सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

CSIR in Media

News Bulletin
16 To 31 March 2026

India is re-engineering its grains. The lab is finally serving the kitchen

CSIR-NIIST

15th March, 2026

In a kitchen somewhere in India, a grandmother lifts the lid of her pressure cooker. The whistle has blown three times. The rice is ready. She does not know that the grain she has cooked every day of her life is about to change.

White rice, the staple that anchors meals across Asia, Africa, and Latin America, is mostly starch. The body converts that starch into glucose almost immediately, flooding the bloodstream with sugar. For India's 101 million diabetics, this is not a side effect of eating rice. It is the consequence of eating rice every single day, twice a day, for an entire lifetime.

India also has 189 million undernourished people, many of them living on the very same grain. They consume enough calories and yet remain hungry in ways that calories alone cannot fix: deficient in protein, iron, and vitamins that white rice simply does not provide…

Read More: India Today

DG, CSIR inaugurates Flower Show, announces continuation of Floriculture Mission

CSIR-IIIM

15th March, 2026

Secretary, Department of Scientific and Industrial Research (CSIR) and Director General CSIR, Dr. N. Kalaiselvi here today inaugurated Flower Show-cum-Floritech Conclave 2026 at CSIR-IIIM. In her presidential address, Dr. Kalaiselvi said the institute's long tradition of organizing flower shows, which dates back to 1961, reflects a rich legacy of connecting science with the community. Dr. Kalaiselvi highlighted that floriculture and apiculture are emerging as powerful drivers of rural livelihoods and economic diversification.

She stressed that such region-based scientific interventions allow farmers to cultivate crops that are best suited to their terrain and market demand.

Speaking on the occasion, Dr. Zabeer Ahmed, Director CSIR-IIIM Jammu said the institute is committed to strengthening the floriculture ecosystem in J&K through research, innovation and farmer outreach. During the programme, winners of the floral drawing and painting competition for school children were felicitated…

Read More: Daily Excelsior

Australian Consul General visits CSIR-IMMT to strengthen Indo-Australian collaboration in critical minerals

CSIR-IMMT

15th March, 2026

The Australian Consul General, Kolkata, H.E.Bernard Lynch and Anagha, Senior Economic Research Officer, Australian Consulate-General, Kolkata visited CSIR–Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, and held discussions with Dr.Ramanuj Narayan, Director, CSIR-IMMT, and senior scientists on strengthening Indo-Australian cooperation in the field of critical minerals and advanced mineral processing technologies.

During the visit, H.E.Lynch toured the facilities, includingthe Minerals and Materials Characterization Department, Mineral Processing Department and Hydro, Bio & Electrometallurgy Department, and discussed ongoing advancements in critical minerals technology development.

Dr.Kali Sanjay, Head, Business Development and CSIR-IMMT Centre of Excellence, elaborated on CSIR-IMMT's ongoing collaborations with leading Australian institutions, including the Adelaide University through the Australia-India Strategic Research Fund…

Read More: Odisha Ray

Flower show-cum-floritech conclave concludes at CSIR-IIIM; Experts highlight floriculture's economic potential

CSIR-IIIM 15th March, 2026

The two-day Flower Show-cum-Floritech Conclave 2026 concluded at the campus of CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM) on Canal Road here on Sunday, with experts emphasising the growing role of floriculture in research, livelihood generation and sustainable agriculture. Former Principal Chief Conservator of Forests O.P. Sharma Vidyarathi attended the valedictory function as chief guest. A large number of participants, including farmers, students, scientists, garden enthusiasts and members of the public, took part in the event and showcased a wide range of floral exhibits and innovative horticulture models.

Addressing the gathering, Vidyarathi said the tradition of organising the flower show in Jammu dates back to 1961 and has played a significant role in promoting awareness about floriculture and horticulture among citizens. He noted that flowers are not only symbols of beauty but also hold immense economic value in sectors such as cosmetics, essential oils and medicinal research. Highlighting the region's biodiversity, he said the Himalayan belt is rich in plant diversity, offering vast opportunities for research, conservation and economic development…

Read More: State Times

CSIR celebrates Women's Day, felicitates entrepreneurs & staff

CSIR-IHBT

15th March, 2026

The CSIR-Institute of Himalayan Bioresource Technology celebrated International Women's Day on its premises on Friday. Dr Sudesh Kumar Yadav, Director, CSIR-IHBT, in his welcome address, highlighted the importance of the day and the role of women in science, society, sports and other fields. He emphasised equal opportunities for women and their safety.

Dr Jatinder Kaur Arora, adviser, Northern Region Science and Technology Cluster: PI-RAHI, Punjab State Council for Science and Technology, was the chief guest on the occasion. She spoke about the role of women in a changing world and highlighted various initiatives being led by them.

Advocate Adarsh Sood and Nitika Bhandari were the guests of honour. Sood talked about various legal initiatives and deliberated in detail on the POSH Act while Bhandari highlighted the social movement and societal issues relatingo women.

Inspiring women entrepreneurs and female administrative staff of the institute were felicitated during the programme. A workshop on 'Strengthening of inner-self'…

Read More: The Tribune

Ladakh soil microbe may hold key to treating cancer, TB and diabetes

CSIR-IICT

16th March, 2026

Scientists at the Council of Scientific and Industrial Research (CSIR) have identified a rare chemical compound in a species of bacterium found in soil in Ladakh that could aid in the treatment of diseases such as cancer, tuberculosis and diabetes.

Bacteria are single-celled, microscopic organisms found everywhere on Earth that play vital roles in ecosystems. They are crucial for decomposition, nutrient cycles and human health, although some can cause infections in humans and animals.

The researchers isolated a bacterium known as Streptomyces netropsis, and its scientific analysis revealed the presence of 13 alkaloids. Among these, one compound called Pimprinethine was successfully isolated, and its structure was elucidated through comprehensive spectroscopic techniques.

“Pimprinethine demonstrated broad-spectrum bioactivities, including anti-mycobacterial activity, cytotoxic activity against prostate cancer cell lines, immunomodulatory effects and significant anti-diabetic potential,” the researchers said…

Read More: The Tribune

बोगेनवेलिया के साथ सेल्फी ली, राज्यपाल बोलीं- आंखों को ठंडक देने वाला फूल

लखनऊ के राष्ट्रीय वनस्पति अनुसंधान संस्थान (NBRI) में रविवार को बड़ी संख्या में लोग पुष्प प्रदर्शनी देखने पहुंचे। फूलों की विभिन्न वैरायटी, सुंदरता और खुशबू से पूरा परिसर महक रहा था। लोगों ने फूलों के साथ खूब सेल्फी ली। समापन कार्यक्रम में राज्यपाल आनंदीबेन पटेल ने कहा- बोगेनवेलिया गर्मी के मौसम में आंखों को सुख देने वाला पुष्पीय पौधा है। आज आवश्यकता है कि हम प्रकृति के उपहार और सौंदर्य को अपने जीवन का हिस्सा बनाएं। सीएसआईआर-एनबीआरआई की प्रदर्शनी में आने वाले लोगों को मॉडर्न खेती ...

Read More: Dainik Bhaskar

2-day bougainville fest draws huge footfall; 51 prizes awarded

CSIR-NBRI 16th March, 2026

A two-day bougainvillea festival organised by the CSIR-National Botanical Research Institute (NBRI) concluded on Sunday with a prize distribution ceremony attended by UP Governor Anandiben Patel.

