIR-NEERI 07th April, 2026

A two-member expert team comprising Vinod Kumar of the National Disaster Management Authority (NDMA) and Hemanth Bharvani of the National Environmental Engineering Research Institute (NEERI-Hyderabad) is investigating the firecracker blast at a manufacturing unit at Vetlapalem in Kakinada district, in which 28 people died on February 28…

Read More: The Hindu

Leading Scientists Converge at Hindu College for STFAS 2026

CSIR 07th April, 2026

Hindu College, University of Delhi, today inaugurated its three-day International Conference on Sustainability through Fundamental and Applied Sciences (STFAS-2026), drawing together eminent scientists, academicians, researchers, and students from across India and abroad in a landmark convergence of scientific thought and sustainable innovation.

The conference's Chief Guest, Dr. N. Kalaiselvi, Director General of CSIR and Secretary, DSIR, delivered the keynote address, tracing India's remarkable scientific transformation — from a nation once dependent on others for essentials like food and vaccines to one that is now self-reliant and globally competitive.

Dr. Kalaiselvi urged students to immerse themselves in research, describing exposure to the world of science as gaining the "fragrance and flavour of research" — an experience that builds confidence, fuels successful startups, and drives innovation…

Read More: The Raisina Hills

Goan scientist helps create simple paper strip test to spot chemicals in second

CSIR-CLRI 08th April, 2026

Imagine there is a dangerous chemical on a surface. People need to know about it quickly so they can stay safe. But detecting such chemicals usually needs costly machines and trained experts. Researchers at CSIR-Central Leather Research Institute have found a new way to quickly detect very dangerous chemicals. The study was published in the international journal, Chemistry – A European Journal, led by Amit Vernekar, a scientist of Goan origin from Sanquelim, along with his student Huidrom Mangalsana.The team worked with a special material called Ce-BTB-MOL. Though it was already known to react with chemicals, the scientists discovered something new: it can act like an artificial enzyme that breaks down very harmful chemicals quickly.

"This enzyme is called a phosphotriesterase nanozyme, meaning it can break down dangerous organophosphate compounds," Vernekar said. Harmful chemicals belong to a group called organophosphates. Some of them, like parathion and paraoxon, were once used as pesticides but are now known to be extremely toxic affecting the brain and nerves, and even small amounts can be dangerous…

Read More: The Hindu

From Lab to Land: Himachal Workshop Bridges Science and Farming

CSIR-CLRI 08th April, 2026

The CSIR-Institute of Himalayan Bioresource Technology in Palampur will host a one-day workshop titled "Bioeconomy from the Himalayas: Linking Labs, Land and Industry."

The event is designed to bring together farmers, scientists, industry leaders, and experts on a shared platform to explore how Himalayan bioresources can drive sustainable growth. More than 150 participants are expected to attend.

Highlights of the workshop include:

Interactive discussions between farmers and researchers Laboratory and field visits to see innovations in action An exhibition showcasing bio-based technologies developed by the institute By connecting science with practice, the workshop aims to strengthen the bond between research and real-world application, ensuring that Himalayan communities benefit directly from cutting-edge bioeconomy solutions.…

Read More: Himachal Headlines

Workshop on floriculture and apiculture held in Wokha

CSIR-NEIST 08th April, 2026

A consultative meeting-cum-capacity-building workshop on floriculture and apiculture was conducted at the DC's Conference Hall, Wokha, on Wednesday.

The programme was organised in collaboration with the district administration and the Council of Scientific and Industrial Research (CSIR)–North East Institute of Science and Technology (NEIST), Jorhat.

During the event, farmers received training in modern beekeeping techniques, including the use of improved honeybee boxes and essential equipment.

Officials highlighted that while traditional local boxes allow only two harvests annually, modern bee boxes developed at NEIST enable up to eight harvests a year. To bridge this gap, farmers were taught low-cost methods of making effective bee boxes and were also provided with improved, affordable boxes to enhance productivity…

Read More: Eastern Mirror Nagaland

From Lab to Land: Himachal Workshop Bridges Science and Farming

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Read More: Himachal Headlines

अदरक का तेल बनेगा सोरायसिस के लिए रामबाण, CSIR-CIMAP के शोध में सामने आए चौंकाने वाले परिणाम

