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The Innovation Engine of India

CSIR in Media

News Bulletin
16 to 31 August 2026

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

DTU and CSIR-CSIO Sign MoU to Strengthen Academic and Research Collaboration

CSIR-CSIO

14th August, 2026

Delhi Technological University (DTU) and CSIR–Central Scientific Instruments Organisation (CSIR-CSIO) have signed a Memorandum of Understanding (MoU) to strengthen academic, research, training, and skill-development collaboration between the two premier institutions.

The MoU was signed at Delhi Technological University in the presence of Prof. Vinod Singh, Head, Department of Applied Physics; Prof. Girish Kumar, Dean (R&D); and faculty members of the Department of Applied Physics. The CSIR-CSIO delegation comprised Prof. Shantanu Bhattacharya, Director, CSIR-CSIO; Mr. Narinder Singh Jassal, Scientist-G & Head-BDG; and Dr. Vishal Chandane, Scientist-D…

Read More: Education Economic Times

Drone killer noise: Chandigarh scientist develops new anti-drone tech that destroy aerial threats without firing a single bullet or laser beam

CSIR-CSIO 14th August, 2026

Scientists at the Central Scientific Instruments Organisation (CSIO) have developed an acoustic-based anti-drone system designed to disable unauthorised unmanned aerial vehicles (UAVs) in mid-air, as India faces a persistent security threat from small, low-cost drones used for cross-border smuggling and other operations.

The system uses high-intensity sound waves to disrupt a drone's internal balance sensors, causing it to lose stability and potentially fall within seconds. Funded by IHUB-NTIHAC, a technology innovation and cybersecurity hub established at IIT Kanpur, the technology is being considered for commercial production and deployment.

The CSIO is now seeking industrial partners with the technical capabilities needed to transfer the technology for commercial manufacturing and marketing of the acoustic detector…

Read More: Economics Times

Chasing aquifers from the sky: Heliborne surveys are mapping India's hidden water reserves

CSIR-NGRI 14th August, 2026

Beneath the sun-baked plains of western India and the densely cultivated stretches of the Indo Gangetic basin, an invisible crisis has been unfolding for decades. As wells run dry and traditional water tables collapse under the weight of modern demand, locating underground water has become a matter of national survival. This account draws on the work of the Central Ground Water Board, where three of the authors, KP Singh, Anirudh Singh and Sashi Kant Singh, are based, alongside Dipankar Saha of the Manav Rachna International Institute of Research and Studies, Faridabad, who formerly served with the Board.

Today, a fleet of helicopters floating over the Indian landscape is offering an extraordinary new perspective. Suspended thirty metres above the earth, hexagonal sensor loops are peering deep into the subterranean bedrock, tracing ancient lost rivers and mapping concealed aquifer architectures with remarkable precision…

Read More: India Water Portal

Jigyasa ATL Workshop – Student–Scientist Connect

CSIR-SERC 14th August, 2026

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), in association with CSIR Chennai Campus (CMC), organised a Jigyasa ATL Workshop (Student–Scientist Connect) as part of the Atal Tinkering Lab (ATL) Adoption and Mentoring Programme on 13 and 14 August 2026 in schools located in Tiruvannamalai District, Tamil Nadu.

The programme was conducted at four Government Higher Secondary Schools: Government Girls Higher Secondary School, Vembakkam; Government Higher Secondary School, Kuppam, Polur Taluk; Government Higher Secondary School, Azhividaithangi, Vembakkam Taluk; and Government Higher Secondary School, Vanapuram, Thandarampet Taluk.

The Jigyasa programme is a national initiative of CSIR aimed at strengthening Scientific Social Responsibility (SSR) by connecting school students with scientists and research institutions. Launched during CSIR's Platinum Jubilee year, the programme is inspired …

Read More: PIB

CSIR-NML Hosts One-Day Student Visit Programme Under CSIR-JIGYASA Initiative

CSIR-NML

14th August, 2026

CSIR–National Metallurgical Laboratory (CSIR-NML), Jamshedpur, organized a One-Day Student Visit Programme under the CSIR-JIGYASA initiative for the students of Xavier School, Jamshedpur on 14th August, 2026. The programme was conducted at CSIR-NML with the objective of promoting scientific temper and creating awareness about research and innovation among school students.

A total of 47 students (23 boys and 24 girls) along with 2 faculty members participated in the programme. The event commenced with registration followed by an inaugural address by Dr. Sandip Ghosh Chowdhury, Director, CSIR-NML, who encouraged the students to cultivate curiosity and scientific thinking. He also briefed the students regarding the activities conducted at CSIR-NML. A group photograph was taken to mark the occasion…

Read More: Ranchi

Dr. Jitendra Singh hoists Tricolor at CSIR HQ on Independence Day

CSIR 15th August, 2026

Where science meets sovereignty — Union Science and Technology Minister Dr. Jitendra Singh unfurled the Tricolor at the headquarters of India's largest publicly funded research body on 15 August 2026, marking Independence Day with a flag-hoisting ceremony at Anusandhan Bhavan, Rafi Marg, New Delhi.