Addressing the gathering, the governor said, "Flowering plants such as bougainvillea not only enhance the city's landscape but also contribute to well-being and environmental balance. Plants and trees also support livelihoods and can contribute to the rural economy through floriculture activities."
She added that such festivals help connect farmers with new technologies and improved plant varieties developed under the CSIR Floriculture Mission.

NBRI director AK Shasany said, "The institute played a key role in bougainvillea research and the development of new varieties. The festival aimed to promote floriculture and encourage public interest in ornamental gardening."

Dr KJ Singh, scientist at NBRI, said the festival received a large footfall, with the sale of bougainvillea plants among the main attractions. The participants included govt institutions, private nurseries and individual…

Read More: Times of India

CSIR SMART VILLAGE initiative inaugurated in Kusunpur

CSIR

16th March, 2026

The CSIR SMART VILLAGE: An Initiative was inaugurated today at Kusunpur Village, Rajnagar Block, Kendrapara District, marking a significant step toward promoting technology-driven and sustainable rural development. The initiative aims to bring scientific innovations and practical solutions to rural communities through collaboration between CSIR research institutions, local administration, and implementation partners.

The event was graced remotely by Dr. N. Kalaiselvi, Secretary, Department of Scientific and Industrial Research (DSIR) and Director General, CSIR, Raghuram R. Iyer, Collector and District Magistrate of Kendrapara, graced the occasion as Chief Guest in the presence of scientific representatives from participating CSIR laboratories…

Read More: Sambad

CSIR-IIIM launches 3-day hands-on training programme on HPLC

CSIR-IIIM 17th March, 2026

A three-day hands-on training programme on High Performance Liquid Chromatography (HPLC) began today at the CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM) in Jammu under the CSIR Integrated Skill Initiative, bringing together researchers, scholars and students from various institutions across Jammu and Kashmir and other parts of the country.

The training programme aims to enhance technical skills and provide practical exposure in advanced analytical techniques widely used in pharmaceutical research, natural product chemistry and quality control of medicinal formulations.

Addressing the inaugural session, Director of CSIR-IIIM, Dr Zabeer Ahmed highlighted the importance of skill-based scientific training in strengthening research capacity and innovation in the country. He noted that participants from institutions such as All India Institute of Medical Sciences, Sher-e-Kashmir University of Agricultural Sciences and Technology…

Read More: Daily Excelsior

LPG की जगह अब DME गैस से बनेगा भोजन, भारतीय वैज्ञानिकों ने की खोज

CSIR-NCL

16th March, 2026

ईरान और अमेरिका के बीच जारी जंग के कारण खाना बनाने वाली गैस की किल्लत बढ़ती जा रही है। इस बीच पुणे के वैज्ञानिकों ने एलपीजी का सस्ता और स्वदेशी विकल्प डाइमिथाइल ईथर (DME) गैस बनाने का दावा किया है। पुणे की CSIR-NCL ने डाइमिथाइल ईथर को LPG जैसा गुणधर्म वाला और मौजूदा कुकिंग गैस का विकल्प बताया है। पुणे के वैज्ञानिकों का कहना है कि डाइमिथाइल ईथर, LPG की तरह ही जलता है। इसमें भी कम प्रदूषण फैलता है। इसके गुणधर्म LPG से काफी मिलते-जुलते हैं।

पुणे NCL का दावा है कि उनकी 20 साल की मेहनत लाई रंग है, लेकिन अब भी कई चुनौतियां हैं। CSIR–नेशनल केमिकल लेबोरेटरी के वैज्ञानिकों ने इस ईंधन के उत्पादन को बड़े पैमाने पर बढ़ाने पर काम शुरू कर दिया है। शोधकर्ताओं का कहना है कि यह घरों में खाना पकाने के लिए इस्तेमाल होने वाली एलपीजी का एक स्वदेशी विकल्प बन सकता है। लेबोरेटरी ने हाल ही में DME के लिए एक पायलट प्लांट स्थापित किया है। अब उत्पादन बढ़ाने के लिए इस सुविधा का विस्तार करने की योजना बना रही है।

जानिए क्या है डाइमिथाइल ईथर और इसके गुण?

डाइमिथाइल ईथर को आमतौर पर DME के नाम से जाना जाता है। यह एक गैस है जिसे मेथनॉल से आर्टिफिशियल रूप से बनाया जाता है। मेथनॉल खुद कई स्रोतों से हासिल की जा सकती है। इनमें बायोमास, कोयला या यहां तक कि कैप्चर्ड कार्बन डाइऑक्साइड भी शामिल है। डीएमई में एलपीजी जैसे गुणधर्म पाए जाते हैं…

Read More: Live Mint

बेहतर उपयोग और कम प्रदूषण के लिए कोयले की धुलाई जरूरी: निदेशक CSIR सिंफर

कोयले के बेहतर और पर्यावरण अनुकूल उपयोग के लिए उसका वैज्ञानिक तरीके से धुलाई (वाशिंग) करना बेहद जरूरी है. कोयला धुलाई से उसमें मौजूद राख (ऐश) की मात्रा कम हो जाती है. जिससे प्रदूषण घटाने में भी मदद मिलती है. यह बातें CSIR सिंफर के निदेशक अरविंद कुमार मिश्रा ने कही. उन्होंने खनन कार्यों में वैज्ञानिक पद्धति अपनाने पर जोर देते हुए कहा कि इससे गुणवत्ता और सुरक्षा दोनों सुनिश्चित होती है.

सोमवार को CSIR यानी Central Institute of Mining and Fuel Research (सीएसआईआर सिंफर) के डिगवाडीह परिसर में 'कोयला धुलाई योग्यता अध्ययन' विषय पर कार्यक्रम आयोजन किया गया है. जिसमें पांच दिवसीय कार्यकारी विकास कार्यक्रम (EDP) के उद्घाटन अवसर पर निदेशक प्रो अरविंद कुमार मिश्रा संबोधित कर रहे थे.

एससीसीएल से अधिकारियों के दी तकनीक की जानकारी

इस प्रशिक्षण कार्यक्रम में Singareni Collieries Company Limited (SCCL) से आए अधिकारियों को कोयले की धुलाई और खनिज प्रसंस्करण से जुड़ी तकनीकी जानकारी दी जा रही है. प्रो मिश्रा ने कहा कि आजादी के बाद से संस्थान के वैज्ञानिकों ने लगातार शोध कर घरेलू कोयले को वैज्ञानिक प्रक्रिया से कोक में परिवर्तित करने में महत्वपूर्ण सफलता हासिल की है. इससे देश की आयातित कोयले पर निर्भरता कम करने में भी मदद मिली है...

Read More: ETV Bharat

Odisha's CSIR-IMMT scientists turn bauxite waste into high-heat refractory bricks; sign tech transfer deal

CSIR-IMMT

17th March, 2026

In a significant boost to sustainable mining and industrial innovation, scientists at the CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT) in Odisha's Bhubaneswar have developed high-performance refractory bricks using bauxite mining waste.

To promote the industrial application of the eco-friendly technology, CSIR-IMMT has signed a technology transfer agreement with M/s. Utkal Vanguard Engineering & Construction Pvt. Ltd., a Bhubaneswar-based company. The agreement was formally signed on Tuesday, March 17, at the CSIR-IMMT Campus.