CSIR-CIMAP 08th April, 2026

त्वचा की गंभीर और लंबे समय तक परेशान करने वाली बीमारी सोरायसिस के इलाज को लेकर सीएसआईआर-सीमैप के वैज्ञानिक ने महत्वपूर्ण शोध किया है। वैज्ञानिक डॉ. एनपी यादव ने वैज्ञानिक अध्ययन में पाया है कि अदरक (जींजीबर ऑफिसिनेल) से निकाला गया एसेंसियल ऑयल इस बीमारी के लक्षणों को कम करने में प्रभावी हो सकता है। यह शोध तीन अलग-अलग स्तरों कंप्यूटर आधारित अध्ययन (इन सिलिको), प्रयोगशाला परीक्षण (इनविट्रो) और पशु परीक्षण (इन विवो) पर किया गया है। जिससे इसके परिणाम अधिक विश्वसनीय माने जा रहे हैं।

सोरायसिस एक पुरानी (क्रॉनिक) त्वचा रोग है, जो शरीर की प्रतिरक्षा प्रणाली में गड़बड़ी के कारण होता है। इसमें त्वचा की कोशिकाएं सामान्य से कई गुना तेजी से बनने लगती हैं। इससे त्वचा पर लाल, मोटे, सूखे और खुजली वाले धब्बे बन जाते हैं। कई बार इसमें जलन और दर्द भी होता है। यह बीमारी पूरी तरह ठीक नहीं होती और लंबे समय तक इलाज की जरूरत पड़ती है। विश्व स्वास्थ्य संगठन के अनुसार दुनिया भर में लाखों लोग इस बीमारी से प्रभावित हैं। इसके इलाज के लिए वर्तमान में जो दवाएं उपलब्ध हैं, वे या तो महंगी होती हैं या लंबे समय तक उपयोग करने पर उनके दुष्प्रभाव सामने आ सकते हैं। यही कारण है कि वैज्ञानिक सुरक्षित और प्राकृतिक विकल्पों की खोज में लगे हुए हैं।....

Read More: Amrit Vichar

CSIR develops sustainable process for recycling bioplastics

CSIR-NCL 08th April, 2026

Scientists at the Council for Scientific and Industrial Research (CSIR) have developed a sustainable and scalable process for the segregation and recycling of bioplastic composites that will enable material recovered from waste material to be safely reused.

Bioplastic composites are engineered materials that combine biodegradable polymers with natural fibers such as hemp, flax or wood. These materials enhance the mechanical strength, thermal stability and cost-effectiveness of the composites and are a sustainable alternative to conventional plastics for packaging, automotive and agricultural applications. Bioplastics differ from conventional plastic that is derived from fossil fuels.

Recycling bio-plastics, according to scientists, is crucial for reducing reliance on fossil fuels, cutting greenhouse gas emissions and promoting a circular economy. It checks bio-based materials from contributing to pollution and ecological degradation….

Read More: The Tribune

Focus on two global technologies, Kodaikanal clean-up a national pride: CSIR chief to CSIR-NEERI

CSIR-NEERI 09th April, 2026

Calling for a sharper global focus in research, Dr N Kalaiselvi urged scientists at CSIR-National Environmental Engineering Research Institute to prioritise at least two long-term, globally competitive technologies to position the institute as a benchmark and a National Centre of Excellence. Citing the successful remediation of the mercury-contaminated site at Kodaikanal, she described it as a 'matter of national pride' and a model for impactful science.

Dr Kalaiselvi delivered the Foundation Day address at NEERI's 68th Foundation Day celebrations held on April 8. She emphasised the need to revive the institute's legacy by enhancing research excellence and societal impact, urging scientists to actively submit proposals, mentor at least three students each, and generate meaningful success stories. Highlighting gaps, she said that while NEERI is addressing several societal challenges…

Read More: Times of India

BioNEST सेंटर भारत में फ़ूड स्टार्टअप इकोसिस्टम को मज़बूत बनाता है

CSIR-CFTRI 09th April, 2026

शुरुआत और महत्व

BioNEST इनक्यूबेशन सेंटर का उद्घाटन अप्रैल 2026 में सेंट्रल फ़ूड टेक्नोलॉजिकल रिसर्च इंस्टीट्यूट (CFTRI) में किया गया था। इस पहल की शुरुआत जितेंद्र सिंह ने भारत के फ़ूड इनोवेशन इकोसिस्टम को मज़बूत करने के लिए की थी। इस सेंटर को बायोटेक्नोलॉजी इंडस्ट्री रिसर्च असिस्टेंस काउंसिल (BIRAC) का समर्थन प्राप्त है, जो फ़ंडिंग और इनक्यूबेशन के ज़रिए बायोटेक स्टार्टअप को बढ़ावा देता है। इसका उद्देश्य लैबोरेटरी रिसर्च और कमर्शियल इस्तेमाल के बीच के अंतर को भरना है। स्टैटिक GK तथ्य: CFTRI काउंसिल ऑफ़ साइंटिफ़िक एंड इंडस्ट्रियल रिसर्च (CSIR) के तहत काम करता है, जो भारत का प्रमुख R&D संगठन है।