CSIR's place in India's republic of science

The Council of Scientific and Industrial Research (CSIR), founded in 1942, stands as the backbone of India's state-funded R&D ecosystem. Its headquarters, Anusandhan Bhavan, is more than an administrative address — it is the nerve centre coordinating dozens of national laboratories spread across the country, from genomics to aerospace materials…

Read More: Nation Press

New seismic mapping reveals ancient ocean remains and trapped water pockets under the Eastern Indian craton

CSIR-NGRI 15th August, 2026

A new study has provided the first detailed look at the Earth's interior directly beneath the Eastern Indian craton, an ancient fragment of the Earth's crust that has remained stable for over three billion years. Using a network of 16 broadband seismic stations spread across the states of Odisha and Jharkhand, Dr Prantik Mandal from the CSIR-National Geophysical Research Institute (CSIR-NGRI) in Hyderabad has mapped a mysterious region known as the Mantle Transition Zone (MTZ). The findings reveal that this deep-earth layer is roughly 235 kilometres thick and contains evidence of ancient water and recycled ocean floors, offering a rare glimpse into the inner workings of our planet.

The Mantle Transition Zone acts as a critical gateway between the Earth's upper and lower mantle, sitting roughly between 410 and 660 kilometres below our feet. To see this deep, Prantik used a technique called P-receiver function imaging, which functions much like a medical ultrasound. When earthquakes occur elsewhere in the world…

Read More: Research Matters

CSIR-SERC Celebrates 80th Independence Day; Inaugurates Infrastructure Facility and Tree Planting Drive

CSIR-SERC

15th August, 2026

The 80th Independence Day was celebrated with high enthusiasm across the CSIR-Structural Engineering Research Centre (CSIR-SERC), CSIR Madras Complex (CMC), and the Tower Testing Research Station (TTRS), Thirusulam today. Dr. N. Anandavalli, Director, CSIR-SERC and Coordinating Director, CMC, hoisted the National Flag and addressed the gathering of scientists, officers, and staff.

In her address, Dr. Anandavalli highlighted CSIR's key contributions to science and technology, calling upon the scientific community to accelerate research, technological innovation, and societal translation toward building an Atmanirbhar Bharat…

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GSI, CSIR-NIO Sign MoU for Joint ROV Expedition to Study Cratered Seamounts in Andaman Volcanic Arc

CSIR-NIO

17th August, 2026

The Geological Survey of India (GSI) has signed a Memorandum of Understanding (MoU) with the CSIR-National Institute of Oceanography (CSIR-NIO), Goa, to undertake a joint remotely operated vehicle (ROV) expedition for seabed investigation of cratered seamounts in the Andaman Volcanic Arc.

The MoU was signed on August 10, 2026, by Dr. N. M. Shareef, Deputy Director General and Head of the Marine & Coastal Survey Division, GSI, and Prof. Sunil Kumar Singh, Director, CSIR-NIO, Goa, in the presence of senior officials.

The collaboration marks an important step towards strengthening seabed investigations and studies of marine hydrothermal mineralisation in the Andaman Sea. It is also aimed at enhancing scientific understanding of the region's submarine volcanic activity and mineralisation processes…

Read More: Nicobar Times

CSIR-IIIM Pays Tribute to Col Sir R N Chopra on 144th Birth Anniversary

CSIR-IIIM 17th August, 2026

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, on Monday paid floral tributes to its Founder Director Col Sir R N Chopra on his 144th birth anniversary, recalling his pioneering contributions to pharmacology, medicinal plants and Indian systems of medicine.

Dr Zabeer Ahmed, Director, CSIR-IIIM Jammu and Director, CSIR-NBRI Lucknow, along with scientists, technical and administrative staff, research scholars and other employees, offered floral tributes at the statue of Col Chopra on the institute premises.

Speaking on the occasion, Dr Ahmed described Col Chopra as the "Father of Indian Pharmacology" and highlighted his role in establishing a scientific approach to the study of medicinal plants and traditional systems of medicine…

Read More: Jammulinksnews

CSIR-IICT, ReSL Pact for Sustainability

CSIR-IICT 17th August, 2026

CSIR–Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, and Re Sustainability Limited (ReSL) have signed a strategic umbrella memorandum of understanding to collaborate on advanced research, technology development, scale-up and commercialisation of sustainable environmental solutions. The partnership brings together CSIR-IICT's scientific expertise as a premier laboratory under the Council of Scientific and Industrial Research and ReSL's three decades of experience in environmental infrastructure, circular economy solutions, waste management, resource recovery and industrial sustainability…

Read More: Deccanchronicle

CSIR-SERC Signs MoU with IIEST Shibpur to Advance Collaborative Research and Innovation

CSIR-SERC 17th August, 2026

CSIR-Structural Engineering Research Centre (CSIR-SERC), a premier national laboratory under the Council of Scientific and Industrial Research, signed a Memorandum of Understanding (MoU) with the Indian Institute of Engineering Science and Technology (IIEST), Shibpur. The ceremony took place at CSIR-SERC in the presence of Dr. N. Anandavalli, Director, CSIR-SERC, alongside Chief Scientists, officials, and Dr. Aparna Dey Ghosh, Professor of Civil Engineering and Dean (Planning and Development), IIEST Shibpur…

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Nalco launches pilot plant to recover value-added products, rare earths

CSIR-IMMT

18th August, 2026

Navratna Central Public Sector Enterprise (CPSE) National Aluminium Company Limited (Nalco) on Tuesday launched a first-of-its-kind pilot project for the valorisation of bauxite residue, commonly known as red mud. The proposed 50-kg-per-batch pilot plant will come up in collaboration with the Institute of Minerals and Materials Technology (IMMT) and Kalinga Institute of Industrial Technology (KIIT) at the Nalco Research and Technology Centre (NRTC) in Bhubaneswar to process bituminous coal fly ash…

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Editors from Assam visit CSIR-SERC Chennai to explore advanced structural engineering and seismic resilience

CSIR-SERC 18th August, 2026

The editors delegation from Assam visited the CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, as part of the ongoing PIB Media Tour to Tamil Nadu. The visit provided the media representatives with an opportunity to gain first-hand knowledge of advanced structural engineering technologies, disaster mitigation measures and seismic resilience technologies aimed at developing safer and more resilient infrastructure. The visit commenced with a briefing by Dr. N. Anandavalli, Director, CSIR-SERC, who highlighted the Centre's significant contributions to the development of innovative technologies for national infrastructure. She briefed the delegation on CSIR-SERC's work in structural engineering, sustainable construction practices, innovative materials, structural health monitoring and disaster-mitigation technologies.