Turning environmental hazards into resources

Bauxite mining waste generated after mineral extraction has long posed a serious environmental challenge, contributing to air pollution and increased acidity in nearby water bodies…

Read More: ET Now News

Kusunupur Village In Odisha's Kendrapara To Become 'Living Lab' Under CSIR Smart Village Initiative

CSIR

17th March, 2026

Kusunupur, otherwise a non-descript quiet village in Kendrapara district has suddenly shot to limelight, finding a place among six places spreading across states, in the country which would become a national model for rural transformation. Situated in Rajnagar block, the village has been selected as one of India's 'Smart Villages' under a flagship initiative led by the Council of Scientific and Industrial Research (CSIR), bringing hope and excitement to its residents.

What makes this selection important is Kusunupur happens to be the only village from eastern India chosen for the programme, placing it on the national map of scientific rural development. The Smart Village initiative aims to transform rural areas through scientific interventions like focusing on agriculture, livelihood generation, nutrition, education and disaster resilience. The selected villages will be considered 'living laboratories,' where innovations developed in labs will be implemented on the ground

Apart from Kusunupur, five other villages - Bhada (Gujarat), Chumathang (Ladakh), Jorhat (Assam), Janakpur (Madhya Pradesh), and Sawaipura (Rajasthan) - have been identified across diverse climatic zones. CSIR will implement the programme over three years, testing scalable solutions that could later be replicated nationwide…

Read More: ETV Bharat

CSIR–NGRI Launches Five-Day National Training on Controlled Source Seismic and Gas Hydrate Exploration

CSIR-NGRI 17th March, 2026

The CSIR-National Geophysical Research Institute (CSIR–NGRI), under the leadership of its Director Prakash Kumar, has launched a five-day national training programme on Controlled Source Seismic Techniques and Gas Hydrate Exploration. The initiative is being conducted under the Council of Scientific and Industrial Research (CSIR) Skilled Development Initiative in line with the national vision of Viksit Bharat.

The programme has drawn participation from young researchers, scholars and early-career professionals from different parts of the country. It is designed to provide participants with advanced knowledge and hands-on exposure to seismic exploration techniques and the emerging field of gas hydrate resource assessment.

During the inaugural session, Abhay Ram Bansal, Scientist-G and Head of the CSIR–NGRI Skilled India Initiative, emphasised the importance of capacity building among young scientists. He noted that such training programmes help bridge the gap between academic learning and real-world geophysical applications, while also strengthening India's scientific workforce in line with the vision of Viksit Bharat 2047…

Read More: The Hans India

India Strengthens Protection and Promotion of Traditional Medicinal Knowledge through TKDL and Ayush Initiatives

CSIR-TKDL

17th March, 2026

The Traditional Knowledge Digital Library (TKDL) is a prior art database of Indian traditional knowledge established in 2001, jointly by the Council of Scientific and Industrial Research (CSIR) and the then Department of Indian Systems of Medicine and Homeopathy (now Ministry of Ayush). The TKDL currently contains information from ancient texts related to Indian Systems of Medicine such as Ayurveda, Unani, Siddha, Sowa Rigpa and Yoga. The information existing in local languages such as Sanskrit, Hindi, Tamil, Malayalam, Arabic, Persian, Urdu, Bhoti, etc., has been transcribed into five international languages, namely English, French, German, Spanish and Japanese in the TKDL database. A total of 519978 formulations/techniques from the Indian Systems of Medicine and Yoga practices have been transcribed in the TKDL database so far. This includes 148846 formulations/ techniques in Ayurveda, 265496 in Unani, 89403 in Siddha and 9097 in Sowa Rigpa, and 7136 in Yoga practices. This includes 2935 surgical methods, devices/ tools, therapies and dietary interventions from Ayurveda, Unani, Siddha and Sowa Rigpa.

Further, the Ministry of Ayush has launched Ayusoft portal that transforms classical Ayurvedic texts into an authentic knowledge repository, offering tools like…

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ऑयल बेस्ड फसलें बदल रहीं पहाड़ी किसानों की किस्मत

पहाड़ों में किसानों के लिए कमाई का मजबूत विकल्प

हिमालयी क्षेत्रों में सुगंधित खेती को प्रोत्साहित करने के उद्देश्य से एक महत्वपूर्ण पहल की गई है, जिसने किसानों के लिए नई उम्मीद जगाई है। CSIR-Indian Institute of Integrative Medicine द्वारा चलाई जा रही यह पहल न केवल खेती के स्वरूप को बदल रही है, बल्कि पहाड़ी क्षेत्रों में आय के स्थायी साधन भी तैयार कर रही है। CSIR एरोमा मिशन (फेज-III) के अंतर्गत उत्तराखंड के Chamoli District में 55 किसानों के बीच 70,000 क्वालिटी प्लांटिंग मैटेरियल (QPM) के रूप में रोज़मेरी पौधों का वितरण किया गया। इस पहल के जरिए करीब 5 हेक्टेयर क्षेत्र में रोज़मेरी की खेती को बढ़ावा दिया जा रहा है, जिससे किसानों की आय में बढ़ोतरी की नई संभावनाएँ बन रही हैं।

एरोमा मिशन से खेती को मिलेगी नई दिशा

दरअसल, हिमालयी क्षेत्रों में पारंपरिक खेती लंबे समय से सीमित आय का जरिया रही है। छोटी जोत, कठिन भौगोलिक परिस्थितियाँ और बाजार तक सीमित पहुँच के कारण किसान अक्सर आर्थिक चुनौतियों से जूझते रहे हैं। ऐसे में CSIR एरोमा मिशन जैसी पहलें खेती को नई दिशा दे रही हैं, जहाँ कम क्षेत्र में भी अधिक मुनाफा कमाया जा सकता है। रोज़मेरी जैसी सुगंधित फसलें न केवल कम पानी में उगाई जा सकती हैं, बल्कि इनसे निकलने वाले आवश्यक तेल (Essential Oils) की बाजार में अच्छी माँग भी है...

Read More: Gaon Connection

Nourishing Roots, Building Dreams: CSIR-IHBT Brings Science to Odisha Village

CSIR-IHBT 17th March, 2026

It was a day of new beginnings for Kusunpur Village in Kendrapara, Odisha, as the CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT) joined hands with the local community to launch the CSIR Smart Village Mission activities in the region—a small step with a big dream, inspired by the Hon'ble Prime Minister's vision of a "Viksit Bharat" (Developed India).

Led by the warm presence of Sh. Raghuram R. Iyer, Collector and District Magistrate, the inauguration wasn't just a formal event; it felt like a gathering of purpose. The village square turned into a vibrant exhibition of possibilities, where science met tradition. CSIR-IHBT brought along innovations straight from the lab to the heart of the village—fortified foods designed to fight malnutrition, beautiful floral artefacts, handcrafted treasures, and an array of apiculture products like honey, bee pollen, and other value-added delights.

But the real highlight of the day? The smiles on the faces of the women of Kusunpur. In a heartwarming moment, dignitaries distributed POSHAN Maitree kits…

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Sugar Metabolism Drives Fungal Morphogenesis and Virulence

What was the core problem you aimed to solve with this research?

