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CSIR  
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*The Innovation Engine of India*

# CSIR in Media

**News Bulletin**  
**01 To 15 June 2025**





# Lavender gave Bhaderwah national identity, national role in India's growth story: Dr Jitendra

CSIR-IIIM

01<sup>st</sup> June , 2025

Union Minister of State (Independent Charge) for Science and Technology, Minister of State (Independent Charge) for Earth Sciences, Minister of State in the Prime Minister's Office, Department of Atomic Energy, Department of Space, and Personnel, Public Grievances, and Pensions, Dr. Jitendra Singh lauded the Agri-Startup model of Lavender farming as a transformative force



that has rewritten the narrative of entrepreneurship in remote and hilly terrains. “This single mission has answered multiple challenges,” Dr Jitendra Singh said, “It busted the myth that StartUps are limited to IT or require foreign degrees. Our youth in Jammu & Kashmir, in collaboration with CSIR-IIIM, have shown that passion, perseverance, and learning can build sustainable ventures rooted in agriculture.”

He proudly shared that young entrepreneurs in Bhaderwah are earning an average of Rs 65 lakhs annually through lavender cultivation and value-added products, motivating many others to leave conventional jobs and pursue farming as a lucrative business opportunity. . .

Read More: [Statetimes](#)



# CSIR develops non-destructive technique to detect damage in aircraft

CSIR-NAL

01<sup>st</sup> June , 2025

The Council for Scientific and Industrial Research (CSIR) has developed a non-destructive evaluation (NDE) framework to detect damage in aircraft components by using ultrasonic guided waves, offering a faster and more cost-effective method over conventional techniques.

This will improve aircraft safety and maintenance through reliable damage detection and will benefit not only the civil aviation sector but also be useful for the armed forces in their day-to-day functioning as well as assessments for life extension programmes.

Researchers at CSIR's National Aerospace Laboratory (NAL) demonstrated the use of low-frequency guided wave-based damage detection in aircraft structures.

They found that significant wavefield interruptions indicated damage presence in a component while pristine structures showed smooth wave patterns. Amplified wave mode responses confirmed damage detection accuracy and effective localisation of multiple affected zones validated the robustness of the detection framework...

**Read More:** [Tribuneindia](https://tribuneindia.com)



# Ramanathapuram Collector distributes 60 tonnes of Kappaphycus seed to women cultivators

CSIR-CSMCRI

02<sup>nd</sup> June , 2025

Ramanathapuram Collector Simranjeet Singh Kahlon, along with Kannan Srinivasan, Director, CSIR-CSMCRI, Bhavnagar, distributed 60 tonnes of Kappaphycus seed to 60 beneficiaries during a project closure ceremony at Marine Algal Research Station in Mandapam, recently. To revive production of red seaweed Kappaphycus alvarezii and to support women cultivators who rely on



seaweed farming, the initiative to restore the farming activity and production rate, a seed bank for Kappaphycus alvarezii was established by CSIR-CSMCRI-Marine Algal research station, Mandapam camp in 2021 near the Umayalpuram coast, Mandapam.

The initiative, which was undertaken under the Ministry of Fisheries, Animal Husbandry, and Dairying, Government. of India, funded project in PMMSY scheme, earmarked 300 tonne as the target...

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



# CCMB team finds clues to Darwin's 'abominable mystery' in common plant

CSIR-CCMB

03<sup>rd</sup> June , 2025

Life on the earth depends on plants. Microscopic aquatic plants and algae make most of the oxygen on the planet. The land plants are the primary producers of human and animal food. This is why it's important to understand how they grow and reproduce. In the last 450 million years, as plants slowly evolved from freshwater algae and moved from aquatic ecosystems to moist land to drier land, their life-cycles also changed significantly.

But something curious happened about 130 million years ago, soon after flowering plants first appeared. Fossils from that period suggest flowering plants diversified rapidly in terms of their anatomies and habitats. Evolution is understood to be a gradual process, and the rapid emergence of diverse flowering plants has thus been a puzzle. Charles Darwin called this an "abominable mystery".

A recent paper by a team of researchers at the CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad, shed light on the molecular innovations in flowering plants that could help understand this mystery...

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



# AMR May Meet Its Match: New Compound Shows Preclinical Promise

CSIR-CDRI

03<sup>rd</sup> June , 2025

Antimicrobial resistance (AMR) is outpacing drug discovery—and killing more than a million people each year. As frontline antibiotics lose their effectiveness, healthcare systems around the world face a rising tide of infections that no longer respond to treatment. The World Health Organization (WHO) now classifies AMR as one of the top global public health threats, with more than 35 million deaths annually linked to resistant infections.

