



सीएसआईआर  
CSIR  
भारत का नवाचार इंजन  
*The Innovation Engine of India*

## News Bulletin 01 To 15 July 2026



# CSIR in Media

# Ancient cave skeletal remains throw light on Ladakh's role as crossroads of migration

CSIR-CCMB

26<sup>th</sup> June, 2026

Skeletal remains recovered from a cave in Ladakh have yielded the first ancient DNA evidence of the varied populations that moved through the high-altitude region during the Middle Ages, revealing maternal genetic links to East Asia, Central Asia and South Asia.

Scientists from city-based Centre for Cellular and Molecular Biology (CCMB), Birbal Sahni Institute of Palaeosciences, Lucknow along with researchers from institutions across the country and Archaeological Survey of India, reconstructed six complete mitochondrial genomes from seven skeletal remains found in the Old Lady Spider cave at Chitkan village in Kargil.

Radiocarbon dating placed the individuals between AD 536 and 585. The genetic evidence indicates that most were migrants or had maternal ancestry connected to distant regions, while one individual appeared to have deep local roots...

**Read More:** [Times of India](#)

# AI helps CSIR-IICT scientists spot promising drugs for Monkeypox, LSDV

CSIR-IICT

29<sup>th</sup> June, 2026

Scientists at the CSIR-Indian Institute of Chemical Technology (IICT) have reported a significant advance in computational drug discovery, using artificial intelligence (AI) to identify potential therapies for poxvirus infections, including zoonotic infections like Lumpy Skin Disease Virus (LSDV) and monkeypox.

Lead scientist Ramars Amanchy's lab research specifically focused on LSDV, which severely affects cattle, along with monkeypox (Mpox), which continues to pose a public health concern. These viruses belong to the Poxviridae family, which also includes the deadly variola virus responsible for smallpox, underscoring the importance of preparedness against potential outbreaks...

**Read More:** [The Hindu](#)

# BASF and Pune Knowledge Cluster Mark Four Years of Empowering Women Through WEnyan

CSIR-NCL

29<sup>th</sup> June, 2026



BASF Chemicals India Private Limited (BCIPL), in collaboration with the Pune Knowledge Cluster (PKC) under the Office of the Principal Scientific Adviser (PSA) to the government of India, celebrated the successful completion of four impactful years of the WEnyan (Women in Education and Knowledge) programme. Held at the BASF Innovation Campus, the event marked an important milestone for the research scholarship initiative, which supports women from disadvantaged communities in Maharashtra in pursuing careers in science, technology, engineering and mathematics (STEM). Since its inception, WEnyan has provided financial assistance, mentorship, and community engagement opportunities to women scholars, creating an inclusive ecosystem that encourages academic excellence and scientific research.

## Forty-three Scholars Honoured for Academic Excellence

As part of the celebrations, BASF and PKC felicitated 43 scholars from two graduating cohorts in recognition of their outstanding academic and research achievements. The event also witnessed the release of the WEnyan Compendium...

**Read More:** [Chemindigest](#)

# CSIR-IMTECH scientist honoured with Royal Society of Chemistry Horizon Prize

CSIR-IMTECH

30<sup>th</sup> June, 2026

A senior scientist of the CSIR-Institute of Microbial Technology here has been awarded the prestigious 2026 Horizon Prize by the Royal Society of Chemistry.

The award recognised an international team of scientists for their collaborative efforts to combat two major neglected tropical diseases, leishmaniasis, also known as kala-azar, and Chagas disease, the CSIR-Institute of Microbial Technology (IMTECH) said in a statement on Tuesday.

Together these diseases affect more than 20 million people worldwide, mainly in low and middle-income countries and there are currently no effective vaccines to prevent them, it said.

Dr Pradip Sen of CSIR-IMTECH was part of a global consortium of 51 scientists led by Durham University, UK, that worked together to identify and validate new drug targets that could pave the way for better treatments for leishmaniasis and Chagas disease...

**Read More:** [The Print](#)

# At CSIR-IICT Hyderabad, Dr. Jitendra Singh Lays Foundation Stone for ₹44.46 Crore Hostel, Inaugurates Four Advanced R&D Facilities

CSIR-IICT

30<sup>th</sup> June, 2026

Union Minister of State (Independent Charge) for Science & Technology, Earth Sciences and Minister of State for PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr. Jitendra Singh, today said that stronger partnerships between agricultural research and industry will drive India's next phase of economic growth by creating greater value from scientific innovation.



He said India's agriculture sector continues to offer enormous untapped potential and that, under the leadership of Prime Minister Shri Narendra Modi, the country's scientific priorities have expanded beyond crop improvement to developing technologies that convert agricultural waste and residues into valuable products...

**Read More:** [PIB](#)

# From Apples to Purple Gold: How Kashmir's Lavender revolution is transforming farmers into entrepreneurs

CSIR-IIIM

30<sup>th</sup> June, 2026

For generations, apple orchards have been the backbone of Kashmir's rural economy. But in several villages across Pulwama district, the familiar green landscape is gradually giving way to vibrant purple fields. Farmers who once depended almost entirely on apples are now embracing lavender, a crop that demands less investment, requires minimal maintenance and promises significantly higher

The shift is more than a change in cultivation. It reflects a broader transformation in Kashmir's farming economy, where scientific research, government support and growing demand for aromatic products are helping cultivators build sustainable livelihoods. Often referred to as "purple gold", lavender is opening new opportunities not only in farming but also in processing, value addition and rural entrepreneurship. A new chapter for farmers in Pulwama Nearly 35 kilometres from Srinagar, Bonera ...