The core problem we addressed was the lack of understanding regarding the metabolic determinants of fungal morphogenesis; while the genetic "blueprints" for fungal morphogenesis were well-mapped, the specific metabolic regulators required for these transitions remained a mystery. We aimed to identify the metabolic triggers that allow fungi to undergo morphogenesis and establish infections. We demonstrated that glycolysis (the primary metabolic pathway that breaks down sugar) is critical for fungal morphogenesis and uncovered a previously unknown coupling between glycolytic flux and the de novo biosynthesis of sulfur-containing amino acids. By identifying this metabolic dependency, we solved the puzzle of how central carbon metabolism acts as a primary signal to drive morphological transitions in fungi which in turn is critical for its virulence within a host.

How did you go about solving this problem?

To address this knowledge gap, we employed a multidisciplinary approach using two fungal species, Saccharomyces cerevisiae and Candida albicans, to systematically map the functional interface between central carbon metabolism and fungal morphogenesis…

Read More: Bio Patrika

CSIR-IMMT researchers develop eco-friendly brick which can withstand high temperatures

CSIR-IMMT 18th March, 2026

Researchers from CSIR-Institute of Minerals and Materials Technology (IMMT) in Bhubaneswar developed innovative refractory bricks using bauxite mineral waste, offering a sustainable solution to industrial waste management.

The researchers said these environment-friendly bricks can withstand extremely high temperatures, making them ideal for use in a wide-range of industrial applications. They said, “Every year, hundreds of billions of tonne of mining waste are generated worldwide, making it one of the largest waste streams globally. In India, the problem is particularly significant in mineral-rich regions such as Odisha, Jharkhand, Chhattisgarh and Goa, where mining activities generate substantial amounts of residual material.”

The Bauxite mining waste is also among these mining waste which is an environmental challenge, contributing to air pollution and increased acidity in nearby water bodies. “This breakthrough will not only reduce mining waste, but also provides a cost-effective alternative for industrial applications,” the researchers said. According to IMMT officials, these innovative bricks can be used for several industrial purposes includingin coke oven, glass industry and kiln roof…

Read More: New Indian Express

NRDC Signs License Agreements with Aashdit Nutritech to Commercialize Moringa-Based CSIR-CFTRI Technologies

CSIR-CFTRI 18th March, 2026

In a significant step towards promoting nutrition-focused innovation, the National Research Development Corporation (NRDC) has signed license agreements with M/s Aashdit Nutritech Pvt. Ltd. (ANPL), Bhubaneswar, to commercialize three Moringa-based technologies developed by CSIR–Central Food Technological Research Institute (CFTRI), Mysuru.

The agreements were formalized in the presence of Commodore Amit Rastogi (Retd), CMD, NRDC, and Ms. Surekha Routray, Co-Founder & MD, ANPL, marking a milestone in bridging scientific research and industry application.

Moringa-Based Technologies Licensed

Under the agreement, ANPL will leverage CSIR-CFTRI's research to develop and market the following products:

Low-Fat Expanded Green Snack using Moringa – a healthier, nutrient-rich snack option
Chikki with Moringa – traditional Indian sweet fortified with Moringa nutrients
Instant Products from Moringa Leaves – convenient, ready-to-use nutritious food items
This initiative enables ANPL to bring innovative, health-oriented products to consumers, while ensuring that advanced research…

Read More: Indian Master Minds

CSIR-NEERI's Dhyani 1st Indian Woman To Join Global Biodiversity Panel

CSIR-NEERI 18th March, 2026

Noted scientist Shalini Dhyani has been elected to the Multidisciplinary Expert Panel (MEP) of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), a key global body guiding biodiversity policies.

Known for her research spanning over two decades on conservation of forest ecosystems, Dhyani was elected during the 12th IPBES Plenary held in Manchester in February 2026, becoming the first Indian woman to join the panel. Dhyani, head of the Centre for Ecological Systems and Resilience Design at CSIR-National Environmental Engineering Research Institute (NEERI), said that India's voice is vital in shaping global environmental negotiations, particularly as a representative of the Global South.

With its vast ecological diversity, ranging from 16 major forest types to hundreds of sub-types, India offers unique insights into balancing conservation with development, she said. "What works in the Global North may not always be feasible here. Bridging that gap is essential," Dhyani…

Read More: Times of India

Inaugural meeting of RICH-NE consortium held to boost research and innovation in Northeast

CSIR-NEIST

18th March, 2026

The inaugural brainstorming and launch meeting of the 'Research and Innovation Consortium Hive of NE India' (RICH-NE) was held at CSIR-North East Institute of Science and Technology (CSIR-NEIST) in Assam's Jorhat on March 17.

The meeting brought together directors, vice-chancellors, heads of the institutions, and their representatives from over 15 academic, research, and state government organizations of North East India.

Participating institutions included CSIR-NEIST, Jorhat; National Institute of Pharmaceutical Education and Research, Guwahati (NIPER-G); Arunachal Pradesh State Council for Science and Technology, Itanagar (APSCST); Nagaland University, Lumami (NU); North-Eastern Hill University, Shillong (NEHU); North East Centre for Technology Application and Research, Shillong (DST-NECTAR); Assam Veterinary and Fishery University, Khanapara (AVFU); Cotton University, Guwahati (CU): Institute of Bioresources and Sustainable Development, Imphal (BRIC-IBSD); ICAR-National Research Centre on Pig, Guwahati (ICAR-NRCP)…

Read More: NE News

CSIR-IIIM Jammu concludes 3-day HPLC training programme

CSIR-IIIM 18th March, 2026

The CSIR-Indian Institute of Integrative Medicine successfully concluded its three-day hands-on training programme on High Performance Liquid Chromatography (HPLC) on Wednesday, aimed at strengthening scientific skills and practical expertise among researchers, scholars and students.

Organised under the CSIR Integrated Skill Initiative, the programme witnessed enthusiastic participation from premier institutions across Jammu and Kashmir and other parts of the country, including AIIMS, SKUAST, Central University of Jammu and BGSBU, among others.

The training, which began earlier this week, focused on bridging the gap between theoretical knowledge and practical application of HPLC—an essential analytical technique widely used in pharmaceutical research, natural product chemistry and quality control of medicinal formulations

During the valedictory session, Director Dr. Zabeer Ahmed expressed …

Read More: Jammu Links News

CSIR-NGRI, SRI partner to roll out geothermal pilot projects nationwide

CSIR-NGRI 18th March, 2026

The CSIR-National Geophysical Research Institute (CSIR-NGRI), Hyderabad, signed a Memorandum of Understanding (MoU) with the Shri Ram Institute for Industrial Research (SRI), New Delhi, on March 12, 2026, to advance geothermal energy research in India.

The agreement was signed by Director Prakash Kumar of CSIR-NGRI and Director Mukul Das of SRI in the presence of senior scientists and officials from both institutions.

Focus on pilot projects and technology development

The MoU aims to promote joint research and development in geothermal energy. The collaboration will focus on designing and implementing pilot plants at identified geothermal sites across the country.

Both institutions will work on mutually identified thrust areas. The objective is to demonstrate viable geothermal energy utilisation and develop sustainable, indigenous technologies in the sector….

Read More: Hyderabad Mail

CSIR-IICT partners with 2 Degrees Clicon to convert plastic waste into fuel

CSIR-IICT

18th March, 2026

Premier chemical research facility from Hyderabad, Indian Institute of Chemical Technology (IICT) has entered into a partnership with 2 Degrees Clicon Pvt Ltd to scale up technology that converts non-recyclable plastic waste into high-value industrial fuels.Plastic waste solutions

The collaboration, formalised through a Memorandum of Understanding (MoU), specifically targets the multi-layered packaging used in FMCG products like snack packets and sachets. Traditionally, such composites are difficult to recycle due to their complex structure, often ending up in landfills or being disposed of through toxic open-air burning.