In response to this mounting crisis, researchers have synthesized a promising compound called infuzide that demonstrates potent activity against two problematic, gram-positive pathogens in mice: *Staphylococcus aureus* and *Enterococcus* species. The findings, “Comprehensive biological evaluation of infuzide as a potent antimicrobial, alone and in combination with gentamicin, linezolid, and minocycline targeting MDR *Staphylococcus aureus* and *Enterococcus* sp.,” published in *Microbiology Spectrum*, highlight infuzide’s potential as a next-generation antimicrobial agent...

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



# Electric power in the skies: India to develop indigenous electric aircraft for pilot training

CSIR-NAL

04<sup>th</sup> June , 2025

India is set to develop an indigenous electric aircraft for pilot training. The electric aircraft, named 'E-Hansa' (Electric Hansa), is being designed and developed by CSIR–National Aerospace Laboratories (NAL) in Bengaluru. The E-Hansa is part of the Hansa-3 (NG) aircraft series, which was also developed indigenously for pilot training purposes.

In its initial phase, the E-Hansa will feature a two-seat configuration. The project is being led by the Ministry of Science and Technology. The manufacturing cost is estimated at Rs 2 crore, which is half the price of similar imported aircraft. The initiative is expected to bolster the Atmanirbhar Bharat (Self-Reliant India) Mission. The aircraft could also be used for marine surveillance and national security, in addition to promoting green energy in aviation. At present, pilot training in India is typically conducted using aircraft like the Cessna 152 from the United States.

## 15 years, 30,000 pilots needed

The E-Hansa will be used for private and commercial pilot license training. Over the next 15 years, India will require around 30,000 pilots. However, many of the aircraft currently used by the country's flying training organisations are old and inefficient. With the introduction of the E-Hansa, training can be conducted at a lower cost, making aviation more accessible and attracting more candidates to the sector. The project is also expected to create opportunities for startups and MSMEs...

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# NITI Aayog Advances R&D Reforms in Second Consultative Meeting on Ease of Doing R&D at CSIR – Indian Institute of Petroleum (CSIR-IIP), Dehradun

CSIR-IIP

04<sup>th</sup> June , 2025

The Second National Consultative Meeting on reforming India's Research and Development (R&D) ecosystem commenced today at the CSIR – Indian Institute of Petroleum (CSIR-IIP), Dehradun, Uttarakhand. Organized under the Chairpersonship of Dr. V.K. Saraswat, Member, NITI Aayog, the two-day meeting builds upon the outcomes of the first consultative dialogue held in May 2025 at Raj



Bhawan, Lucknow, and marks the second installment in a series of regional meetings planned to address systemic challenges in India's research and development ecosystem. This ongoing initiative by NITI Aayog aims to enable a forward-looking, innovation-driven, and resilient research ecosystem in the country, with a particular focus on strengthening the capacities of government-funded R&D institutions and laboratories...

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# World Environment Day at NEERI on June 5

CSIR-NEERI

04<sup>th</sup> June , 2025

Dr K Rajeevan, Vice President and Chief Technology Officer, Larsen and Toubro Limited, Chennai, will be the Chief Guest and address the gathering.. Dr S Venkata Mohan, Director, CSIR-NEERI, stated that CSIR-NEERI celebrates World Environment Day every year to promote environmental awareness, encourage sustainable practices, and showcase its scientific contributions towards environmental protection. The celebration aims to engage stakeholders, students, and the community through meaningful interactions and highlight S and T interventions developed by CSIR-NEERI in the areas of air, water, waste management and eco-restoration.

Read More: [Thelivenagpur](#)



# CSIR-CLRI celebrates National Technology Day and World Environment Day 2025



CSIR-CLRI

04<sup>th</sup> June , 2025

The CSIR-Central Leather Research Institute (CSIR-CLRI) in Chennai commemorated National Technology Day and World Environment Day 2025 with a joint celebration on Wednesday, underscoring the pivotal role of science and technology in promoting environmental sustainability.

The event brought together scientists, academicians, environmentalists, and industry leaders to deliberate on sustainable innovations in the leather and allied sectors. Dr. K. J. Sreeram, Director of CSIR-CLRI, welcomed the gathering and highlighted the institute's commitment to eco-friendly technologies, particularly in leather products, sustainable fashion, and alternative materials.

Delivering the keynote address, Dr. Atul Narayan Vaidya, Vice-Chancellor of Laxminarayan Innovation Technological University, Nagpur, spoke on “Beating Plastic Pollution: Environmental and Technological Perspective.” He stressed the urgency for innovative, field-ready solutions to tackle the escalating plastic crisis. Dr. Vaidya emphasized the need for effective monitoring systems, public engagement, and the seamless transition of lab-based research to practical applications.

Earlier, Dr. S. Ganesh, Senior Principal Scientist and Head of the Knowledge Portfolio Management Unit at CSIR-CLRI, provided a background on the significance of National Technology Day and World Environment Day, setting the context for the day's proceedings.

As part of the celebration, certificates were awarded to inventors responsible for successful technology transfers to industry partners, acknowledging their contributions to applied innovation and sustainability.