**Read More:** [Money Control](#)

# Centre Extends N Kalaiselvi's Tenure As CSIR Director General



CSIR

01<sup>st</sup> July, 2026

The Centre on Wednesday extended the tenure of N Kalaiselvi as Director General, Council of Scientific and Industrial Research (CSIR) till February next year. Kalaiselvi is the first woman to have been appointed to the post.

## Pioneering Leadership In Indian Science

First appointed as the CSIR's chief in August 2022, she was given a two-year extension in July 2024. The Appointments Committee of the Cabinet has approved the extension in tenure of Kalaiselvi as Director General, Council of Scientific and Industrial Research-cum-Secretary, Department of Scientific and Industrial Research (DG, CSIR-cum-Secretary, DSIR), for a period beyond August 7, 2026, till the date of her superannuation, that is, February 28, 2027, an order issued by the Personnel Ministry said...

**Read More:** [Rediff](#)

# CSIR-IIIM receives approval to establish HTA Resource Centre

CSIR-IIIM

02<sup>nd</sup> July, 2026

In a significant milestone for healthcare research and policy innovation, CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, has received approval from the Department of Health Research (DHR), Ministry of Health and Family Welfare (MoHFW), Government of India, for the establishment of a Health Technology Assessment India (HTAIn) Resource Centre for 2026-27.

The approval positions CSIR-IIIM among select institutions supporting India's expanding Health Technology Assessment (HTA) ecosystem aimed at strengthening evidence-based decision-making in public healthcare and improving policy outcomes through scientific evaluation.

The initiative will be led under the guidance of Dr Zabeer Ahmed, Director, CSIR-IIIM, Jammu, with Dr Mir M Asrar, Scientist-C, serving as Principal Investigator for HTAIn activities at the institute...

**Read More:** [Daily Excelsior](#)

# Union Minister Dr Jitendra Singh, Nagaland Minister Push CSIR Aroma Mission for State Farmers

CSIR

02<sup>nd</sup> July, 2026

Minister for Tourism & Higher Education, of Nagaland Temjen Imna Along accompanied by Küzholüzo (Azo) Nienu, Advisor for Science & Technology, Government of Nagaland, called on Union Minister of State (Independent Charge) for Science & Technology, Earth Sciences Dr. Jitendra Singh, to discuss a comprehensive roadmap for expanding lavender related Agri-entrepreneurship in th the State of Nagaland.



Pertinent to mention that the success story of Purple Revolution under Aroma Mission, originating from #Bhaderwah in J&K, has been adopted by the State of Nagaland since 2022, beginning with Lavender cultivation by a StartUp group in the Zunheboto region of the State.

The Nagaland Minister also discussed schemes under the Ministry of Science & Technology to support Universities and Colleges in the State by way of mentorship, financial assistance and infrastructure development...

**Read More:** [NE Broadcast](#)

# CSIR-NIO to review Godavari's embankment safety

CSIR-NIO

03<sup>rd</sup> July, 2026

The National Institute of Oceanography (NIO)-Goa and Water Resources Department of Andhra Pradesh will collectively carry out a scientific study on the threats to flood embankments of river Godavari in Dr. B.R. Ambedkar Konaseema district to strengthen the embankments, preventing any untoward incidents and breach to river during the Godavari floods.

A team from the NIO-Goa, on Friday, held talks with District Collector R. Mahesh Kumar and other officials about the challenges in maintaining the embankments, and existing preparedness measures to prevent the flooding breach...

**Read More:** [The Hindu](#)

# CSIR-SERC and Merlin Automation Solutions Join Hands to Advance 3D Concrete Printing Technology in India

CSIR-SERC

03<sup>rd</sup> July, 2026

The kick-off meeting of the collaborative project between CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, and M/s Merlin Automation Solutions Pvt. Ltd., Chennai, was held on 1st July 2026 at CSIR-SERC, Taramani, Chennai. The collaborative project aims to develop specialized concrete mixes tailored for 3D printing applications and to conduct seismic evaluations of G+1 (ground plus one story) 3D-printed concrete buildings, thereby strengthening the scientific foundation for the safe and wider adoption of 3D concrete printing technology in India. During the meeting, both partners exchanged views and deliberated on the current challenges faced by the concrete 3D printing industry and discussed the way forward for further commercialization of the technology, making it more viable and rewarding for the construction sector.

Speaking on the occasion, Dr. N. Anandavalli, Director, CSIR-SERC, said, "This collaboration reflects CSIR-SERC's commitment to translating cutting-edge research into industry-ready solutions...

**Read More:** [PIB](#)

# CSIR-SERC in collaboration with Quality Council of India (QCI) Conducts NABL Awareness Programme

CSIR-SERC

03<sup>rd</sup> July, 2026

CSIR–Structural Engineering Research Centre (CSIR-SERC), Chennai, conducted a Gunvatta Yatra awareness programme on NABL (National Accreditation Board for Testing and Calibration Laboratories) Accreditation as per ISO/IEC 17025:2017 for testing laboratories on 03 July 2026. The programme was organized as part of the Quality Council of India's (QCI) Gunvatta Yatra initiative, which aims to promote quality awareness and strengthen quality systems across the country.