बुनियादी ढांचा और सुविधाएं

BioNEST सेंटर एक अत्याधुनिक इनक्यूबेशन सुविधा है, जिसमें उन्नत लैबोरेटरी और साझा बुनियादी ढांचा मौजूद है। यह स्टार्टअप को रिसर्च, प्रोडक्ट की जांच और टेक्नोलॉजी को बड़े पैमाने पर लागू करने के लिए संसाधन उपलब्ध कराता है। नियामक सहायता और कमर्शियल इस्तेमाल के तरीके पर विशेष ध्यान दिया जाता है। इससे यह सुनिश्चित होता है कि इनोवेशन रिसर्च लैब्स ...

Read More: Usthadian

पौधे भी देते हैं कीटों के हमलों का जवाब, CSIR-CIMAP के अध्ययन में सामने आए नए तथ्य

CSIR-CIMAP 09th April, 2026

पेड़-पौधे भी सुख-दुख का अनुभव करने के साथ दोस्त-दुश्मन की पहचान करते हैं और हमलावर कीटों के खिलाफ जवाबी हमला करते हैं। सीएसआईआर-सीमैप में किए गए अध्ययन में यह सामने आया है कि पौधों की इस क्षमता को बढ़ाकर कीटों के प्रभाव को कम या खत्म किया जा सकता है। शोध में पाया गया कि कीटों के आक्रमण का सबसे प्रभावी मुकाबला अश्वगंधा करता है। बीटल के हमले के दौरान यह अपने मेटाबोलिज्म में बदलाव कर सुरक्षात्मक यौगिकों का निर्माण बढ़ा देता है, जिससे कीटों के जीवित रहने की संभावना घट जाती है।

अश्वगंधा (वीथेनिया सोम्निफेरा) पर किए गए अध्ययन में पाया गया कि कीटों के हमले के बाद पौधे में कई रासायनिक बदलाव होते हैं। पौधा वीथानोलाइड्स और वीथानोसाइड्स जैसे यौगिकों की मात्रा बढ़ाकर अपनी रक्षा करता है। ये यौगिक न केवल पौधे को सुरक्षा देते हैं, बल्कि औषधीय दृष्टि से भी महत्वपूर्ण हैं। शोध का केंद्र हेनोसेपीलाचना वीजींटोक्टोपंक्टाटा नामक कीट रहा, जो फसल को भारी नुकसान पहुंचाता है।

अध्ययन में यह भी सामने आया कि कीटों के हमले से कार्बोहाइड्रेट...

Read More: Amrit Vichar

Mission Bharpoor 2.0 launched in Palampur

CSIR-IHBT 09th April, 2026

To mark the beginning of the Poshan Pakhwada, Mission Bharpoor 2.0 was formally launched at the CSIR-Institute of Himalayan Bioresource Technology in Palampur on Wednesday. The initiative, a joint effort of the Kangra district administration and CSIR-IHBT, aims to further strengthen efforts to eliminate childhood malnutrition in the region.

Addressing the gathering, Kangra Additional Deputy Commissioner (ADC) Vinay Kumar highlighted the success of the first phase of Mission Bharpoor. He said that nutrient-rich supplementary food products had played a crucial role in improving the health of children. Appreciating the coordinated efforts of the administration and scientists…

Read More: The Tribune

CSIR-NEERI Celebrates 68th Foundation Day with Focus on Innovation and Impact

CSIR-NEERI 09th April, 2026

The CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur, celebrated its 68th Foundation Day on April 8, 2026, with a series of programmes.

N. Kalaiselvi, Director General of the Council of Scientific and Industrial Research (CSIR) and Secretary, Department of Scientific and Industrial Research (DSIR), graced the event as Chief Guest and delivered the Foundation Day address at the NEERI Auditorium. S. Venkata Mohan, Director of CSIR-NEERI, was also present. In her address, Dr. Kalaiselvi lauded the contributions of the institute's visionaries and former staff, highlighting its remarkable journey, continued relevance, and impactful achievements…

Read More: PIB

RLA at CSIR-NML Jamshedpur charts roadmap for industrial asset reliability

CSIR-NML 10th April, 2026

The two-day national symposium on "Remaining Life Assessment of Engineering Components (RLA-2026)" concluded at the CSIR-National Metallurgical Laboratory, highlighting key technical insights and future strategies for extending the life of industrial assets.