The event reinforced CSIR-CLRI's leadership in integrating environmental concerns with technological advancements for a cleaner, more sustainable future.

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



# Better ambient air quality this year in Lucknow, yet not good enough, says IITR report

CSIR-IITR

04<sup>th</sup> June , 2025

Though the city has observed better ambient air quality this year as compared to the previous year's pre-monsoon report, it continued to be above the permissible limits of NAAQS despite implementing air pollution control measures in the city such as enforcement of BS-VI compliant vehicles, and promotion of CNG and e-vehicles.

This was highlighted in the 'Assessment of Ambient Air Quality of Lucknow City Pre-Monsoon 2025' report released by the Council of Scientific and Industrial Research-Indian Institute of Toxicology Research (CSIR-IITR) on Wednesday.

The particulate matter (PM) concentrations were observed from pre-monsoon 2024 to pre-monsoon 2025. The PM<sub>10</sub> concentrations decreased by 9.8%, 14.6%, and 4.9% while PM<sub>2.5</sub> concentrations declined by 13.6%, 17.2%, and 17.4% in residential, commercial, and industrial areas, respectively. However, they exceeded the NAAQS limits -- 100 for PM<sub>10</sub> and 60 for PM<sub>2.5</sub>.

The PM<sub>10</sub> levels remained relatively stable at Aliganj and Vikas Nagar, while Indira Nagar and Gomti Nagar showed an increase in 2024, followed by a decline in 2025...

Read More: [Hindustantimes](#)



# UP Farmers using green tech to tap solar power, reap benefits

CSIR-CIMAP

05<sup>th</sup> June , 2025

Around 35km away from Lucknow, this village in Barabanki is among a handful of villages in the country using solar power for extraction of essential oil from aromatic crops like mint and others grown in agricultural fields. Treading on the path of becoming a flagbearer of sustainable farming, over 35 farmers from Bandhiya (Gangwara) village, in Dewa, Barabanki, are using solar power to save nature and resources.

This green technology adoption became a reality for this small village with the support of CSIR-Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow. The initiative, named 'MintUP' project, is sponsored by Haleon UK Pvt Ltd.

In a groundbreaking achievement, CIMAP developed an eco-friendly centralised solar hybrid distillation unit (CSHDU) for essential oil extraction from aromatic crops. According to scientists, this innovative technology is set to revolutionise the agriculture sector by reducing carbon emissions, increasing farmers' income, and promoting sustainable practices...

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# Wrappers and bottles choking mangroves: NIO study

CSIR-NIO

05<sup>th</sup> June , 2025

The state's mangrove forests are highly vulnerable to litter pollution. Mangrove degradation induced by litter pollution may directly impact the health of mangroves and the functions of related ecosystems too, says a study titled, 'Anthropogenic Litter Pollution in the Mangrove Blue Carbon Ecosystem'.

The study has been authored by experts from the National Institute of Oceanography (NIO), Goa, and was published in the Science Direct journal last month.

According to the study, plastic items, particularly single-use plastics such as various types of wrappers, bags, and bottles dominate the overall litter composition. The study states that much of the litter originates from land-based sources, including urban run-off, tourism, and improper disposal of garbage.

“Macrolitters, such as bottles, bags, and packaging, accumulate in mangrove forests; they may obstruct water flow and nutrient cycling through the mangrove roots,” the study says...

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# EV cars, two-wheelers driving Lucknow closer to green goals

CSIR-IITR

05<sup>th</sup> June , 2025

Gradual increase in the number of electric vehicles (EV cars and two-wheelers) on Lucknow roads in the last one year and other air pollution abatement measures have brought positive changes in the city's air quality.

As compared to pre-monsoon period in 2024, the corresponding duration is less polluted this year, according to the 'Assessment of Ambient Air Quality of Lucknow City', a pre-monsoon 2025 report released by CSIR-Indian Institute of Toxicology Research (CSIR-IITR) on the eve of World Environment Day on Wednesday.

According to the report, nine localities of the state capital, comprising four commercial and residential each, and one industrial, were monitored in April-May (pre-monsoon period).

The report highlighted that though there is a declining trend in pollution levels as compared to the corresponding period last year, the average pollutant concentration levels recorded were above the safe or permissible limits set by the National Ambient Air Quality Standards (NAAQS).

According to NAAQS, the PM 10 concentration should not be more than 100 and PM 2.5 concentration should not be more than 60 micrograms per cubic metre of air...

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



## 10 acres of land on lease to CSIR-NIIST

CSIR-NIIST

05<sup>th</sup> June , 2025



The Cabinet on Thursday decided to lease 10 acres of land to the Council of Scientific and Industrial Research (CSIR)-National Institute of Interdisciplinary Science and Technology (NIIST) for a period of 90 years without any financial obligation.