The programme was inaugurated by Dr. N. Anandavalli, Director, CSIR-SERC, Chennai, and Dr. S. Parivallal, Advisor (Management), CSIR-SERC, Chennai, who graced the occasion as the Chief Guests.

In her inaugural address, Dr. N. Anandavalli emphasized the importance of NABL accreditation in ensuring the technical competence, reliability, and credibility of testing laboratories...

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# Roads softening in Europe? Here's why India's roads cope better with extreme heat

CSIR-CRRI

03<sup>rd</sup> July, 2026

As record-breaking heat waves sweep across Europe, reports of roads softening, deforming and buckling have raised a question: why do roads in India, where summer temperatures routinely cross 45°C, continue to hold up while some European roads begin to fail at temperatures around 30°C?

The answer, experts say, lies not in the weather alone but in how roads are engineered.

According to Ambika Behl, Senior Principal Scientist at the Central Road Research Institute (CRRI), the difference stems from climate-specific engineering, material selection and pavement design standards...

**Read More:** [The Tribune](#)

# CSIR-CIMAP scientists develop new tech: Now, 1-min test to detect adulterated spices, herbs

CSIR-CIMAP

04<sup>th</sup> July, 2026

In a breakthrough for food safety and quality assurance, researchers at the CSIR-Central Institute of Medicinal & Aromatic Plants (CIMAP) have developed a model capable of instantly verifying the authenticity of herbs and spices.

By combining high-tech chemical scanning technology with advanced machine learning, the newly developed system can detect the adulteration of food essentials with other ingredients in under a minute.

CH Ratnashekhar, one of the key scientists on the research, underscored that the research has been conducted on herbs and spices like basil, turmeric and ashwagandha.

“Herbs and spices like basil, turmeric and ashwagandha are used for their medicinal properties. They are an expanding market and expected to expand further till 2030 with India being one of the major players. But because harvesting them is expensive, they have become targets of adulteration — often diluted with various materials, which diminishes their benefits...

**Read More:** [Hindustan Times](#)

# CSIR-NEERI to assist in drafting restoration blueprint for Jojari–Bandi–Luni river system

CSIR-NEERI

04<sup>th</sup> July, 2026

The National Environmental Engineering Research Institute (NEERI) is set to assist in preparing a scientific restoration blueprint for the critically polluted Jojari -Bandi -Luni river system after receiving approval on July 3 from the High-Level Ecosystem Oversight Committee constituted by the Supreme Court.

The decision follows a meeting chaired by the Department of Environment and Climate Change (DoE&CC) on the constitution and operationalisation of a Multi-Disciplinary Expert Assessment Panel for the scientific assessment of environmental issues related to the Pali Common Effluent Treatment Plant (CETP), in compliance with the apex court's directions.

A senior official said the Supreme Court had in Nov 2025 constituted a High-Level Ecosystem Oversight Committee, chaired by a retired high court judge, to oversee restoration efforts. "Approval to appoint NEERI received a nod," the official said, adding that the institute will help prepare the restoration framework for the river system...

**Read More:** [Times of India](#)

# Director CSIR-IIIM Kick-Starts The Season's Lavender Harvest At Bonera Farm

CSIR-IIIM

04<sup>th</sup> July, 2026

In a vibrant celebration of science-led agricultural transformation, Director of CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, Dr. Zabeer Ahmed, formally inaugurated the annual lavender harvest at the Institute's Field Station in Bonera, Pulwama. The vast expanse of blooming purple fields marked the beginning of the 2026 harvesting season and showcased one of India's most successful models of technology-driven cultivation of high-value medicinal and aromatic plants in the Himalayan region.

Over the years, CSIR-IIIM Field Station Bonera has emerged as the premier centre for research, technology validation, demonstration and large-scale dissemination of elite medicinal and aromatic plants suited to the agro-climatic conditions of Jammu & Kashmir. The station has become a vibrant nucleus for innovation in MAPs including Lavender, Rosemary, Clarysage, Damask Rose, Mint, Artemisia, Salvia, Saffron, Olive, Wild Marigold, Tulips, Chrysanthemum, Marigold, Lilium, temperate floricultural and economically important crops, fostering an integrated ecosystem encompassing quality planting material production, advanced agronomic practices, post-harvest technologies, essential oil distillation, value addition and entrepreneurship development...

**Read More:** [Daily Excelsior](#)

# Flying above weather, watching for weeks: How HAPS will strengthen India's armed forces

CSIR-NAL

04<sup>th</sup> July, 2026

The Defence Acquisition Council (DAC), chaired by defence minister Rajnath Singh, has cleared the procurement of High Altitude Pseudo Satellites (HAPS) for the . The move is expected to significantly enhance the armed forces' intelligence, surveillance and reconnaissance capabilities.

HAPS is an Unmanned Aerial Vehicle (UAV) designed to operate at an altitude of around 20 km (65,000 feet). According to the National Aerospace Laboratories (NAL), this altitude is above both commercial airline flight paths and most weather systems. HAPS combines the persistent surveillance capability of a geostationary satellite with the mobility and flexibility of an aircraft, effectively bridging the gap between the two...