Leveraging CSIR-IICT's decades of expertise in thermochemical conversion, the partnership aims to transform such plastic into Alternate Diesel Fuel (ADF) and Petro Polymer Fuel (PPF)…

Read More: Telangana Today

Urban wastewater teems with hidden antibiotic resistance genes

CSIR-CCMB

19th March, 2026

Wastewater flowing through India's largest cities carries a vast and dynamic reservoir of antimicrobial resistance (AMR), much of it embedded in previously uncharacterised microbes, a large metagenomic study shows1.

Researchers from the CSIR–Centre for Cellular and Molecular Biology, the CSIR–National Environmental Engineering Research Institute and collaborating institutes analysed 447 wastewater samples collected over two years (2022–2024) from 19 sites across four metropolitan cities. Using shotgun metagenomics, they mapped microbial communities, resistance genes and mobile genetic elements at unprecedented scale.

Microbial compositions differed markedly between cities, reflecting local environmental and human influences. However, patterns of resistance genes were more uniform, suggesting widespread dissemination across urban centres. A striking 53–70% of reconstructed microbial genomes were potentially novel, pointing to a large, unexplored reservoir of environmental bacteria.

The study identified abundant resistance genes against commonly used antibiotics such as tetracyclines and beta-lactams. Many of these genes were closely associated with mobile genetic elements — DNA segments that can move between organisms…

Read More: Nature

TIU Signs Strategic MoU with CSIR-CMERI to Drive Future-Ready Research and Learning

CSIR-CMERI

20th March, 2026

In a significant stride toward advancing research and academic excellence, Techno India University West Bengal has signed its first-ever Memorandum of Understanding (MoU) with a premier Government of India research institution, CSIR–Central Mechanical Engineering Research Institute. The MoU, formalized on 18th March 2026, represents a major milestone in strengthening industry–academia collaboration and fostering innovation-driven education.

This partnership opens up a wide array of opportunities for students and researchers alike. One of the key highlights includes internship and project opportunities for pre-final and final year students from Mechanical, Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), and Electrical disciplines. These initiatives are expected to bridge the gap between theoretical learning and practical application, equipping students with real-world experience in cutting-edge domains.

The collaboration also emphasizes academic research through joint PhD guidance, enabling scholars to benefit from the expertise of faculty members from both institutions, along with access to advanced laboratory facilities at CMERI. This move is poised to significantly enhance the quality and scope of doctoral research…

Read More: Techno Times

New study on marine macroalgal DNA barcoding in India shows a bias towards commercial varieties

CSIR-CSMCRI

20th March, 2026

Seaweeds, or marine macroalgae, are a cornerstone of ocean ecosystems and a multi-billion-dollar global industry, providing essential raw materials for pharmaceuticals, food, and everyday commodity products like agar and carrageenan. India, with its sweeping 11,099-kilometre coastline, is home to a remarkably rich and diverse array of these marine plants. However, properly identifying seaweed species is notoriously difficult.

Seaweeds exhibit incredibly high phenotypic and reproductive plasticity, meaning their physical appearance can change drastically based on their environment, age, and reproductive life stage. This morphological shapeshifting routinely confuses even expert taxonomists. To overcome the limitations of traditional visual identification, scientists use DNA barcoding, which analyses short, standardised segments of an organism's DNA, such as the rbcL or ITS genes, to accurately identify it, entirely independent of its physical form.

To understand the current state of DNA barcoding for Indian seaweeds, researchers at CSIR-Central Salt and Marine Chemicals Research Institute and the Academy of Scientific and Innovative Research (AcSIR) undertook a rigorous digital investigation. They methodically extracted sequence data from the global GenBank database…

Read More: Research Matters

Andhra Pradesh clears Rs 59.85 crore for five CBG plants to boost waste-to-energy push

CSIR-IICT

22nd March, 2026

In a significant step towards strengthening sustainable urban waste management and promoting clean energy generation, the Government of Andhra Pradesh has accorded administrative sanction for Rs 59.85 crore for the establishment of five Compressed Bio Gas (CBG) plants across key Urban Local Bodies (ULBs) in the State.

The sanction, issued through an order, aims to operationalise municipal solid waste (MSW)-based bio-energy infrastructure with a total processing capacity of 125 tonnes per day (TPD). The proposed projects will be taken up in Rajamahendravaram, Nellore, Guntur and Ongole, along with the revival and upgradation of an existing plant in Vijayawada.

Each of the four new plants will have a capacity of 25 TPD, while the Vijayawada facility will also be upgraded to handle 25 TPD. The initiative is being implemented with technical consultancy support from CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, following the State's decision to shift strategy after lack of response to earlier PPP tenders.

The revised project framework aligns with updated Government of India cost norms, under which the cost of a 100 TPD CBG plant has been enhanced …

Read More: New Indian Express

Chennai CSIR Solution: Drive across city's bridges to soon be jerk-free

CSIR-SERC

23rd March, 2026

A new technology developed by scientists at the CSIR-Structural Engineering Research Centre in Chennai is set to eliminate the usual noise and jerks experienced by motorists while driving on overbridges.

The innovation enables the construction of bridges without conventional iron road joints, ensuring smoother travel and reduced maintenance costs.

The technology has been developed using cement composites, a specially designed cement-based material that removes the need for traditional expansion joints.

Bridges are typically built with expansion joints, which are small gaps fitted with metal components to allow the concrete structure to expand due to temperature changes. When vehicles pass over these joints, motorists often experience a slight jolt accompanied by noise.

Apart from affecting driving comfort, these expansion joints pose long-term maintenance challenges. Over time, debris and dirt accumulate in the gaps, affecting their functionality…

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एंडोफाइटिक बैक्टीरिया पौधों की वृद्धि और औषधीय गुणों के असली हीरो: CSIR-CIMAP के रिसर्च में हुआ असली खुलासा

CSIR-CIMAP

24th March, 2026

औषधीय पौधों की गुणवत्ता बढ़ाने और उन्हें पूरी तरह प्राकृतिक रूप से विकसित करने को लेकर सीएसआईआर-सीमैप की शोधार्थी डॉ. आकांक्षा सिंह के नेतृत्व में महत्वपूर्ण शोध किया गया है। इस शोध में एंडोफाइटिक बैक्टीरिया की भूमिका को प्रमुख रूप से सामने लाया गया है, जो पौधों में औषधीय गुणों के विकास और वृद्धि में सहायक होते हैं। वैज्ञानिकों का मानना है कि इन बैक्टीरिया को बढ़ाकर पौधों की गुणवत्ता और उत्पादन दोनों को बेहतर किया जा सकता है।

शोध के दौरान औषधीय पौधे एंड्रोग्रैफिस पैनिकुलाटा (कालमेघ) से प्राप्त एंडोफाइटिक बैक्टीरिया माइक्रोकोकस के जीनोम का पहली बार विस्तृत विश्लेषण किया गया। अध्ययन में पाया गया कि माइक्रोकोकस लूटियस एएसडी6 का जीनोम लगभग 2.36 मेगाबेस का है, जिसमें 73 प्रतिशत जीसी कंटेंट मौजूद है। वैज्ञानिकों ने 2,290 प्रोटीन-कोडिंग जीनों की पहचान की, जिनमें से अधिकांश पौधों की वृद्धि और विकास से जुड़े हैं। इन जीनों में फॉस्फेट घुलनशीलता, नाइट्रोजन स्थिरीकरण और इंडोल-3-एसिटिक एसिड, साइडरोफोर्स तथा एसीसी डिअमिनेज जैसे फाइटोहॉर्मोन के उत्पादन से जुड़े जीन शामिल हैं।

शोध में यह भी पाया गया कि इस बैक्टीरिया में रिएक्टिव ऑक्सीजन प्रजातियों को नियंत्रित करने वाले एंजाइम, हीट शॉक और कोल्ड शॉक प्रोटीन से संबंधित जीन...