The CSIR-NIIST had approved the establishment of a Centre for Innovation, Technology and Entrepreneurship at the Bio 360 Life Science Park Phase II of the Kerala Life Science Industries Park (KLIP) at Thonnakkal in Thiruvananthapuram with an investment of 215 crore, a release said.

The Cabinet granted permission for the continuation of 688 temporary posts in various offices operating under the control of the Land Board under the Revenue department for one more year.

The Cabinet also decided to revise the monthly salary of special public prosecutors from 60,000 to 70,000 with effect from January 1, 2025.

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



# CSIR-IMMT celebrates World Environment Day -2025

CSIR-IMMT

05<sup>th</sup> June , 2025

CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, celebrated World Environment Day on Thursday with great enthusiasm through awareness initiatives and plantation activities aligned with the global theme “Beat Plastic Pollution” The day began with a congregational gathering and fruit sapling plantation at the Bose-Einstein International Residence (BEIR) within the CSIR-IMMT campus.

The planation was graced by Dr.Laxmidhar Besra, Director-In-Charge & Chief Scientist, along with scientists, research scholars, staff members, and children, symbolizing a collective commitment to environmental sustainability. The afternoon session featured the main program of the World Environment Day celebration.

Dr.Rajesh Roshan Dash, Professor at IIT Bhubaneswar, graced the occasion as the Chief Guest, while Santosh Kumar Pattajoshi, Senior Area Manager (Environment), Tata Steel Ltd., joined as the Guest of Honour...

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



## Focus on bamboo to beat plastic marks WED 2025

CSIR-NEIST

05<sup>th</sup> June , 2025

CSIR-North East Institute of Science and Technology (NEIST), Branch Laboratory, Lamphelpat, in collaboration with Apunba Imagi Machasing (AIMS), Manipur, observed World Environment Day 2025 with a firm message regarding eliminating plastic pollution.

The programme was attended by CSIR-NEIST chief scientist Dr Huidrom Birkumar Singh as chief guest and AIMS president Mayanglambam Khelendro Singh as president while Health Services Manipur retired additional director Dr S Manikanta Singh and Dhanamanjuri University assistant professor Dr Rk Chingkhei were guests of honour.

The programme began with a tree plantation at CSIR-NEIST, Imphal campus.

During his keynote address, AIMS director Dr Atom Sunil Singh emphasised that addressing the plastic pollution problem was not just about eliminating already generated waste but about replacing toxic materials in its entirety.

He emphasised the need to shift toward regenerative, biodegradable substitutes, especially those coming from local ecosystems and indigenous knowledge systems with bamboo as a good alternative...

**Read More: [Chronicle News Service](#)**



# MP Yaduveer inaugurates World Environment Day at CFTRI

CSIR-CFTRI

05<sup>th</sup> June , 2025



Mysuru-Kodagu MP Yaduveer Krishnadatta Chamaraja Wadiyar said that the annual World Environment Day is being celebrated today for encouraging awareness and action for the protection of the environment.

He was speaking after inaugurating the World Environment Day-2025 celebration organised by CSIR-CFTRI (Central Food Technological Research Institute) at IFTTC Auditorium in CFTRI campus here this morning...

[Read More: Starofmysore](#)



# CSIR-IIIM Jammu celebrates World Environment Day with 'Art from Waste', tree plantation at RRL High School

CSIR-IIIM

05<sup>th</sup> June , 2025



Dr. Zabeer Ahmed, Director, CSIR-IIIM along with students and faculty of RRL High School, Jammu

The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu celebrated environment day at its Regional Research Laboratory (RRL) High School, Jammu, under the CSIR-Jigyasa Mission. The event aimed to engage students through creative, hands-on activities centered on sustainability and responsible use of resources.

Students between 10 to 15 years from RRL High School and Heritage School enthusiastically participated in the “Art from Waste” activity, creating artwork exclusively from discarded materials without using any plastic. This initiative attracted and encouraged young minds to think innovatively about environmental protection through recycling and reuse...

Read More: [State times](#)



# A quaint J&K town is turning purple with prosperity thanks to lavender culture

CSIR-IIIM

05<sup>th</sup> June , 2025

A six-hour drive from Jammu leads to the quiet hilly town of Bhaderwah, which is blanketed in purple this time of year, thanks to the sea of lavender spread across the town, giving a new identity to the place.

Union Minister Jitendra Singh, who inaugurated the Lavender Festival 2025 in Bhaderwah, called the town the Lavender Capital of India and the birthplace of the country's 'Purple Revolution'.



The Indian Institute of Integrative Medicine (IIIM), under CSIR, introduced the aromatic flower to the temperate areas of Jammu through the Aroma Mission, following earlier trials in Kashmir in the 1980s and 1990s. The seeds were first planted in 2017 when farmers in Bhaderwah, the small town in Jammu and Kashmir's Doda district, decided to experiment with lavender, a crop previously unheard of in the region, CSIR-IIIM Director Zabeer Ahmad told PTI. Many farmers gave up traditional crops like paddy and maize, which were being increasingly destroyed by monkeys and other animals.