**Read More:** [Times of India](#)

# Hyderabad scientists find dengue virus evolving to outsmart conventional mosquito control

CSIR-IICT, CSIR-CCMB

05<sup>th</sup> July, 2026

Ever wondered why the fogging machines and seasonal anti-larval drives of GHMC during monsoons or any other season are no longer enough to contain dengue in Hyderabad? That is because the dengue virus (DENV) has genetically evolved and is now able to modify its own genes and literally hijack the nervous system of *Aedes aegypti* (mosquito), turning it into a 'zombie' carrier.

Groundbreaking molecular research by Hyderabad's Indian Institute of Chemical Technology (CSIR-IICT) and CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB) has indicated that decades of chemical fogging and routine anti-vector measures have inadvertently forced both the vector (*Aedes aegypti* mosquito) and the virus to adapt, keeping them steps ahead of human intervention...

**Read More:** [Telangana Today](#)

# Lavender blooms big in valley of saffron

CSIR-IIIM

05<sup>th</sup> July, 2026

Kashmir, known for apples and saffron, is witnessing the rise of another fragrant treasure—lavender. More and more farmers and entrepreneurs are showing interest in the lavender farming in the cold temperate region.

“Just as apples and saffron have long been synonymous with Kashmir, we want to ensure that in the coming years, the Valley is equally recognised for its thriving lavender cultivation,” floriculturist Abdul Hamid Shah said. “Kashmir’s cold temperature climate offers ideal conditions for lavender farming,” he said. Lavender is now being cultivated in all 10 districts of the Valley, including Pulwama, Kupwara, Shopian, Budgam, Ganderbal and Baramulla. Remarkably, its cultivation has even reached the border areas of Gurez and Uri, close to the LoC in north Kashmir.

Unlike many conventional crops, lavender is a long-term investment. According to Shah, a single plant bears flowers for at least 13 years, needs little maintenance and can be harvested ...

**Read More:** [New Indian Express](#)

# India inches closer towards manufacturing of indigenous Saras MK-II aircraft

CSIR-NAL

05<sup>th</sup> July, 2026

India's premier research and development agency for civil aviation, National Aerospace Laboratories (NAL), has completed the design phase of the indigenous 19-seater Saras MK-II aircraft and is now gearing up for manufacturing the prototype of the domestic civil aviation project.

The development of Saras civilian aircraft is one of the most ambitious projects of National Aerospace Laboratories, under the aegis of Council of Scientific and Industrial Research (CSIR). The 19-seat light transport aircraft, which can ideally serve smaller airports and reach India's hinterland, has earlier undergone wind tunnel testing and preliminary design of all the systems...

**Read More:** [Manufacturing Economic Times](#)

# सीएसआईआर-एनबीआरआई में 9वां प्रो. केएन कौल स्मृति व्याख्यान:डॉ. हिमांशु पाठक ने 'नेक्स्ट-जेनरेशन एग्रीकल्चर' पर चर्चा की

CSIR-NBRI

05<sup>th</sup> July, 2026

लखनऊ स्थित सीएसआईआर-राष्ट्रीय वनस्पति अनुसंधान संस्थान में शनिवार को 9वें प्रो. केएन कौल स्मृति व्याख्यान का आयोजन किया गया। यह कार्यक्रम केएन कौल ब्लॉक के लोटस प्रेक्षागृह में आयोजित हुई। अंतर्राष्ट्रीय अर्ध-शुष्क उष्णकटिबंधीय फसल अनुसंधान संस्थान, हैदराबाद के महानिदेशक डॉ. हिमांशु पाठक ने मुख्य वक्ता के रूप में शामिल हुए।

कार्यक्रम में उपस्थित अतिथियों और वैज्ञानिकों का स्वागत करते हुए सीएसआईआर-एनबीआरआई के निदेशक डॉ. ए.के. शासनी ने कहा कि यह व्याख्यान श्रृंखला प्रो. कौल की बहुआयामी वैज्ञानिक विरासत को नई पीढ़ी तक पहुंचाने का एक महत्वपूर्ण माध्यम है...

Read More: [Dainik Bhaskar](#)

# Tirumala Tirupati Devasthanams blends technology and tradition to transform pilgrim experience

CSIR-CFTRI

06<sup>th</sup> July, 2026

From introducing cutting-edge food safety systems to deploying artificial intelligence for crowd management, Tirumala Tirupati Devasthanams (TTD) has undergone a major transformation over the past two years, with the present administration focusing on transparency, technology and pilgrim welfare while preserving the sanctity of the shrine.

Among the most significant initiatives is the establishment of a Rs 25-crore food testing laboratory at Tirumala to ensure the purity of the iconic Srivari Laddu. Developed with financial support from the Food Safety and Standards Authority of India (FSSAI) and advanced equipment donated by the National Dairy Development Board (NDDB), the laboratory scientifically tests the laddu and more than 60 raw ingredients used in its preparation.

Operating under the guidance of Additional Executive Officer Ch Venkaiah Chowdary, the laboratory uses sophisticated equipment rarely seen in religious institutions. Imported e-Nose and e-Tongue systems detect spoilage and analyse taste profiles, while Gas Chromatography, High-Performance Liquid Chromatography (HPLC) and Mass Spectrometry identify adulteration, pesticides, heavy metals and antibiotics. Automated fat analysers...