The symposium brought together experts from industry, academia and research institutions, providing a platform to discuss the safety and reliability of critical infrastructure such as boilers, turbines, pipelines and refinery components. Participants emphasised the growing need for advanced diagnostic tools, predictive modelling and integrated assessment techniques to ensure cost-effective and safe operations…

Read More: The Avenue Mail

CSIR-CSMCRI's role in advancing research and supporting national priorities is commendable: Nimuben Bambhania

CSIR-CSMCRI 10th April, 2026

CSIR-Central Salt & Marine Chemicals Research Institute (CSMCRI), Bhavnagar, marked its 73rd Foundation Day with a grand celebration, highlighting its legacy of scientific excellence and future aspirations. The event commenced with a welcome address by Dr. J. R. Chunawala, Chief Scientist, & Chairperson of the Foundation Day Committee. He set the tone for the day by reflecting on the institute's remarkable journey and contributions to science and society.

Dr. Kannan Srinivasan, Outstanding Scientist emphasized institute's pioneering role in marine chemicals & salt research, and highlighted CSIR's contribution in up-liftment of science…

Read More: PIB

Pathbreaking tech: Natural cure to treat sewage water

CSIR-CSMCRI 11th April, 2026

As cities and towns struggle with increasing sewage water and the enormous cost of treating it, scientists in Gujarat have developed a simple, nature-based solution that could change how wastewater is managed. The technology allows housing societies to treat their own sewage at a fraction of the usual cost, without using electricity, and reuse the water for daily needs like gardening and car washing—potentially saving crores in municipal expenditure.

Scientists at the CSIR-Central Salt & Marine Chemicals Research Institute (CSMCRI) in Bhavnagar have developed an innovative nature-based sewage treatment system that works much like a natural wetland. Instead of relying on expensive machinery and power-intensive processes used in conventional sewage treatment plants, the system uses plants, microbes and specially designed beds to naturally clean wastewater…

Read More: Times of India

Workshop on AI-Driven Drug Discovery: Advanced Tools, Techniques & Applications

CSIR 11th April, 2026

A three-day intensive workshop on "AI-Driven Drug Discovery: Advanced Tools, Techniques & Applications" was successfully organized at the CSIR-Human Resource Development Centre (CSIR-HRDC), Ghaziabad, from April 7 to 9, 2026. The programme was exclusively designed for CSIR Scientists and Technical Officers, with the objective of equipping them with advanced knowledge and practical exposure to cutting-edge Artificial Intelligence (AI) tools transforming modern drug discovery.

The workshop was inaugurated in the presence of eminent dignitaries including Prof. G. N. Sastry, Department of Biotechnology, IIT Hyderabad; Dr. T. S. Rana, Head, CSIR-HRDC; Dr. Vinay Kumar, Scientist G & Programme Convener; and Mrs. Preeti Chaudhary, Programme Coordinator. In his inaugural address, Prof. Sastry highlighted the transformative role of AI in revolutionizing the drug discovery process and emphasized the growing importance of interdisciplinary approaches in pharmaceutical research…

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CSIR Women Scientists Unlock New Insights Into Depression Mechanisms in Females

CSIR-IICT

11th April, 2026

In a significant scientific breakthrough, teams led by women scientists from India's premier research network, the Council of Scientific and Industrial Research (CSIR), have reported major advances in understanding how depression uniquely affects females. This development marks an important step in decoding gender-specific mental health mechanisms and could potentially reshape future treatment strategies for depression, a condition that disproportionately impacts women worldwide.

Depression remains one of the leading causes of disability globally, with studies consistently showing that women are nearly twice as likely as men to experience depressive disorders. Despite this disparity, much of the earlier research has been largely generalized, often overlooking biological…

Read More: News Now Nation

CFTRI hosts symposium on “Insights in Food Product Development”

CSIR-CFTRI 11th April, 2026

The Department of Traditional Foods and Applied Nutrition (TFAN), CSIR-Central Food Technological Research Institute (CSIR-CFTRI), Mysuru, organised a half-day symposium on “Insights in Food Product Development” recently bringing together experts to deliberate on emerging trends and challenges in development of nutritious, consumer-oriented food products.

Prof. Jamuna Prakash, Retired Professor from the University of Mysore, who was the chief guest, delivered an insightful address on “Positioning and Optimising Nutrition in Food Product Development.”

She emphasised the need to integrate nutritional science with product design, highlighting how careful ingredient selection, processing techniques and fortification strategies can enhance the health value of foods while maintaining taste, affordability, and consumer acceptability…

Read More: Star of Mysore

CSIR-NIO study: Climate change linked to increased underwater volcanic activity

CSIR-NIO 12th April, 2026

Scientists from the National Institute of Oceanography (CSIR-NIO) Goa have been studying the seafloor along the mid ocean ridges (MORs) to discover how climate change is influencing polar ice volume and decreasing sea-level, which in turn is making the underwater volcanoes more active.