Read More: Pib

Centipede species show differences in venom composition

CSIR-CCMB 19th August, 2026

The venom of different centipede species can vary in its potency and chemical composition because of differences in diet, habitat and competition with other organisms in their ecosystems, scientists have found.

The finding emerged from a study led by Jahnavi Joshi of the CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad. The researchers sought to determine whether the venom of closely related organisms that look similar and occur in the same region would also be similar.

Study finds distinct venom profiles in two species

The researchers studied two closely related centipede species found widely in India — Scolopendra morsitans and Scolopendra hardwickei. Although the two species share several venom components, their protein profiles showed significant differences…

Read More: Hyderabadmail

CSIR chief visits AMTZ, reviews MedTech ecosystem

CSIR 19th August, 2026

Dr. N. Kalaiselvi, Director General, Council of Scientific and Industrial Research (CSIR), and Secretary, Department of Scientific and Industrial Research (DSIR), on Tuesday visited AMTZ to witness the key developments shaping the next phase of India's MedTech ecosystem. Dr. Kalaiselvi interacted with Dr. Jitendra Sharma, MD & Founder CEO, AMTZ, and senior officials, and visited MedTech enterprises including Pyramed, Molbio Diagnostics, Transasia Bio-Medicals and Electra. She participated in the foundation stone ceremony of SS Medical Systems (I) Pvt. Ltd. marking its expansion into indigenous MedTech manufacturing with its OptiMaser technology deployed across 55,000 installations in India. A major highlight was the inauguration of the expanded Medi Valley, AMTZ's MedTech incubation platform, supported by NITI Aayog, which has grown to a new tower of 1-lakh Sqft. The facility enables startups to transform idea to prototypes in six months and pursue regulatory clearances within 12 months, with access to specialised labs and facilities…

Read More: The Hindu

Telangana Told To Build Full Battery Recycling Chain

CSIR-CECRI 19th August, 2026

Telangana needs to build a complete battery ecosystem covering raw material sourcing, manufacturing, collection, reuse, recycling and recovery of critical minerals to make battery waste management sustainable, experts said at a workshop held in Hyderabad. Experts warned that the volume of end-of-life batteries is expected to rise significantly after 2030, making it important to promote reuse and second-life applications of batteries before sending them for intensive recycling.

Dr Sundar Mayavan of CSIR-Central Electrochemical Research Institute (CSIR-CECRI) said battery recyclers would face a major challenge after 2030 when large quantities of end-of-life batteries are expected to enter the waste stream. He stressed the need to promote repurposing and second-life applications of batteries before recycling. "Government has to intervene and ensure that batteries do not end up on the earth. Batteries should be repurposed for other useful applications instead of directly going for hard-core recycling," he said…

Read More: Deccanchronicle

NEERI Team Reviews Clean Air and Waste Management Efforts in Bhopal

CSIR-NEERI 19th August, 2026

Members of the National Environmental Engineering Research Institute (NEERI) on Wednesday reviewed ongoing work in Bhopal under the National Clean Air Programme (NCAP) and Sustainable Waste Management initiatives. They were briefed on the innovations undertaken by the municipal corporation for air quality improvement and waste management.

The inspection team gained detailed insights into various NCAP initiatives aimed at improving air quality and providing citizens with a cleaner environment. At the corporation's headquarters, 'Atal Bhawan', officials presented information on ongoing efforts, innovations, the sustainable waste management model, and decentralized waste management to the NEERI members.

The NEERI delegation visited the Anna Nagar Garbage Transfer Station to observe the process of waste segregation and other waste management procedures firsthand. They familiarized themselves with the corporation's operational methodology for waste management…

Read More: Thecliffnews

CSIR-CFTRI launches CSR-backed new secondary millet processing facility

CSIR-CFTRI

20th August, 2026

In its yet another step towards bridging the gap between laboratory-scale technologies and commercial production, CSIR-Central Food Technological Research Institute (CFTRI) based in Mysuru, has launched a new secondary millet processing facility for converting millets into value-added, market-ready foods. The new facility aims at supporting farmers, Farmer Producer Organisations (FPOs), Self-Help Groups (SHGs), farmers, aspiring rural entrepreneurs and other grassroots enterprises…

Read More: Deccanherald

CSIR-CRRI and CSIR-AMPRI Organise Workshop on Innovative Materials and Advanced Composites for Sustainable Infrastructure

CSIR-CRRI, AMPRI

20th August, 2026

CSIR-Central Road Research Institute (CSIR-CRRI), New Delhi, and CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal, jointly organised a one-day workshop on "Innovative Materials and Advanced Composites for Sustainable Infrastructure" at CSIR-AMPRI, Bhopal. Organised as part of the Platinum Jubilee Celebrations of CSIR-CRRI, being held from July 2026 to July 2027, the workshop provided a platform for knowledge exchange on emerging materials, advanced construction practices and sustainable rehabilitation technologies for transportation infrastructure. Around 300 delegates representing key stakeholder organisations, including MP PWD, MPRDC, NHAI, CSIR-AMPRI, NITTTR Bhopal, MANIT Bhopal and SPA Bhopal along with representatives from academia and industry, participated in the workshop.