**Read More:** [New Indian Express](#)

# New PV module recycling tech achieves 97.75% silicon recovery for electrode production

CSIR-NPL

06<sup>th</sup> July, 2026

A research team in India has developed a novel recycling process to recover silicon and native silica ( $\text{SiO}_2$ ) from end-of-life (EoL) crystalline silicon solar cells for use as electrode materials in energy-storage applications. Different substrates were evaluated with the recovered silicon to assess their impact on charge-storage mechanisms.

“The significant increase in cumulative photovoltaic installed capacity has led to a sharp rise in EoL modules, creating an urgent need for sustainable waste management,” the researchers said. “This study presents an eco-friendly approach by integrating recycled PV waste into electrode materials for lithium-ion (Li-ion) electrochemical systems, with an emphasis on substrate-dependent faradaic charge-storage behavior.”

The process begins with manual dismantling and removal of aluminum frames from waste modules, followed by thermal treatment at 480 °C to decompose and remove the EVA encapsulant, backsheet, and residual glass. The recovered silicon cell fragments were then isolated and ball-milled at 450 rpm for 6 h to obtain a micron-sized powder, followed by sequential alkaline and acid leaching using sodium hydroxide (NaOH) and hydrochloric acid (HCl) for purification...

**Read More:** [PV Magazine](#)

# CSIR-SERC Hosts National-Level Expert Advisory Committee Meeting on Trilingual Technical Glossary Development

CSIR-SERC

06<sup>th</sup> July, 2026

CSIR–Structural Engineering Research Centre (CSIR-SERC), Chennai, is hosting a six-day National-Level Expert Advisory Committee (EAC) Review Meeting from 6 to 11 July 2026, organised by the Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Government of India. The programme was inaugurated by Dr. N. Anandavalli, Director, CSIR-SERC, in the presence of Shri Deepak Kumar,



Assistant Director, Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Government of India, New Delhi, who is participating in the workshop and guiding the deliberations on technical terminology development.

The Expert Advisory Committee meeting is dedicated to the review and refinement of the trilingual Fundamental Glossary of Information Technology in English, Hindi, Tamil, as well as Telugu. The initiative aims to standardise technical terminology and make it more accurate, consistent, and accessible to students, teachers, researchers, and professionals...

**Read More:** [PIB](#)

# Beyond Kashmir's Mughal Gardens lie lavender fields

CSIR-IIIM

06<sup>th</sup> July, 2026

Think of Kashmir's gardens, and what comes to mind are the famous Mughal Gardens: Nishat Bagh, Shalimar Bagh, Chashm-e-Shahi, the gardens at Achabal and Verinag. But among the mountains in South Kashmir's Bijbehara sub-district lies a different kind of garden, enveloped in purple: the Lavender Farm in Sirhama village.

Situated around 55km from Srinagar, the farm is

owned and maintained by the Floriculture wing of the Department of Agriculture, Government of Jammu and Kashmir. It was established in 2006, and is spread over 32 hectares, with 10 hectares under lavender cultivation. A distillation plant on the farm is where lavender oil is extracted and sent to the capital city of Srinagar for marketing and distribution...

**Read More:** [CN Traveller](#)



# CSIR-IICT Director Srinivasa Reddy conferred with CRSI Silver Medal

CSIR-IICT

06<sup>th</sup> July, 2026

Director of the CSIR-Indian Institute of Chemical Technology (CSIR-IICT) D. Srinivasa Reddy, has been conferred with the prestigious 'CRSI Silver Medal' by the Chemical Research Society of India (CRSI) in recognition of his outstanding contributions to chemical research and scientific leadership.

Mr. Reddy is known for his pioneering work in natural product synthesis, medicinal chemistry, and drug discovery, which has



significantly advanced the frontiers of chemical sciences. He has received numerous honours, including the Shanti Swarup Bhatnagar Prize and the J.C. Bose National Fellowship, as per a press release issued...

**Read More:** [The Hindu](#)

# Goa Scientists Turn Jellyfish Into High-Value Collagen in Major Marine Research Breakthrough

CSIR-NIO

06<sup>th</sup> July, 2026

Scientists at the CSIR-National Institute of Oceanography (CSIR-NIO) in Goa have developed a patented technology that converts jellyfish into high-grade Type-II collagen, a development that could significantly reduce India's dependence on imported marine collagen while creating fresh economic opportunities from an underutilised marine resource.

The institute said the newly developed process produces water-soluble Type-II collagen enriched with cysteine and other beneficial amino acids. Designed for use in sectors such as healthcare, cosmetics, nutraceuticals and biomedical research, the collagen is also free from the strong odour commonly associated with marine-derived products.

Researchers believe the innovation could transform jellyfish—often viewed as a low-value or nuisance marine species—into a commercially valuable raw material. The technology is expected to benefit coastal communities by creating an additional source of income through the collection and utilisation of jellyfish biomass.

To take the innovation from the laboratory to the marketplace, CSIR-NIO has invited Expressions of Interest (EOIs) from companies engaged in marine products, pharmaceuticals, cosmetics, nutraceuticals and other allied industries for technology transfer and commercial manufacturing...

**Read More:** [Goemkarponn](#)

# How India's Mobile Algal Tree Fights Urban Pollution

CSIR-CIMFR

07<sup>th</sup> July, 2026

Researchers at the CSIR-CIMFR claimed to have developed India's first mobile Smart Algal Liquid Tree (SALT), a compact air-purification system that uses microalgae to absorb carbon dioxide and release oxygen, offering a solution for polluted urban areas where planting conventional trees is difficult.