Read More: Amrit Vichar

एक्सीडेंट्स में नहीं होगी मौत! AMPRI की खास रिसर्च, मेटल फोम से बनेंगे वाहनों के बंपर

गाड़ियों में लगने वाले डिजाइनदार बंपर अब सजावट का सामान भर नहीं होगा, बल्कि सड़क दुर्घटनाओं में यह अंदर बैठे लोगों को खरोंच भी नहीं आने देगा. चार पहिया वाहनों की दुर्घटनाओं में होने वाले नुकसान को कम करने में एक खास फोम से बनने वाला बंपर बड़ा मददगार बनेगा. एडवांस मटेरियल एंड प्रोसेस रिसर्च इंस्टीट्यूट (एम्प्री) के वैज्ञानिक ऐसे हादसों में जनहानि को रोकने लिए खास तरह के फोम से गाड़ियों के बंपर को तैयार कर रहे हैं.

एम्प्री द्वारा तैयार इस मेटल फोम का उपयोग कर डीआरडीओ कानपुर द्वारा सेना के जवानों के लिए खास तरह को जूते भी तैयार किए हैं.

इस तरह काम करेगा फोम

एम्प्री के प्रिंसिपल इंवेस्टीगेटर डॉ. वैंकट चिल्ला समझाते हैं कि "सोफे और बैड को आरामदायक बनाने के लिए पॉली यूरिटन फोम का उपयोग होता है, ताकि इस पर बैठने पर यह आरामदायक महसूस हो. इसी तरह से हमने एल्युमीनियम मेटल फोम तैयार किया है. इसकी खासियत यह होती है कि यह शॉक प्रूफ होता है. सबसे पहले इसको सेना के जवानों के जूतों के लिए तैयार किया गया...

Read More: ETV Bharat

Dust-free design plan for 15 Gurgaon roads: SPA & CSIR-CRRI to come up with designs after GMDA lists stretches

CSIR-CRRI 24th March, 2026

Road dust remains one of the most persistent contributors to air pollution in the region. Now, GMDA will identify 15 key roads across the city for redevelopment.

Making them dust-free and sustainable corridors is part of an effort to curb air pollution in line with directions issued by the Commission for Air Quality Management (CAQM).

Once shortlisted, these stretches will be redesigned by the School of Planning and Architecture (SPA) and CSIR-Central Road Research Institute (CSIR-CRRI). The redesign will focus on scientific road engineering practices, including better paving, improved drainage systems, and roadside greening. This comes after the memorandum of understanding (MoU) signed last month between NCR states, SPA, and CSIR-CRRI.

The agreement lays down a standardised framework for urban road development, covering aspects such as road cross-sections, right-of-way (RoW) utilisation, plantation strategies, and long-term maintenance protocols…

Read More: Times of India

CSIR-SERC begins monitoring health of Chennai Metro Rail's composite girder span in corridor 4

CSIR-SERC

24th March, 2026

CSIR– Structural Engineering Research Center (SERC) has deployed a state-of-the-art, real-time structural health monitoring system for a crucial steel composite girder span in Chennai Metro Rail's phase II project stretch near Poonamallee Bypass.

"A total of 15 trigger sensors has been installed on the span to continuously record structural responses or deflections or in common man's parlance, bending of the track, each time a train passes. We have developed a dedicated, secure, web-based real-time monitoring portal at the Structural Health Monitoring Laboratory (SHML) of CSIR-SERC," said a scientist involved in the monitoring. Over the last 14 days, the deflections have been within prescribed limits.

The system continuously tracks structural responses during train operations, with automated trigger mechanisms capturing critical data during train passage. Importantly, the portal is not static—it is being continuously enhanced with advanced data analytics and emerging Artificial Intelligence tools. The structure is being intelligently assessed whereby operational safety is enhanced and predictive and condition-based maintenance is enabled. It will minimise uncertainties and allow for timely interventions, thereby improving the reliability …

Read More: The Hindu

CSIR & Ministry of External Affairs Jointly Hosted Ambassadors from Global South for “Capabilities Discovery Session” in New Delhi

CSIR

24th March, 2026

The Council of Scientific and Industrial Research (CSIR) and Ministry of External Affairs (MEA), Government of India (GoI) jointly hosted Ambassadors and High Commissioners from countries of the Global South for a high-level “Capabilities Discovery Session” at India International Centre, New Delhi. The diplomats, representing nations from Oceania, the Gulf, West Asia and North Africa, Central America and the Caribbean, participated in the session.

The session was jointly led by Dr Neena Malhotra, Secretary (South), Ministry of External Affairs, GoI and Dr N. Kalaiselvi, Director General, CSIR & Secretary, Department of Scientific and Industrial Research (DSIR), GoI.

The session aimed to strengthen South–South cooperation through science, technology and innovation (STI), aligned with global priorities, including sustainable development, climate action, health equity, food and water security, resilient infrastructure…

Read More: PIB

Blockchain For Impact partners with CSIR- National Chemical Laboratory and IISER in Pune

CSIR-NCL

24th March, 2026

A new partnership has been announced between Blockchain for Impact (BFI) and CSIR- National Chemical Laboratory (NCL), aimed at accelerating translational biomedical research and enabling healthcare impact. At its core, this collaboration is about moving promising science beyond the lab, into pathways that can shape better diagnostics, therapies, and patient outcomes.

The projects being supported under this partnership are geared toward addressing critical disease areas:

- Glioblastoma, through innovative metabolic modulation strategies
- Sickle cell anemia, via next-generation hemoglobin modulators
- Heart failure and osteoarthritis, through development of a biosimilar

By enabling research and facilitating its journey toward application, this partnership seeks to build stronger innovation pipelines within India's biomedical ecosystem…

Read More: Bio Spectrum India

Seaweed Cultivation to be Promoted in Seven Mandals in Konaseema

CSIR-CSMCRI

24th March, 2026

Seaweed cultivation will be promoted in seven mandals of Dr B.R. Ambedkar Konaseema district, with plans to cover five villages in each mandal and organise them into 20 clusters, district joint collector T. Nishanthi said on Tuesday. At a workshop on seaweed culture held in Amalapuram, she directed SERP and Fisheries department officials to prepare detailed project reports in consultation with experts.