Read More: Pib

India's frogs face hidden threat from amphibian-killing fungus

CSIR-CCMB 20th August, 2026

For several years, conservation biologists were baffled by unexplained population drops among frogs along the Western Ghats and the rugged mountain ranges of Himalayas.

Most experts blamed the decline on routine monsoon shifts and the behaviour of animals to vanish during off-season. But researchers in Hyderabad have now figured out that an invisible intruder, an amphibian-killing fungus (Batrachochytrium dendrobatidis), has driven hundreds of frog species to the brink of extinction. Across India's primary biodiversity hotspots, sensitive stream-dwelling amphibians like the endangered white-lipped cricket frog and various endemic toads experienced subtle, unexplained population dips.

Researchers at Hyderabad's Laboratory for the Conservation of Endangered Species (LaCONES-CCMB) launched a nationwide molecular survey to understand the development, and instead of waiting for dead frogs to wash up on riverbanks, scientists hand-caught nearly 1,870 amphibians across 147 locations. They captured microscopic fungal traces from the skin of the frogs, which were later released unharmed…

Read More: Telanganatoday

Odisha Governor Reviews CSIR-IMMT Research, Technology Development Initiatives

CSIR-IMMT

21st August, 2026

Odisha Governor Dr Hari Babu Kambhampati on Friday visited the CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT) here and reviewed the institute's ongoing research, technology development and demonstration initiatives in the minerals and materials sector. During the visit, the Governor inspected the PGIM pilot plant, mineral processing pilot plant, Sustainable Recycling Centre and the technology demonstration plant for recovery of four metals from deep-sea polymetallic nodules.

Senior management officials and scientists of CSIR-IMMT briefed Kambhampati on the institute's research and technology development activities, including technologies for processing deep-sea polymetallic nodules, sustainable recycling and recovery of valuable metals…

Read More: Ommcomnews

New Indian AI Tool May Help Trace What Triggered A Person's Cancer

CSIR-IGIB

21st August, 2026

Cancer diagnosis usually answers one crucial question: What kind of cancer does a person have? But Indian researchers are exploring another question that could be equally important: what might have triggered it? A team led by researchers at the Indraprastha Institute of Information Technology-Delhi (IIIT-Delhi), with collaborators including the National Institute of Pharmaceutical Education and Research (NIPER), Guwahati, CSIR-Institute of Genomics and Integrative Biology (CSIR-IGIB) and Dr Bhubaneswar Borooah Cancer Institute, has developed MutAIverse, a generative AI-powered platform designed to investigate the chemical exposures that may have contributed to DNA damage linked to cancer.

Published in the Journal of Cheminformatics, the study describes MutAIverse as a platform that can identify DNA adducts, chemical modifications formed when reactive substances bind to DNA, and then work backwards to identify their possible precursor chemicals or genotoxins…

Read More: NDTV

CCMB researchers identify biological circuit behind deadly fungus's Titan cell formation

CSIR-CCMB 21st August, 2026

Researchers from the Hyderabad-based Centre for Cellular and Molecular Biology (CSIR-CCMB) have solved a two-decade-old biological mystery on how Cryptococcus neoformans, a deadly fungus responsible for nearly one in five AIDS-related deaths globally, transforms into giant 'Titan cells' to evade the immune system and cause lethal brain infections.

The researchers identified a previously unknown biological circuit in their study, published in the prestigious Oxford Academic Genetics (August, 2026), that enables the deadly fungus to form Titan Cells by linking the fungus's energy metabolism to one of its most important cellular signalling systems.

Traditionally, metabolism is defined as the process that provides cells with energy. The CCMB study, however, reveals that metabolism also acts as a powerful decision-making system that determines whether the fungus can become more dangerous…

Read More: Telanganatoday

Standing committee approves plan to appoint NEERI to conduct a technical audit of Baner wet waste processing plant

CSIR-NEERI 21st August, 2026

PMC's standing committee on Thursday approved a proposal to appoint the National Environmental Engineering Research Institute (NEERI), Nagpur, to conduct a technical audit of the Baner wet waste processing plant and PMC's 300-tonne-per-day bio-CNG plant in Talegaon.

The proposal was submitted by municipal commissioner Naval Kishore Ram and approved by standing committee chairman Shrinath Bhimale. Earlier, Pune Municipal Corporation (PMC) had rejected demands to shift or shut down the wet waste processing plant on Sus Road in Baner, saying the relocation was not feasible and would adversely affect the city's waste management system.

According to the proposal, the standing committee had sanctioned the Baner project in 2014, following which a letter of intent was issued to a private firm in 2015. The project was awarded on a 30-year contract. "The plant processes wet waste generated in Pune city to produce bio-CNG, which is used as an alternative fuel for vehicles, including PMPML buses. The municipal corporation considers it an environmentally important project," Ram stated in the proposal…

Read More: Times of India

Minister Patra Reviews CSIR-IMMT Research, Stresses Technology For Mineral Value Addition

CSIR-IMMT

22nd August, 2026

Odisha Science and Technology Minister Krushna Chandra Patra on Saturday reviewed research and technology development activities at CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT) here and stressed the need to harness modern technologies for greater value addition to the state's mineral resources. During his visit to the institute, Patra toured various research laboratories, pilot plants and technology demonstration centres and reviewed the practical applications of ongoing research.