"Back then, monkeys used to destroy our maize crops. The lavender's strong scent keeps them away," Ahmad said, adding that this crop has given them peace, income, and purpose.

Arjun Raina, founder of Ridayu Botanics and CEO of Girdharilal Holistics (Kisan Udyami), told PTI that he started lavender farming with his grandfather Girdharilal in 2017 when he was just in Class 10. . .

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



# Covid traces in Pune sewage, akin to those before previous surges

CSIR-NCL

05<sup>th</sup> June , 2025

Covid-19 viral presence has been detected across all 10 sewage treatment plants in the city since early May, with wastewater surveillance by CSIR-National Chemical Laboratory (NCL) revealing patterns that resemble the early build-up phases observed before previous surges.

Dr Mahesh S. Dharne, scientist and microbiologist at NCL, told TOI that while the current rise "appears gradual", the positivity levels in wastewater samples are tracking similarly to patterns seen in the weeks preceding earlier surges, providing valuable early insights into Covid transmission trends. "The first sample turned positive on April 22 from one of the STPs. From May 6 onwards, all STPs are showing positive results for SARS-CoV-2 via RT-PCR," he said. Wastewater surveillance has emerged as a critical early warning system for tracking community spread of Covid-19, often detecting viral presence days or weeks before clinical cases are reported. The method involves monitoring sewage samples from treatment plants to identify genetic material of the SARS-CoV-2 shed by infected individuals, regardless of if they show symptoms or get tested.

This surveillance technique provides public health officials with real-time insights into infection trends across entire communities, making it particularly valuable for tracking asymptomatic cases and emerging variants. Unlike clinical testing, which depends on individual behaviour and healthcare access, wastewater monitoring captures the collective viral load of entire populations served by specific sewage systems...

**Read More:** [timesofindia.indiatimes](https://timesofindia.indiatimes.com)



# Charbagh, Indiranagar found to be Lucknow's noisiest areas, says IITR report

CSIR-IITR

05<sup>th</sup> June , 2025

There may be a let up in air pollution level in the city in the past one year, but there is no relief in noise pollution recorded during the day and night hours. Charbagh and Indiranagar are the noisiest in Lucknow both during the day and night, according to the IITR's pre-monsoon noise monitoring report. In residential areas, Gomtinagar was the noisiest during the daytime recording average 75.2 decibel noise followed by Aliganj (74.4), Indiranagar (71.3) and Vikasnagar 70.1.

During the night, Aliganj was the noisiest with 69.5 decibel noise followed by Indiranagar (63.5), Vikasnagar (62.7) and Gomtinagar 62.3. The permissible limit during the day in residential areas is 55 decibels and 45 decibels during the night. In commercial areas, Charbagh was the noisiest during the day with average noise level recorded at 91.8 decibels followed by Chowk (90.4), Alambagh (88.3) and Aminabad (80.5). During the night, Charbagh was the noisiest (84.6) followed by Chowk (80.5), Aminabad (76.5) and Alambagh (75.3).

The permissible limit for noise levels in commercial areas during the day is 65 decibels and 55 decibels during the night. According to the report, noise level during the night in residential areas has decreased slightly over the years, except in Aliganj, where a marginal increase was observed...

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



# CCMB's DNA Test Shields Pashmina Trade From Shahtoosh Trouble

CSIR-CCMB

05<sup>th</sup> June , 2025

A new DNA test developed by the Centre for Cellular and Molecular Biology (CCMB) can reliably distinguish between pashmina and banned shahtoosh, protecting both the endangered Tibetan antelope and the pashmina trade. The test analyses mitochondrial DNA from wool fibres to solve a longstanding problem: pashmina and shahtoosh are both animal fibres made of keratin, and look almost identical. “Only under high-powered microscopes can you sometimes tell them apart,” said Dr Karthikeyan Vasudevan, chief scientist at CCMB.

Shahtoosh, sourced from the Tibetan antelope or chiru, is banned under the Wildlife (Protection) Act, 1972. Possession or trade can lead to three to seven years of imprisonment. Yet, it is often smuggled and mislabelled as pashmina, leading to raids and legal trouble for legitimate traders. Extracting DNA from processed wool is difficult, but CCMB found a way to isolate even degraded fragments. “Even one copy of mitochondrial DNA is enough,” said Dr Vasudevan. “It worked even on 18th-century shawls.”

The sampling process is simple and non-invasive, a sterile toothbrush is used to collect microfibrils, which are sealed and sent to a lab. Results come within 24 hours and batch testing is possible. “Many shipments were seized just on suspicion,” said Imran Rashid, general secretary of the Pashmina Exporters and Manufacturers Association. “Wildlife officials and customs would act, but even inspectors couldn’t confirm the fibre type on the spot. We’d be told the samples would go to Dehradun, and the process could take years. Inconsistent test results from different labs and prolonged legal hassles cost exporters money and reputation,” he said...