Nishanthi said the initiative would focus on value-added products and help strengthen self-help groups (SHGs). She noted that 12 such units are already being run by SHGs and instructed officials to prepare an action plan to establish 20 more units with a minimum investment of ₹15 lakh each in coastal areas. She said seaweed cultivation does not require fertilisers or pesticides and can be harvested within 45 days, making it suitable for coastal regions. She added that higher returns can be achieved through processing rather than direct sale…

Read More: Deccan Chronicle

Mudumal Menhirs Excavations to Aid UNESCO Bid

CSIR-NGRI, CSIR-CCMB

25th March, 2026

The department of heritage will begin excavations at the Mudumal Menhirs, a Megalithic site in Narayanpet district, in the second week of April, following approval from the Archaeological Survey of India. The site is already on UNESCO's tentative list, and officials believe the excavation will provide crucial scientific evidence to establish its outstanding universal value, a requirement for final UNESCO recognition.

The department has sought ₹50 lakh from the state government to fund the project. Experts from the department, along with scientists from the National Geophysical Research Institute (NGRI), will lead the work. NGRI will assist with documentation and thermoluminescence dating, while CCMB Hyderabad and the Birbal Sahni Institute of Paleobotany, Lucknow, will conduct DNA tests. Samples for carbon dating and metal analysis will be sent to Beta Labs in the USA, excavation director P. Nagaraju …

Read More: Deccan Chronicle

Integrating Industrial Waste into Road Construction is Key to India's Circular Economy Vision - Dr. N. Kalaiselvi

CSIR-CRRI

26th March, 2026

In a significant step towards sustainable infrastructure and circular economy practices, CSIR-Central Road Research Institute (CSIR-CRRI) is spearheading efforts for the effective utilization of Waste Foundry Sand (WFS) in road construction.

To advance this initiative, the Institute of Indian Foundrymen (IIF) has entered into a collaborative Research & Development (R&D) agreement with CSIR-CRRI and Suyog Elements at CSIR Science Centre New-Delhi, under the gracious presence of Secretary DSIR and Director General CSIR, Dr. N.Kalaiselvi . The partnership aims to develop and facilitate innovative, sustainable, and scalable solutions for the utilization of the WFS of Coimbatore Cluster in road infrastructure.

Exchange of MOA between the CSIR-CRRI, IIF and Suyog Elements India Pvt. Ltd.

During this event, while addressing the gathering, Dr. Kalaiselvi informed that…

Read More: PIB

Bioinnovate-2026 Kicks Off At CSIR-IIIM, Potential Startup Received Seed Funding

CSIR-IIIM

26th March, 2026

The two-day flagship event "Bioinnovate-2026" commenced at the CSIR–Indian Institute of Integrative Medicine (IIIM), Sanat Nagar, bringing together startups, innovators, researchers, industry experts, and key stakeholders from the bioinnovation ecosystem in a vibrant display of innovation and collaboration.

Dr. Zabeer Ahmed, Chairman AIC-IIIM and Director of CSIR-IIIM, inaugurated the event and underscored the institute's commitment to fostering a robust culture of innovation and entrepreneurship in the region.

On the ocasion, seed fund cheques were distributed to several startups incubated under AIC-IIIM, reinforcing the Centre's commitment to supporting early-stage ventures.

He emphasized the importance of nurturing startups and translating research into impactful, market-ready solutions…

Read More: Daily Excelsior

Simon India partners CSIR-NML to unlock rare earth extraction from industrial waste

CSIR-NML

26th March, 2026

Simon India Limited has entered into a Memorandum of Understanding with CSIR-National Metallurgical Laboratory to develop and commercialise technologies for extracting rare earth elements from industrial waste streams.

The collaboration is aimed at bridging the gap between laboratory-scale innovation and industrial deployment, with a focus on advancing technologies from pilot validation stages to full-scale implementation. The partnership combines CSIR-NML's research capabilities with Simon India's engineering, procurement and construction management expertise.

Focus on indigenous rare earth capability

Rare earth elements are critical inputs for sectors such as clean energy, electronics, mobility and advanced manufacturing. However, global supply remains concentrated, creating supply chain risks and strategic dependencies…

Read More: Manufacturing Today India

India to scale up critical mineral exploration and build strong domestic value chains to reduce import dependence and meet strategic needs: Dr. Jitendra Singh

CSIR-IMMT

26th March, 2026

"India is in the process of scaling up exploration of critical minerals, creating a startup-driven mining ecosystem and building strong domestic value chains to reduce import dependence," said Union Minister Dr Jitendra Singh.

Addressing the Governing Body meeting of the "National Mineral Exploration and Development Trust" (NMET), held at GPOA Complex, Dr Jitendra Singh set out key priorities to accelerate exploration, strengthen domestic capacity and expand participation in the critical minerals sector.

The meeting was co-chaired by Union Minister of Coal and Mines & Chairman, Governing Body, National Mineral Exploration and Development Trust, Shri G. Kishan Reddy and attended by senior officials of the Ministry of Mines, Director of CSIR–Institute of Minerals & Materials Technology (CSIR–IMMT), Director of the Atomic Minerals …

Read More: PIB

CSIR-IICT scientists turn ‘unrecyclable’ snack wrappers into fuel, plastics and hydrogen

CSIR-IICT

26th March, 2026

Few people think twice before tossing an empty chips packet or snack wrapper into a rubbish bin at a canteen, cinema hall, or cricket stadium. Millions of such multilayer plastic wrappers, long considered unrecyclable, end up in landfills, are burnt, releasing toxic fumes or are washed into rivers and lakes.

The problem lies in their composition. Unlike glass or single-layer plastics, multilayer wrappers cannot decompose in soil or be easily melted down and reused. Now, scientists at the CSIR-Indian Institute of Chemical Technology (CSIR-IICT) in Hyderabad claim to have found a solution to a problem that has stumped the recycling world for decades: converting Fast Moving Consumer Goods …

Read More: The Hindu

QPlane eVTOL Explained: How CSIR-NAL's Innovation is Powering India's Drone Future

CSIR-NAL 26th March, 2026

The CSIR-NAL QPlane eVTOL technology transfer marks a major step in India's push for self-reliance in aerospace and drone technology. CSIR-National Aerospace Laboratories (CSIR-NAL) has officially handed over the technology of its indigenously developed QPlane eVTOL drone to Chennai-based KRR Aerospace for mass production.

This development is aligned with the government's Make in India and Atmanirbhar Bharat initiatives. The move is expected to accelerate domestic drone manufacturing, reduce dependence on imports, and expand applications across defence, agriculture, and logistics sectors.

What is the QPlane eVTOL Drone

The QPlane is an advanced all-electric Vertical Take-Off and Landing (eVTOL) unmanned aerial vehicle (UAV) developed by CSIR-NAL…

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CSIR-IITR की रिपोर्ट में चौंका चौं ने वाला खुलासा, वाराणसी, उन्नाव, अमरोहा समेत पूर्वी यूपी के पानी में मिला यूरेनियम

CSIR-IITR

26th March, 2026

यूपी में भूजल की गुणवत्ता पर CSIR-IITR की रिपोर्ट में चौंकाने वाले ताजा आंकड़े गंभीर चेतावनी दे रहे हैं। प्रदेश के कई जिलों में पीने के पानी में फ्लोराइड, आर्सेनिक, नाइट्रेट और यहां तक कि यूरेनियम (Uranium) जैसे तत्व निर्धारित मानकों सेअधिक पाए गए हैं।

वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद (CSIR) और भारतीय विष विज्ञान संस्थान अनुसंधान (IITR) की रिपोर्ट के अनुसार, अलीगढ़ सहित 11 जिलों में लवणता, 24 जिलों में फ्लोराइड और 14 जिलों में आर्सेनिक की मात्रा मानक सेअधिक दर्ज की गई है।

वाराणसी, सोनभद्र, अमरोहा और उन्नाव समेत 22 जिलों में यूरेनियम के अंश मिलने से स्थिति और हो गई गंभीर वहीं वाराणसी, सोनभद्र, अमरोहा और उन्नाव समेत 22 जिलों मेंयूरेनियम (Uranium) के अंश मिलनेसेस्थिति और गंभीर हो गई है। रिपोर्ट बताती है कि 48 जिलों मेंनाइट्रेट और 46 जिलों मेंआयरन की अधिकता दर्ज की गई है, जबकि 26 जिलों में मैगनीज भी मानक से ऊपर...