He took stock of research activities in key areas such as mineral processing, metal extraction, recovery of valuable elements, advanced materials development, waste-to-resource technologies and environmentally sustainable technologies…

Read More: Ommcomnews

CSIR-NIScPR Organises Platinum Jubilee Ceremony to Mark 75 years of its popular Hindi science magazine, 'Vigyan Pragati'

CSIR-NIScPR 22nd August, 2026

CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR) today organised a Platinum Jubilee Ceremony to mark 75 years of its popular Hindi science magazine, 'Vigyan Pragati'. Launched in 1952, 'Vigyan Pragati' has played a significant role over the past 75 years in disseminating scientific information among the public in simple and accessible language, promoting scientific temper and awareness, and communicating scientific achievements to society. The ceremony aimed to celebrate the magazine's rich legacy while deliberating on emerging forms of science communication in the era of digital technology, artificial intelligence and rapid scientific advancement. The Chief Guest, Prof. Sachin Chaturvedi, Vice-Chancellor, Nalanda University, in his address highlighted the Nalanda knowledge tradition, science in Indian culture and India's scientific development, while underscoring the significance of important articles published in 'Vigyan Pragati' and its role in science communication…

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‘Genetics can detect long-term endogamy’: Kumaraswamy Thangaraj

CSIR-CCMB 23rd August, 2026

Interview/ Kumaraswamy Thangaraj CSIR Bhatnagar Fellow, Centre for Cellular & Molecular Biology, Hyderabad

Q/ How do you see yourself—as a historian, physician or a detective?

This field demands input from historians, archaeologists, anthropologists and medical geneticists. I see myself as a combination of all.

Q/ Has any discovery genuinely surprised you?

It happens constantly. Take the Andamanese—phenotypically they resemble Africans, so we expected their genomes to match. But their long isolation produced a unique set of mutations found nowhere else in the world, not even in Africa. Medical genetics throws such surprises.

Read More: Theweek

A small trial blooms into a Flower farm

CSIR-NEIST 23rd August, 2026

For Vesalu Puro, farming was something she grew up with. It was also something she returned to after seven years as a contractual employee of the Nagaland government. Today, the flowers she once grew as a hobby have become a commercial enterprise spread across 1.5 hectares in Phek district.

Help came from the Council of Scientific and Industrial Research-North East Institute of Science and Technology (CSIR-NEIST), based in Jorhat, Assam. The institute helped her construct a polyhouse and provided technical training. The Indian Council of Agricultural Research-Krishi Vigyan Kendra, Phek, also supported her…

Read More: Newindianexpress

CSIR-IIIM field station in Pulwama gets Research Council praise

CSIR-IIIM 23rd August, 2026

The CSIR-Indian Institute of Integrative Medicine's (IIIM) Field Station at Bonera in Pulwama district has been commended for its contributions to sustainable hill agriculture, an official statement said on Sunday.

A high-powered Research Council, led by Prof. P. Balaram, former Director of the Indian Institute of Science (IISc) Bengaluru and Chairman of the CSIR-IIIM Research Council, reviewed the ongoing research and technology development programmes at the station.

The review team included Dr. Ajit K. Shasany, Vice Chancellor of Central University of Orissa, Prof. R. Uma Shaanker of the University of Agricultural Sciences Bangalore, industrialist Dr Lal Hingorani, Prof. Parthasarthy Das of IIT Dhanbad, and Er Abdul Rahim, Head of CSIR-IIIM Srinagar…

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Spot a nerve agent in 13 secs

CSIR-CLRI 24th August, 2026

Scientists have long struggled to reliably detect nerve agents used in chemical warfare, not just because they are highly toxic, but because many sensors produce the same yellow colour as the chemicals they are trying to identify, making the signal easy to miss or misread.

Now, researchers at the CSIR-Central Leather Research Institute (CLRI) in Chennai have found a solution: a nanomaterial that can detect and neutralise such compounds within 13 seconds.

The team has developed a cerium-based nanozyme, a material engineered to behave like a natural enzyme, that reacts quickly with organophosphate compounds (nerve agents). Cerium (Ce) is the most abundant rare-earth metal and helps create the bright white light in energy-saving bulbs and LEDs.

The CLRI team's nanozyme is designed for on-site detection of contamination, not for medical or blood testing. It can be used to identify toxic residues on surfaces, equipment, or in industrial and environmental settings — situations where rapid, reliable detection is critical…

Read More: Times of India

New species of Leopard's bane discovered in Tawang; first of its kind from Northeast India

CSIR-IHBT

24th August, 2026

Researchers from the CSIR-Institute of Himalayan Bioresource Technology (IHBT) have announced the discovery of a new plant species in the high-altitude wilderness of Arunachal Pradesh. The new species, named Doronicum sanctum, belonging to the sunflower family, was identified during a comprehensive botanical survey of the Himalayan biodiversity hotspot. Found at an elevation of approximately 4,086 metres above sea level in the Tawang district, the discovery was made along the rugged mountain slopes on the way to Damteng. This find is particularly historic as it represents the first time a member of the Doronicum genus, commonly known as Leopard's bane, has been documented in Northeast India, as all previous Indian records were restricted to the western Himalayan regions…

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National SC-ST Hub, MSME Min. sponsored NSD Prog. on Pharmaceutical Manufacturing commenced at CSIR-IIIM

CSIR-IIIM

24th August, 2026

Under the CSIR-Integrated Skill Initiative, a 11-weeks Skill Development and Capacity Building Programme on "Production Machine Operator (Non-Sterile Formulation) – Granulation, Packaging, Tablets and Capsules" sponsored by the National SC-ST Hub of Ministry of Micro, Small and Medium Entreprises (MSME), GoI was launched at CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, here today, which brought together more than 30 participants, including a significant number of women, from different parts of the country. The dignitaries present have also released the training manual covering the detail of lectures to be delivered and the hands-on-training sessions designed to be conducted during the course…

Read More: Jammulinksnews

NRL Signs MoA with CSIR-NPL to Explore Synthetic Graphite Production from Assam Crude Petroleum Coke

CSIR-NPL

24th August, 2026

Numaligarh Refinery Limited (NRL) has signed a Memorandum of Agreement (MoA) with CSIR–National Physical Laboratory (NPL), New Delhi, to undertake research on converting Calcined Petroleum Coke (CPC) into synthetic graphite for advanced applications. The agreement was signed on August 20, 2026, marking a step towards strengthening indigenous research and development in advanced carbon materials.