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



# Prudent use of natural resources need of hour

CSIR-IITR, NBRI

06<sup>th</sup> June , 2025

There were green celebrations at almost every medical, scientific, and academic institute in the city. From releasing a special stamp to lectures, touching every aspect of the environment, events were held across the city to celebrate World Environment Day on Thursday. Earth magazine released at IITR

At the CSIR-Indian Institute of Toxicology Research, the celebration commenced with a plantation, symbolizing the commitment to environmental sustainability. This was followed by the formal inauguration of the science exhibition. EARTH 2025, a magazine focused on environmental research and technological harmonization, and the "My Stamp" card, a special commemorative stamp reflecting CSIR-IITR's contributions, was released.

## NBRI

National Botanical Research Institute, Lucknow, and the International Society of Environmental Botanists (ISEB) jointly celebrated World Environment Day.

On the occasion, director of CSIR-NBRI, Ajit Kumar Shasany, highlighted the importance of this year's theme. He said that awareness regarding the sustainable use of our natural resources is the need of the hour. We must change our lifestyle to save our environment. Dr Shasany also highlighted various initiatives of CSIR-NBRI for mitigating plastic pollution and identifying plants for pollution remediation.

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



# On a wing and a prayer: India's quest to manufacture training aircraft

CSIR-NAL

06<sup>th</sup> June , 2025



The Council of Scientific and Industrial Research – National Aerospace Laboratories (CSIR-NAL) announced that it had entered into a “historic agreement” with a private company, Pioneer Clean AMPS Pvt Ltd, to manufacture the upgraded version of the Hansa-3, called the Hansa-3 NG (Next Generation). This two-seater trainer aircraft gives trainee pilots the opportunity to practise within India while undergoing their basic flying training.

Touted as “India’s only government R&D organisation in civil aircraft development”, CSIR-NAL is in Bengaluru and was established in 1959. “While we have had a successful track record, we have now managed to seal a partnership with a private company, which will manufacture these planes,” N. Kalaiselvi, Director-General, CSIR, had said at the launch event held in Delhi. It was also presided over by Union Minister for Science and Technology Jitendra Singh and Minister for Civil Aviation Ram Mohan Naidu...

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



# Neeri studying health effects of microplastics, experts discuss sustainable tech, waste management

CSIR-NEERI

06<sup>th</sup> June , 2025

CSIR-Neeri director Dr S Venkata Mohan on Thursday expressed concern over plastic waste entering the oceans during his address at the institute's auditorium on the occasion of World Environment Day. "Plastic waste is a major issue globally. Only 10% of plastic is being recycled. Plastic management is a multi-pronged issue. Neeri is monitoring microplastic, toxicology and health issues from it," he said.



Dr Mohan described Neeri's role in plastics management, including the monitoring of microplastics in air, water, and soil. He also mentioned that Neeri is actively involved in health studies related to microplastic exposure. He briefed the audience on technologies such as waste-to-graphene conversion and thermocatalytic combustion for plastic waste management.

K Rajeevan, vice president and chief technology officer, Larsen and Toubro Limited, Chennai, was the chief guest. Besides Dr Mohan, Dr P Ganesh Kumar, R&D Head, L&T Water Technology Centre, Chennai, was also present. A meeting was also held between Rajeevan and Neeri scientists to explore new avenues for joint research, technology transfer, and deployment...

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



# Saving endangered species, one DNA sample at a time: Here is Delhi Zoo's new conservation plan

CSIR-CCMB

07<sup>th</sup> June , 2025

Eyeing long-term conservation and research projects, the National Zoological Park (NZP) in Delhi is exploring the possibility of setting up an on-site wildlife biobank in collaboration with the Centre for Cellular and Molecular Biology (CCMB) in Hyderabad.

The proposed facility is expected to collect and preserve genetic material — DNA, tissues, reproductive cells — from animals at the zoo. The initiative is part of a broader effort led by the Central Zoo Authority (CZA) to strengthen ex-situ conservation in Indian zoos.

The biobank at the zoo in the Capital is expected to follow a model already implemented at the Padmaja Naidu Himalayan Zoological Park in Darjeeling, which became the first to establish such a facility under the initiative earlier this year.

While the process is in its early stages, officials involved in the project said the proposed biobank in the city could contribute to building a national repository of genetic material for conservation science. The samples collected are intended strictly for research and regulated breeding purposes, under the supervision of the CZA and CCMB, as third-party usage requires explicit approval.