Unlike a real tree, the device houses microalgae in water inside an enclosed unit. Through photosynthesis, the algae continuously absorb CO<sub>2</sub> from the surrounding air and release oxygen, helping improve air quality, they said.

## Innovative Solution for Urban Air Quality

"The primary purpose of this innovation is to combat poor air quality in densely populated and space-constrained urban areas where there is little or no room to plant large trees," Vetrivel Anguselvi, senior principal scientist at CIMFR who led the project, told PTI on Tuesday...

**Read More:** [Rediff](#)

# CSIR-IMMT kick starts one-month external technical training program for GETs of Hindalco Industries Limited

CSIR-IMMT

07<sup>th</sup> July, 2026

CSIR-IMMT kick started a one-month external technical training program for Graduate Engineer Trainees (GETs) of Hindalco Industries Limited on July 06, 2026. This one month training is scheduled till July 31, 2026 for Metallurgy, Mechanical, Environmental and Chemical engineering trainees with a series of sessions (including theory/practical demonstrations and hands-on) on various aspects focusing the theme/objective of the training program. This program is being attended with 54 GETs from various working stations of Hindalco Industries Limited.

Prof Chandi Prasad Nanda, Vice Chancellor, Utkal University, Bhubaneswar has graced the inaugural as the chief guest and addressed the gathering and emphasized on the importance of every individual, subject domain, place, culture and country and the higher need of integrating efforts towards creating a fruitful ecosystem around which was highly productive and made a prolific impact on the participants to orient towards the objectives of this training....

**Read More:** [Odisha Ray](#)

# CBRI Roorkee Takes Charge Of Conserving Tungnath Temple, The Highest Shiva Temple In The World

CSIR-CBRI

07<sup>th</sup> July, 2026

The Central Building Research Institute (CBRI), Roorkee, a premier national research institute, has taken charge of the conservation of the Tungnath Temple in Rudraprayag district, Uttarakhand, which is recognised as the highest Shiva temple in the world.

Located in the lap of the Himalayas at an altitude of over 12,800 feet above sea level, the ancient heritage site — which dates back to around a thousand years — experts had begun noticing signs of structural tilting (by around 5-6°) caused by the passage of time, weather conditions, heavy snowfall, seismic activity, and natural factors.

After experts from CBRI Roorkee conducted a detailed technical survey, structural analysis, and scientific testing of the temple, it will now undergo restoration using modern scientific techniques to ensure that its structural integrity remains intact, allowing future generations to visit and experience this historic monument...

**Read More:** [ETV Bharat](#)

# What is SALT, India's first mobile 'liquid tree' to fight pollution?

CSIR-CIMFR

07<sup>th</sup> July, 2026

Researchers at the Council of Scientific and Industrial Research-Central Institute of Mining and Fuel Research (CSIR-CIMFR) said they have developed a mobile "liquid tree", an air-purification system that offers a solution for polluted urban areas where planting conventional trees is difficult.

Called the Smart Algal Liquid Tree, or SALT, the compact system has already been installed at the CSIR-CIMFR campus in Dhanbad and at Northern Coalfields Limited in Singrauli, Madhya Pradesh.

But what exactly is a liquid tree, and how can algae help clean polluted urban air?

What is a liquid tree and how is SALT different?

A liquid tree is essentially a container filled with water and microalgae. Microalgae are microscopic, single-celled organisms that typically live in waterbodies. They use sunlight to convert carbon dioxide into oxygen and are responsible for generating about half of the global oxygen, according to ScienceDirect...

**Read More:** [Business Standard](#)

# CSIR-IICT develops next-gen indigenous green refrigerants

CSIR-IICT

08<sup>th</sup> July, 2026

Hyderabad-based CSIR-Indian Institute of Chemical Technology (CSIR-IICT) has developed the country's first indigenous process technology for manufacturing hydrofluoroolefins (HFOs), a new class of refrigerants expected to replace high-global-warming hydrofluorocarbons (HFCs) in air-conditioners, refrigerators and automobile air-conditioning systems.

The laboratory-scale technology, developed entirely in India, is now ready for transfer to industry. Scientists say the process uses readily available raw material and allows domestic chemical manufacturers to produce next-generation refrigerants without depending on imported technology. Once licensed, companies can scale up the process and supply HFOs to refrigeration and air-conditioning equipment manufacturers.

IICT developed the technology platform for the production of HFO-1234yf, a next-generation refrigerant. HFO-1234yf is regarded globally as a promising alternative to conventional refrigerants because it has zero ozone depletion potential, low global warming potential, very short atmospheric lifetime, and better environmental compatibility compared with conventional refrigerants...

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# CSIR-NAL completes design of indigenous 19-seater Saras MkII light transport aircraft; minister calls it a 'milestone' in aviation sector

CSIR-NAL

09<sup>th</sup> July, 2026

In a significant step towards building the country's first indigenously designed light transport aircraft, CSIR-National Aerospace Laboratories (CSIR-NAL), India's premier research and development agency for aviation, has completed the design phase of the 19-seater Saras MkII aircraft.