NRL and CSIR-NPL to Study CPC-to-Synthetic Graphite Conversion

The research project will explore the feasibility of converting petroleum coke derived from Assam crude into synthetic graphite…

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CSIR-CRRI Organises One-Day National Workshop on Road Asset Management Systems and Predictive Analysis

CSIR-CRRI 25th August, 2026

The CSIR-Central Road Research Institute (CSIR-CRRI), New Delhi, in collaboration with the Ministry of Education under the Scheme for Promotion of Academic and Research Collaboration (SPARC), organised a one-day workshop on "Road Asset Management Systems & Predictive Analysis" on 24 August 2026 at the CSIR-CRRI Auditorium. The workshop brought together researchers, practitioners and industry experts to deliberate on modern Road Asset Management Systems (RAMS) and the application of predictive analytics for pavement performance, maintenance prioritisation and life-cycle cost optimisation…

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CSIR-NIO scientists study venomous sea creatures to discover new medicines

CSIR-NIO 25th August, 2026

Scientists at CSIR-National Institute of Oceanography (NIO), Dona Paula, Goa are studying some of the ocean's most unusual marine animals that produce venom to find compounds that could help make new medicines for pain relief, fighting infections, and treating nerve-related diseases. This project began along the coast of Goa with support from the Council of Scientific and Industrial Research in 2024. Now, because it has been successful, scientists are expanding their work to study the selected intertidal rocky shores of the west coast of India in Veraval, Mumbai, Kunkeshwar, and Kumta.

The researchers are carefully exploring beaches and underwater areas to find cone snails, jellyfish, sea anemones, zoanthids, and sea urchins, using advanced tools which help identify species by studying their genetic code. "DNA barcoding helps scientists accurately identify and classify species based on their genetic makeup, while LC-MS/MS analyses the chemical compounds and metabolites they produce. Combining these techniques allows researchers to link specific bioactive molecules to particular species, aiding biodiversity assessment and the discovery of new natural products," said chief scientist Narsinh Thakur…

Read More: Times of India

CSIR-National Aerospace Laboratories Unveils Indigenous Micro and Small Gas Turbine Engines, Boosting India's Unmanned Defence Capabilities

CSIR-NAL

25th August, 2026

In a significant step towards self-reliance in advanced aerospace propulsion, CSIR-National Aerospace Laboratories (CSIR-NAL) today unveiled three indigenous Micro and Small Gas Turbine Engines — NJ-05 with 5 kg thrust, NJ-50 with 50 kg thrust and NJ-100 with 100 kg thrust — at the SSB Auditorium, CSIR Headquarters, New Delhi. Developed to address critical requirements in indigenous defence technologies, these compact propulsion systems are envisaged for applications including tactical unmanned aerial vehicles (UAVs), drone interceptors and compact missile systems…

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Union Minister Dr. Jitendra Singh Emphasises deeper Integration of Traditional Knowledge with Modern Science and Medicine

CSIR-TKDL

25th August, 2026

Traditional knowledge should not remain confined to conventional systems of medicine but should seek deeper integration with Medicine, modern science and emerging technologies to widen its reach and societal impact, Union Minister of State (Independent Charge) for Science and Technology and Earth Sciences and MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh, said during his visit to the CSIR-"Traditional Knowledge Digital Library" (CSIR-TKDL) here today…

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CSIR-IIIM Cyber Security Awareness Talk on Emerging AI-Enabled Cyber Threats

CSIR-IIIM. NBRI

25th August, 2026

CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, on Tuesday organised a Cyber Security Awareness Talk as part of its three-month campaign on Preventive Vigilance, being held ahead of Vigilance Awareness Week 2026 under the theme "Probity for Prosperity."

The programme was held under the leadership of Dr. Zabeer Ahmed, Director, CSIR-IIIM Jammu and Director, CSIR-National Botanical Research Institute (CSIR-NBRI), Lucknow, who also addressed the gathering…

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Parliamentary panel visits CSIR-CFTRI, reviews millet technologies

CSIR-CFTRI 25th August, 2026

The Department-related Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change, headed by Rajya Sabha member Medha Vishram Kulkarni, visited CSIR-CFTRI in Mysuru on Monday (August 24). The delegation included several MPs, officials of the Rajya Sabha Secretariat, the Department of Scientific and Industrial Research (DSIR) and CSIR. Yaduveer Krishnadatta Chamaraja Wadiyar, Mysuru-Kodagu MP, was also present.

The committee visited the Centre of Excellence on Millets, where members witnessed a live demonstration of millet processing, covering cleaning, processing and packaging. A video showcasing the activities and achievements of CSIR-CFTRI was screened, followed by an interaction with the committee members. CSIR-CFTRI director Giridhar Parvatam gave an overview of the institute's major activities, highlighting its societal outreach programmes, national and international collaborations, technology development and transfer, capacity building, and research and development initiatives…

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New 'Pitambari' turmeric variety gains popularity among farmers in Koraput

CSIR-CIMAP 26th August, 2026

A new turmeric variety, 'Pitambari', is gradually gaining popularity among farmers in the hilly terrain of Koraput district, particularly in Pattangi block.