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



# प्लास्टिक प्रदूषण रोकने का संकल्प, विश्व पर्यावरण दिवस पर राजधानी में अलग-अलग जगहों पर किया आयोजन

CSIR-NBRI

06<sup>th</sup> June , 2025

राष्ट्रीय वनस्पति अनुसंधान संस्थान व इंटरनेशनल सोसाइटी ऑफ़ एनवायर्नमेंटल बॉटनिस्ट्स द्वारा विश्व पर्यावरण दिवस समारोह आयोजित किया गया। इस अवसर पर उत्तर प्रदेश वन निगम के जनरल मैनेजर संजय के.पाठक मुख्य अतिथि थे। जबकि क्लेम्सन यूनिवर्सिटी, साउथ कैरोलिना, यूएसए के प्रो. पुनीत के. द्विवेदी, समारोह में विशिष्ट अतिथि के रूप में उपस्थित रहे। सीएसआईआर एनबीआरआई के निदेशक डॉ. एके शासनी ने समारोह की अध्यक्षता की।



इस अवसर पर प्रो. पुनीत के. द्विवेदी ने संयुक्त राज्य अमेरिका में संरक्षण रिजर्व कार्यक्रम भारत के लिए संभावित सबक पर एक व्याख्यान भी दिया।

इस अवसर पर इंटरनेशनल सोसाइटी ऑफ़ एनवायर्नमेंटल बॉटनिस्ट्स ने अपना 30वां स्थापना दिवस भी मनाया। डॉ. शासनी ने प्लास्टिक प्रदूषण को कम करने, प्रदूषण निवारण के लिए पौधों की पहचान करने के लिए सीएसआईआर एनबीआरआई द्वारा की जा रही विभिन्न पहलों पर भी प्रकाश डाला। संजय कुमार पाठक ने कहा कि आज के दौर में प्लास्टिक प्रदूषण बहुत चिंताजनक है, इसलिए संयुक्त राष्ट्र द्वारा हाल के वर्षों पर्यावरण दिवस के अवसर पर प्लास्टिक प्रदूषण पर आधारित थीम को अधिक महत्व दिया गया है। समारोह के विशिष्ट अतिथि प्रो. द्विवेदी ने अपने व्याख्यान में अमेरिका की भूमि संरक्षण पहलों के बारे में बताया, जिनका उपयोग भारत द्वारा स्थायी कृषि और पर्यावरण नीतियों के लिए किया जा सकता है। इससे पहले आईएसईबी के वरिष्ठ प्रधान वैज्ञानिक एवं सचिव डॉ. सौमित कुमार बेहरा ने संस्थान और इंटरनेशनल सोसाइटी ऑफ़ एनवायर्नमेंटल बॉटनिस्ट्स (आईएसईबी) की गतिविधियों पर प्रकाश डालते हुए बताया कि...

Read More: [Amritvichar](#)



# Mangaldai College Wins Assam's Best Eco Club Award 2024

CSIR-NEIST

07<sup>th</sup> June , 2025

Mangaldai College has been conferred with the State's Best Eco Club Award 2024 by the Assam Science Technology and Environment Council(ASTEC) for its outstanding contribution to environmental conservation.

The award was received on behalf of the college by Eco Club Coordinator Dr. Debashree Kakati and student Susmita Saharia during a prestigious ceremony held at the IASST conference hall. The award was presented by Assam Science and Technology Minister Keshab Mahanta.



The event was graced by ASTEC Director Dr. Jaideep Baruah, CSIR-NEIST scientist Dr. Binoy Kr. Saikia, and IASST Director Professor Ashish K. Mukherjee, adding significance to the occasion.

Selected from over 3,500 eco clubs across Assam, Mangaldai College's Eco Club was recognized for its exceptional efforts in promoting environmental awareness, conservation activities, and community engagement.

Principal Dr. Kamala Kanta Borah expressed heartfelt gratitude to the college community, acknowledging their collective efforts in achieving this prestigious recognition.

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



# मुंगेर गंगा पुल के पश्चिम की ओर सीएसआईआर चेन्नई की टीम ने किया स्पैन लोड टेस्ट, यातायात रहा बाधित

CSIR-SERC

07<sup>th</sup> June , 2025

मुंगेर गंगा पुल के पश्चिम की ओर शनिवार को स्ट्रक्चरल इंजीनियरिंग रिसर्च सेंटर चेन्नई की पांच सदस्यीय वैज्ञानिकों की टीम ने स्पैन लोड टेस्ट लिया. इस दौरान सड़क पुल पर 49 टन लोड देकर स्पैन (पाया) की जांच की गयी. इस कारण पुल पर पूरे दिन छोटे-बड़े वाहनों की आवाजाही बंद रही और दोनों ओर वाहनों की लंबी कतारें लगी रही. बताया गया कि टीम एक महीने के अंदर अपनी जांच रिपोर्ट तैयार करेगी. जिसे एनएचएआइ और हाजीपुर रेल मंडल को सौंपा जायेगा.