Announcing the development in a post on X, space, science and technology minister Jitendra Singh called it a milestone for India's indigenous aviation programme. Singh said, "Breaking News from the Ministry of Science & Technology. India achieves a milestone breakthrough in the aviation sector... CSIR-NAL Bengaluru has wrapped up the design phase of the 19-seater Saras MkII, a testament to India's growing prowess in indigenous aircraft development."

The light transport aircraft, which can ideally serve smaller airports and reach India's hinterland, had earlier undergone wind tunnel testing and preliminary designing of all the systems. "This milestone reinforces PM Narendra Modi ji's Atmanirbhar Bharat mission and accelerates the UDAN initiative, enhancing connectivity to remote and high-altitude regions with homegrown technology," Singh further said...

**Read More:** [Times of India](#)

# India and Australia Sign Agreement on Access to Council of Scientific and Industrial Research's Traditional Knowledge Digital Library (CSIR-TKDL) to Strengthen Protection of Traditional Knowledge

CSIR-TKDL

10<sup>th</sup> July, 2026



The Council of Scientific and Industrial Research (CSIR) and IP Australia have entered into an Agreement on access to CSIR's Traditional Knowledge Digital Library (CSIR-TKDL) during the 3rd India–Australia Annual Summit held in Melbourne, Australia, on 9 July 2026. The Agreement was concluded in the presence of the Hon'ble Prime Minister of India, Shri Narendra Modi, and the Hon'ble Prime Minister of Australia, Mr. Anthony Albanese MP.

The TKDL Access Agreement is one of the eighteen key outcomes of the bilateral discussions held during the Summit, which covered a wide range of areas including defence and security, energy security, education, skill development, science and technology, film-making, traditional knowledge, and repatriation of cultural properties...

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# CSIR-IMTECH celebrates Van Mahotsav 2026 with Plantation Drive

CSIR-IMTECH

10<sup>th</sup> July, 2026

CSIR–Institute of Microbial Technology (CSIR-IMTECH), Chandigarh, today celebrated Van Mahotsav 2026 in its Sector 39A campus by organizing a plantation drive in collaboration with the Department of Forest & Wildlife, Chandigarh Administration, reaffirming its commitment to environmental sustainability and ecological conservation.

The plantation drive was led by Dr. Alka Rao, Director, CSIR-IMTECH, along with Dr. Sachin Raut, In-charge, Horticulture division. The program witnessed the active participation of scientists, technical and administrative staff of CSIR-IMTECH, along with research scholars. During the Van Mahotsav, variety of indigenous and botanical saplings were planted to promote biodiversity, improve the green cover of the campus and reinforce the importance of environmental stewardship. The plantation drive also supported the national campaign "Ek Ped Maa Ke Naam", symbolizing the nurturing bond between motherhood and nature.

Addressing the gathering on the occasion, Dr. Alka Rao, Director, CSIR-IMTECH, emphasized the importance of preserving nature and fostering a culture of environmental responsibility. She highlighted that Van Mahotsav serves as a reminder of our collective duty to protect and nurture the environment for future generations. She encouraged all members of the institute...

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# CSIR-CFTRI encourages entrepreneurs to tap COEMIC facilities for millet-based enterprises

CSIR-CFTRI

10<sup>th</sup> July, 2026

The CFTRI has invited farmers, startups, and food entrepreneurs to make use of the state-of-the-art millet processing and value addition facilities at its Centre of Excellence on Millets and Incubation Centre (COEMIC).

In line with the national mission to promote millets and strengthen millet-based entrepreneurship, the COEMIC at CFTRI is offering its facilities for utilisation by farmers, Farmer Producer Organisations, Self Help Groups, cooperatives, startups, MSMEs, food processors, entrepreneurs, and research organisations, said a statement here on Friday...

**Read More:** [The Hindu](#)

# CSIR-NIScPR Successfully Concludes Five-Day Skill Training Programme on AI-enabled Institutional Repositories using DSpace

CSIR-NIScPR

11<sup>th</sup> July, 2026

The CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR) successfully organised a five-day offline Skill Training programme on "Design, Development and Use of AI in Institutional Repositories using DSpace" during 6–10 July 2026 under the CSIR Integrated Skill Initiative (Phase III). Organized by the Institute's Training Division, the programme aimed to strengthen the technical competencies of library and information professionals, academicians, researchers, students, and IT professionals in developing and managing institutional repositories using the open-source DSpace platform integrated with emerging Artificial Intelligence (AI) technologies.

Dr. Geeta Vani Rasayam, Director, CSIR-NIScPR inaugurated the programme and encouraged participants to actively engage in the programme and emphasized the growing significance of digital repositories, open-source technologies, and Artificial Intelligence in advancing scholarly communication, knowledge preservation, and research visibility. In her welcome address, Ms. Meetali Bharti introduced the objectives of the programme and highlighted the importance of continuous capacity building in digital knowledge management...

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# CSIR celebrates women researchers in STEM at ASPIRE-SHAKTI

CSIR-HRDG

13<sup>th</sup> July, 2026

The Council of Scientific & Industrial Research (CSIR), through its Human Resource Development Group (CSIR-HRDG), today organised “ASPIRE-SHAKTI: Celebrating Women in STEM & Initiating Project Review Sessions” at the CSIR Headquarters, Anusandhan Bhawan, New Delhi. The function brought together Principal Investigators



(PIs) of the CSIR-ASPIRE scheme, research fellows and members of the ASPIRE Subject Area Committees from across the country.