Known for its higher curcumin content compared to conventional varieties, the turmeric has emerged as a promising crop with strong commercial and medicinal potential.

Introduced on an experimental basis in 2023, the cultivation of Pitambari turmeric has now entered its third year. In the 2026-27 agricultural season, around 40 farmers are cultivating the variety across several villages in Pattangi block.

The cultivation is being promoted with support from the District Mineral Foundation (DMF) and scientific guidance from CIMAP, Lucknow. Senior scientist Dr Prashant Rout said that adopting scientific cultivation practices and strengthening post-harvest processing could turn Pitambari turmeric into a highly profitable crop for farmers…

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CSIR-SERC and SVCE Host Two-Day Structural Engineering Workshop Under CSIR-Integrated Skill Initiative

CSIR-SERC 26th August, 2026

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, in collaboration with Sri Venkateswara College of Engineering (SVCE), Sriperumbudur, organized a two-day workshop on "Structural Engineering" on August 24–25, 2026, under the national CSIR Integrated Skill Initiative aligned with Skill India and Atmanirbhar Bharat. Inaugurating the event, Dr. (Smt.) N. Anandavalli, Director, CSIR-SERC, emphasized the necessity of bridging academic concepts with practical civil engineering solutions…

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Cigarette butts pollute popular Goa beaches

CSIR-NIO 26th August, 2026

Researchers have recorded a very high number of cigarette butts in popular beaches of Goa, cautioning that the non-degradable waste material could release heavy metals into the coastal environment1. The team at CSIR-National Institute of Oceanography in Goa, which analysed the cigarette butts, says they could leach pollutants, posing a threat to both terrestrial and marine organisms and ecosystems.

The researchers probed the abundance, pollution status, and concentration of heavy metals in cigarette butts across eight beaches. They detected 758 butts across the beaches during high tide, mid tide and low tide. The average density of cigarette butts was 3.15 per square metre — the popular Baga beach had the highest at 5.77 per sq m, followed by Calangute and Arambol beaches. To assess the pollution status, the scientists used the Cigarette Butt Pollution Index (CBPI), which indicates severe pollution on the beaches, made worse by the high influx of tourists…

Read More: Nature

CSIR-SERC organises a Brainstorming session on “Energy Dissipation Systems: Challenges, Opportunities and the Way Forward”

CSIR-SERC

27th August, 2026

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai organised a brainstorming session on “Energy Dissipation Systems: Challenges, Opportunities and the Way Forward” in Chennai, on 25 August 2026. Scientists and research scholars of CSIR-SERC participated in the programme, which provided a platform for technical discussions and exchange of ideas on recent developments and future directions in energy dissipation systems for structural applications…

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Lessons From Nepal: CBRI Chief Explains Why Real-Time Glacial Monitoring And Early Warning Are Critical

CSIR-CBRI 27th August, 2026

The flood disaster in Nepal has once again highlighted the vulnerabilities of the Himalayan region. To understand the risk and how a similar situation can affect hill states in India, ETV Bharat spoke to Professor Pradeep Kumar Ramancharla, director of the Central Building Research Institute (CBRI), Roorkee, which is a constituent establishment of the Council of Scientific and Industrial Research (CSIR). Professor Kumar explained the steps needed to improve preparedness.

ETB: How would you assess the current flood situation in Nepal? What exactly happened and what made the event so severe?

Professor Kumar:The event appears to have unfolded with accelerated snowmelt caused by unusually warm and humid conditions. Meltwater seeped into cracks or crevasses in the glacier and reached the interface between the ice and the underlying rock, reducing stability on the steep slope…

Read More: Etvbharat

Karbi Anglong's rocky riverbanks yield centipede grass never recorded in India

CSIR-NEIST 27th August, 2026

A seemingly ordinary grass growing in cracks and debris among rocks along the Kopili river in Assam's Karbi Anglong has turned out to be a significant botanical find, with researchers recording the species in India for the first time.

Researchers from the CSIR-North East Institute of Science and Technology (NEIST), Jorhat, identified the grass as Eremochloa bimaculata Hack. during floristic surveys in Karbi Anglong between 2023 and 2025. Their findings have been published in the National Academy Science Letters.

The researchers, Dr Debolina Dey and Dr Mohan Lal, said the finding represents a new record for India, not a species new to science. E. bimaculata was described in 1889 and has previously been reported from Cambodia, south-central China, Myanmar, Thailand, Vietnam, New Guinea and parts of Australia. The Karbi Anglong record now extends its known distribution to India…

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UP's first fragrance park set to bloom in city

CSIR-NBRI 28th August, 2026

The city is set to get its first fragrance park, adding a new attraction to the Hussainabad heritage zone in the Old City. Developed by the Lucknow Development Authority (LDA), the park spreads across around 2.3 acres opposite the historic Ghanta Ghar (Clock Tower), developed at the cost of about Rs 4 crore. The park is first of its kind in the state.

Defence minister and Lucknow MP Rajnath Singh is set to inaugurate the park on Saturday, which has been designed to offer visitors an immersive experience of fragrant flowers and plants.