"While short-term hydrothermal dynamics are well studied, the long-term response of these systems at slow spreading ridges to glacial interglacial sea-level change remains poorly constrained," the study states. MORs in oceans are giant underwater mountain ranges, where two tectonic plates are moving away, oozing out hot, melted rock (magma) from deep inside the earth creating volcanism. The magma heats up the surrounding rock and the seawater that seeps in through cracks. This hot water, full of dissolved metals…

Read More: Times of India

Palampur: CSIR-IHBT develops indigenous technique for peony cultivation

CSIR-IHBT 13th April, 2026

The Council of Scientific and Industrial Research-Institute of Himalayan Bio-resource Technology (CSIR-IHBT), Palampur, has successfully developed a comprehensive agro-technology package for the cultivation of peony flowers (Paeonia lactiflora) under Indian agro-climatic conditions.

The achievement is being seen as a significant step towards reducing India's heavy dependence on imported peony flowers, which are currently sourced predominantly from European countries such as the Netherlands, France and Italy. The initiative forms part of the CSIR Floriculture Mission, a national programme aimed at promoting high-value floriculture, crop diversification and enhancing farmers' income through scientific interventions.

Official sources said the CSIR-IHBT had collaborated with two private companies to introduce elite planting material and standardise cultivation practices…

Read More: The Tribune

CSIR-IMMT Celebrates Foundation Day

CSIR-IMMT 13th April, 2026

The Council of Scientific and Industrial Research – Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar successfully celebrated its Foundation Day on 13th April 2026 with great enthusiasm and active participation from its present and former staff and students and guests from other laboratories. Established originally as the Regional Research Laboratory on 13th April 1964, CSIR-IMMT continues to stand as a premier research institute in the field of minerals, metals, and materials technology.

The main function was held in the institute auditorium and commenced with a welcome address by the Director, Dr.Ramanuj Narayan. In his address, Dr. Narayan…

Read More: PIB

Pune Inc: This startup is building a '100% safe' sodium-ion battery using Indian raw materials

CSIR-NCL 14th April, 2026

An unseen race among nations involves batteries as they aim for an electric transformation. Currently, Electric Vehicles (EVs) rely on lithium-ion batteries, known for their high efficiency and proven performance. However, lithium is only available in a few countries, and the entire value chain of lithium-ion batteries is controlled by China, leaving India heavily dependent on imports.

Against this geopolitical backdrop, a startup, Rechargion, was founded in 2021 as a spin-off from the CSIR-National Chemical Laboratory of Pune. The company is led by Dr Vilas Shelke, a physicist with over 22 years of academic experience, and his wife, Dr Manjusha Shelke, a Chief Scientist at NCL who has worked on various battery chemistries.

"Due to our research background, we could figure out that sodium-ion is a technology that is close to lithium-ion batteries…

Read More: Indian Express

FoPD 2026 at CSIR-IHBT Palampur: Expert Lecture and Botanical Garden Tours (India)

May 18 | 11:00 – 16:00
Organised by: CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT)
Location: Palampur, Himachal Pradesh, India

CSIR-IHBT will celebrate Fascination of Plants Day 2026 with a special programme dedicated to plant sciences.

The event includes an expert lecture on modern plant research. The talk will introduce key topics in plant science and highlight current scientific work in the field.

Participants will also take part in guided tours of the Institute's botanical garden. They will visit research facilities, including tissue culture laboratories, greenhouses, and analytical equipment units…

Read More: Plant Day

Why this new rice variety is called 'Designer Rice' and how it will impact your protein intake

CSIR-NIIST 15th April, 2026

What makes this Designer Rice so special

From pulao to biryani, rice is loved in many forms and is one of the most popular staple foods in India. It is a rich source of carbohydrates, providing quick and sustained energy for the body. It is also easily digestible and naturally gluten-free. But when it comes to protein, the building block of human body, rice lacks in it and it is often associated with rapid spikes in blood sugar, making it a concern in countries like India that are grappling with rising rates of diabetes. But, if we tell you that there exists a rice, which is rich in protein and makes for a perfect pick for people dealing with diabetes? Yes, you read it right! The scientists at the Council of Scientific and Industrial Research's (CSIR) and National Institute for Interdisciplinary Science and Technology (CSIR-NIIST) in Thiruvananthapuram…

Read More: Times of India

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