Dr. N. Kalaiselvi, Secretary, Department of Scientific & Industrial Research (DSIR) and Director General, CSIR, presided over the function and released the ASPIRE-SHAKTI Compendium, a documented record of the scheme's research accomplishments...

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# The science, steel, and silicon reshaping Northeast India

CSIR-NEIST, NGRI, CMERI

14<sup>th</sup> July, 2026

The North Eastern Region of India is undergoing a profound structural transformation, moving away from decades of geographical isolation towards becoming a dynamic frontier of technological innovation, modern infrastructure and digital governance. This regional transition formed the central focus of a high-level visit by



Union Minister of State for Science and Technology Dr Jitendra Singh to Shillong. The visit included an extensive review of grassroots scientific initiatives and culminated in a major collaborative programme with Meghalaya Chief Minister Conrad K. Sangma on next-generation administrative reforms...

**Read More:** [Border Lens](#)

# Hands-on training programme on Natural Products begins at CSIR-IIIM

CSIR-IIIM

15<sup>th</sup> July, 2026

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu on Tuesday inaugurated a three-day hands-on training programme on Natural Products Isolation and Characterization under the CSIR- Integrated Skill Initiative, bringing together 30 participants from diverse scientific disciplines for intensive laboratory training aimed at strengthening research skills, innovation and entrepreneurship in natural product-based drug discovery.

The training programme has been designed to provide participants with comprehensive theoretical knowledge as well as practical exposure to modern techniques used in the extraction, isolation and characterization of bioactive natural compounds. The participants have been divided into five laboratory batches to facilitate personalized hands-on learning.

Addressing the participants, Dr Zabeer Ahmed, Director, CSIR-IIIM Jammu, said such programmes create an opportunity for interaction among young researchers with diverse ideas while simultaneously exposing them to advanced research infrastructure.

He underlined that natural products continue to play a vital role in modern medicine, stating that nearly half of all medicines have their origin in natural sources, whether derived directly or through semi-synthetic modifications...

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# World Youth Skills Day celebrated at Biotech Park, Kathua; Director IIIM inspires young entrepreneurs

CSIR-IIIM

15<sup>th</sup> July, 2026

BioNEST Bioincubation Centre, Industrial Biotech Park (IBTP), Ghatti, Kathua, operating under the CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, celebrated World Youth Skills Day 2026 with a day-long programme themed "Skills for a Future Youth."

The event brought together students, faculty members, scientists, industry experts and senior dignitaries to promote skill development, innovation and entrepreneurship among the youth.

A total of 130 students and seven faculty members participated in the programme, including the students and five faculty members from Sri Sai Group of Colleges, Pathankot, and students along with two faculty members from RD College of Pharmacy, Kathua.

The Chief Guest, Dr. Zabeer Ahmed, Director, CSIR-IIIM Jammu and Chairman, BioNEST-IBTP, Kathua, delivered the keynote address and called upon the youth to embrace innovation, strengthen their entrepreneurial capabilities and confidently pursue entrepreneurship as a viable career pathway....

**Read More:** [Daily Excelsior](#)

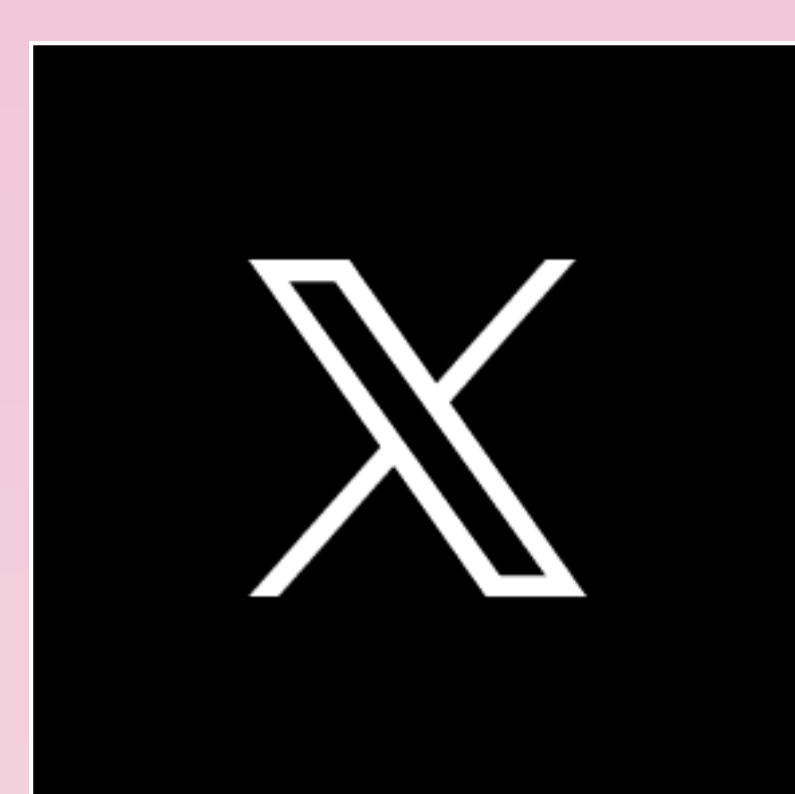


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