The park features a wide range of indigenous aromatic varieties, including jasmine, champa (Magnolia), parijaat (harsingar) and chandni, along with imported flowering and fragrant plants. Experts from the National Botanical Research Institute helped select the plants…

Read More: Times of India

CSIR-NGRI, DGH Sign MoU To Strengthen Cooperation In Geoscientific Exploration

CSIR-NGRI 28th August, 2026

The CSIR-National Geophysical Research Institute (CSIR-NGRI), located in the city, and the Directorate General of Hydrocarbons (DGH), ministry of petroleum and natural gas, have signed a memorandum of understanding (MoU) to strengthen cooperation in geoscientific exploration and subsurface resource assessment. The MoU was signed by DGH Director-General Dr Srikant Nagulapalli and NGRI Director Dr Prakash Kumar on Thursday.

Dr Nagulapalli said India's growing energy requirements made it necessary to strengthen domestic exploration through modern technologies, scientific expertise and institutional collaboration. He said partnerships between scientific institutions and exploration agencies would help advance exploration activities and contribute to the country's energy security…

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CSIR-CLRI Transfers Coffee Husk-Based Leather Technology to Bengaluru Firm

CSIR-CLRI

28th August, 2026

In a significant push toward circular economy and sustainable manufacturing, CSIR-Central Leather Research Institute (CSIR-CLRI), Chennai, signed a licensing agreement on August 27, 2026, with Bengaluru-based firm M/s. Husk & Hide to transfer its technology for producing leather-like material from coffee husk.

India generates over 1 lakh tonnes of coffee husk annually out of a total production of roughly 3.5 lakh metric tonnes. CSIR-CLRI's innovative "waste-to-wealth" process converts this underutilized agricultural residue into high-value lifestyle materials operating on a Zero Liquid and Zero Solid Waste Discharge model…

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NITI Aayog Member Dr M. Srinivas visits CSIR-IIIM Srinagar, reviews science-led initiatives for J&K

CSIR-IIIM

28th August, 2026

Member, NITI Aayog, Dr. M. Srinivas visited the CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Srinagar, on Friday and reviewed the institute's work in scientific research, innovation, entrepreneurship and societal initiatives in Jammu and Kashmir.

Accompanying Dr. Srinivas were Shri Subhash Chandra Meena, Economic Adviser, NITI Aayog; Dr. Muniraju S.B., Deputy Adviser, NITI Aayog; and Sumaya Yousuf, Program Lead, Atal Innovation Mission (AIM). The dignitaries interacted with scientists, scholars, officials and startups and reviewed various science-led initiatives being undertaken by CSIR-IIIM and its innovation ecosystem…

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Prof Ila Delivers Prof. K. Venkataraman Memorial Lecture at CSIR-NCL Pune

CSIR-NCL 29th August, 2026

CSIR-National Chemical Laboratory (CSIR-NCL), Pune, organised the Prof. K. Venkataraman Memorial Lecture on August 25, 2026, at SSBLT (PAML Building), Pune. Prof Ila, Hindustan Lever Research Professor and INSA Honorary Scientist at the New Chemistry Unit, JNCASR, Bengaluru, delivered the memorial lecture. The programme began with welcome remarks by Dr. Samir Chikkali, Chief Scientist, CSIR-NCL. Prof. S. Sivaram, Former Director, CSIR-NCL, introduced Prof Ila to the audience.

Prof Ila delivered the lecture titled "Flashbacks and Reflections from Six Decades in Chemistry: 1964–2025." During the lecture, Prof Ila shared highlights from her six-decade journey in chemistry, covering her education, research, teaching and experiences as a scientist…

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Scientists discover nine lichen species that help monitor environment

CSIR-NBRI 30th August, 2026

They may look like little patches of moss on rocks or tree trunks, but lichens can tell scientists a great deal about the health of the environment.

In a breakthrough, the CSIR-National Botanical Research Institute (CSIR-NBRI) has discovered nine lichen species in Madhya Pradesh's Maihar and Satna districts.

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The study, conducted by Gaurav K. Mishra of CSIR-NBRI, Lucknow, along with Shweta Tiwari and Kanchan Awasthi of Maharishi University of Information Technology (MUIT), Lucknow, has been published in the international journal Vegetos.

"Our findings show that the Vindhyachal region is home to a rich diversity of lichens, including many that were previously unrecorded from this area," said Mishra, a CSIR-NBRI scientist and co-author of the study…

Read More: Times of India

Hyderabad scientists turning a climate problem into a fuel solution

CSIR-IICT 30th August, 2026

Carbon dioxide is usually the problem, but Hyderabad scientists have developed a machine learning tool that could aid in the process of turning it into dimethyl ether (DME), a fuel that can be used as a diesel alternative or blended with LPG. The tool can predict which catalyst combinations are most likely to work, potentially reducing years of trial-and-error in laboratories.

Researchers at CSIR-Indian Institute of Chemical Technology (IICT) have developed a machine learning framework to speed up the search for catalysts that can convert carbon dioxide into DME. The framework predicts how different catalyst compositions and operating conditions could affect the amount of carbon dioxide converted and the quantity of DME produced…

Read More: Newindianexpress

Aim to advance geoscience research and exploration

CSIR-NGRI

31st August, 2026

The CSIR-National Geophysical Research Institute (CSIR-NGRI) and the Directorate General of Hydrocarbons (DGH), Ministry of Petroleum and Natural Gas, Government of India, have signed a Memorandum of Understanding (MoU) to strengthen cooperation in geoscientific exploration and subsurface resource assessment.

The MoU was signed by Dr Srikant Nagulapalli, Director General, DGH, and Dr Prakash Kumar, Director, CSIR-NGRI, in Hyderabad on Thursday. The signing ceremony was attended by Dr Sobhan Pathak, ADG, DGH, Devidutt Sangwar, Geologist, DGH, along with scientists and officials from CSIR-NGRI…

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