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अब सड़कें बनेंगी लोहालाट, आप कहेंगे ये टूटती क्यों नहीं है? सीआरआआई ने खोजी नई तकनीक

बारिश के दौरान सड़कें टूटने या उस दौरान मरम्मत नहीं होने की एक बड़ी समस्या आती है. इस परेशानी से निजात दिलाने के लिए सीएसआईआर-सीआरआरआई ने एक नई तकनीक विकसित की है, जिसमें उद्योगों निकलने वाली रेत (फाउंड्री सैंड) से सड़क का निर्माण किया जा सकेगा. अभी तक को कचरा माना जाता था. इसके लिए सीआरआरआई और इंस्टीट्यूट आफ इंडिया फाउंड्रीमेन व सुयोग इलेमेंट्स इंडिया के साथ समझौता हुआ है, जिससे देशभर में बड़े रूप में इंफ्रास्ट्रक्चर में इसका इस्तेमाल किया जा सके. खास बात यह है कि इस सामग्री से बनी सड़कें सामान्य बिटुमिन वाली सड़कों की तुलना में अधिक मजबूत और टिकाऊ होंगी.

सीएसआईआर की महानिदेशक डा. एन कलाईसेल्वी ने कहा कि औद्योगिक कचरे का सड़क निर्माण में इस्तेमाल भारत की सर्कुलर इकोनॉमी के विजन की में अहम है. उन्होंने बताया कि इस तरह की पहल से कचरे को उपयोगी बनाया सकता है...

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CSIR-IIIM concludes training on processing of medicinal, aromatic plants

CSIR-IIIM 29th March, 2026

The CSIR–Indian Institute of Integrative Medicine on Saturday concluded a three-day hands-on training programme on downstream processing of medicinal and aromatic plants (MAPs), aimed at building technical skills in extraction and quality analysis.

Organised under the CSIR-Integrated Skill Initiatives, the programme brought together 20 participants from across the country, reflecting the growing demand for industry-oriented training in natural product processing and analytical techniques.

Director CSIR-IIIM, Dr. Zabeer Ahmed, who was the chief guest at the valedictory session, distributed certificates to participants and highlighted the importance of downstream processing in converting biodiversity into market-ready products. He stressed that extraction technologies and chromatographic techniques such as Gas Chromatography …

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India's Dhala impact crater reveals how meteorite shocks could wipe magnetic signatures

CSIR-NGRI

30th March, 2026

Scientists might have found an answer to a long-standing puzzle about why the rocks around massive meteorite craters often lose their magnetic properties. By examining the ancient Dhala impact structure in Madhya Pradesh, the team discovered that the sheer force of a meteorite's shockwave physically shatters the internal compasses of atoms that make the rocks, erasing their magnetic memories. The new study, conducted by researchers from the Indian Institute of Technology (IIT) Kanpur, Savitribai Phule Pune University and CSIR-National Geophysical Research Institute, could help explain mysterious magnetic dead zones around impact craters observed not only on Earth but also around colossal craters on Mars.

The researchers studied the 2.5-billion-year-old Dhala crater, collecting samples of three distinct rock types: untouched impact rocks, violently shattered rocks called monomict breccia, and rocks that completely melted during the cosmic strike. Back in the laboratory, they subjected these cylindrical rock samples to microscopic scrutiny, heating cycles, and magnetic …

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How Hyderabad is using garbage to provide breakfast to people

CSIR-IICT

30th March, 2026

From north to south and east to west, garbage is a major problem on the streets, causing bad odors, unhygienic environments, and discomfort to people. But in a city within India, garbage is not a problem but a solution for hundreds of people, as it helps them run shops and, most importantly, feeds over 600 people daily.

Wondering where and how? Scroll down to read the details. In Hyderabad's Bowenpally market, garbage is not a problem but a resource for generating electricity and fuel. It is reported that this market turns waste into real impact, electricity, biogas, and fertilizer, powering shops and feeding 600 people daily. The Better India also reports that this market aids in plastic recycling and even solar cycling tracks.

According to reports, around 10 tons of fruit and vegetable waste are collected and sent to a biofuel plant. There, the waste is treated …

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Integrated Zero-Waste Technology Framework at RGIPT

CSIR-CMERI

30th March, 2026

Transforming waste into valuable resources is no longer a conceptual aspiration but a practical reality at the Rajiv Gandhi Institute of Petroleum Technology (RGIPT). The institute has emerged as a pioneering model for integrated waste management and circular economy implementation, where multiple waste streams are systematically converted into energy, materials, and reusable resources. This transformation has been driven by the vision and leadership of Prof. Harish Hirani, whose extensive experience in sustainable technologies and large-scale waste management has enabled the development of a campus-wide, practice-oriented ecosystem. Building upon his earlier contributions at CSIR-CMERI, the initiatives at RGIPT demonstrate how academic institutions can evolve into living laboratories, seamlessly integrating research, technology deployment, and real-world applications in sustainability.

A central pillar of this transformation is the development of an integrated zero-waste ecosystem at RGIPT, designed around a closed-loop resource recovery approach…

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CSIR- CFTRI Department of Traditional Foods & Applied Nutrition provides insights in product development

CSIR-CFTRI 30th March, 2026

CSIR-CFTRI (Council of Scientific and Industrial Research-Centre for Technology Research Institute), Mysuru, Department of Traditional Foods and Applied Nutrition provides insights in product development.

At a recently held symposium on 'Insights in Food Product Development' was a deliberation by experts on emerging trends and challenges in the development of nutritious, consumer-oriented food products.

Here Prof. Jamuna Prakash, Retired Professor, University of Mysuru, gave 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…

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CSIR Transfers Indigenous Bio-Bitumen Technology: Turning Farm Residue into Sustainable Roads

CSIR-CRRI, CSIR-IIP

26th March, 2026

In a significant step towards sustainable and circular infrastructure development, the Council of Scientific and Industrial Research (CSIR) today organised a Technology Transfer Event for its innovative technology titled "Bio-Bitumen from Lignocellulosic Biomass – From Farm Residue to Roads" for large-scale industry adoption in New Delhi.

The event was attended by Union Minister Shri Shivraj Singh Chouhan; Union Minister of State (Independent Charge) for Science & Technology and Earth Sciences, Dr. Jitendra Singh; Director General, CSIR & Secretary, DSIR, Dr. N. Kalaiselvi, along with senior officials from Ministries, CSIR institutes, industry stakeholders, and policymakers.

Speaking on this occasion, Union Minister for Agriculture & Farmers' Welfare and Rural Development, Shri Shivraj Singh Chouhan described the development of bio-bitumen technology as a "historic and transformative step" that connects agriculture with infrastructure and innovation. Shri Shivraj Singh Chouhan added that the adoption of bio-bitumen…

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