शनिवार को सीएसआईआर-एसईआरसी चेन्नई के वैज्ञानिकों की पांच सदस्यीय टीम ने पूर्वाह्न 11 बजे से पश्चिम की ओर से पुल का स्पैन लोड टेस्ट शुरू किया. टीम में सিনিयर वैज्ञानिक डॉ श्रीवासन बेंगू, डॉ सप्तऋषि सवंल, डॉ एम कुम्मु स्वामी, डॉ अरुण कुमार और दीपक कुमार थे. इस दौरान 49-49 टन भार क्षमता के 6 ट्रकों को पार करा कर स्पैन लोड टेस्टिंग किया गया. इस दौरान तरह-तरह के ऑटोमेटिक मशीन से स्पैन पर पड़ने वाले लोड को मापा गया.

## गंगा पुल पर वाहनों का परिचालन रहा बंद

मुंगेर गंगा पुल के स्पैन लोड टेस्टिंग के कारण शनिवार को पूरे दिन पुल होकर बड़े-छोटे वाहनों की आवाजाही पूरी तरह बंद रही. इस दौरान सवारी गाड़ी नहीं चलने के कारण खगड़िया से मुंगेर या मुंगेर से खगड़िया की ओर आने-जाने वाले लोग परेशान रहे. पुल पर टेस्टिंग के कारण जहां मुंगेर की ओर से खगड़िया जाने वाले वाहनों को पुल के नीचे ही एनएच पर रोक दिया गया था. वहीं खगड़िया की ओर से मुंगेर आने वाले वाहनों को टोल प्लाजा के पास ही रोक दिया गया था. हालांकि, पुल बंद रहने के कारण शनिवार को तपती धूप में कई लोग पुल पैदल की पार करते दिखे...

Read More: [Prabhatkhabar](https://prabhatkhabar.com)



# CFTRI's nutrition initiative helps 500 malnourished Anganwadi kids in Mysore district

CSIR-CFTRI

08<sup>th</sup> June , 2025

CSIR-CFTRI has begun the process of Nutrition Intervention Programme on pilot basis for six months to address malnourishment issues among 500 Anganwadi children between two to five years of age in Mysuru district.

CFTRI has taken it up with the Corporate Social Responsibility (CSR) funds of Bank Note Paper Mill India Pvt ((BNPM) along with officials of Department of Health and Family Welfare Services and Department of Women and Child Development Department, Government of Karnataka.

Dr Mohammed Shiraz Ahmed, Reproductive and Child Health Officer (RCHO), DHFW Ahmed informed, "the micronutrient status of children selected for the programme is being assessed with tests including Haemoglobin, Ferritin, Vitamin B 12, Folic acid, Albumin, Zinc before the programme began last month. Also nutritional status is being assessed regularly to study the impact of the intervention," he said.

B Basavaraju, Deputy Director, DWCD said, "CFTRI is providing a kit comprising supplementary food developed by it for alleviation of malnutrition. They are providing Energy and ...

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



# Bhadewah is turning purple with prosperity, thanks to lavender farming

CSIR-IIIM

08<sup>th</sup> June , 2025

A six-hour drive from Jammu leads to the quiet hilly town of Bhaderwah, which is blanketed in purple this time of year, thanks to the sea of lavender spread across the town, giving a new identity to the place. From using lavender in traditional Dogri embroidery to making essential oils, beauty products and food syrups infused with this flowering plant, Bhaderwah, once known for its maize fields, is embracing lavender to bring about an economic transformation to their small town.



Union Minister Jitendra Singh, who inaugurated the Lavender Festival 2025 in Bhaderwah, called the town the Lavender Capital of India and the birthplace of the country's "Purple Revolution".

The Indian Institute of Integrative Medicine (IIIM), under CSIR, introduced the aromatic flower to the temperate areas of Jammu through the Aroma Mission, following earlier trials in Kashmir in the 1980s and 1990s...

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



# India's embayed beaches are vanishing due to a mix of climate change and human activity

CSIR-NIO

09<sup>th</sup> June , 2025

India's Western Coastal Plains lies between the western part of the Deccan plateau and the Arabian Sea. The plains extend from the Kutch region in Gujarat to Kanyakumari, the southernmost tip of the Indian peninsula in Tamil Nadu, with the Western Ghats forming their eastern boundary. The place where the land meets the sea has been shaped by the waves & tides over thousands of years. In recent years, however, the beaches in the region have been slowly shrinking, with the sand washing away and the coastline changing.



To understand the changes taking place, researchers from the CSIR-National Institute of Oceanography, Goa, the Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, and Bharathidasan University, Tiruchirappalli, conducted a detailed study of embayed beaches along India's west coast. Embayed beaches are those that are tucked into bays, often nestled between rocky headlands. They have been facing increasing pressure from both a changing climate and human activities. The researchers aimed to understand precisely how these unique beaches are changing and what is causing it, examining the past three decades...

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



# CSIR-SERC To Maintain World's Highest Railway Bridge In Jammu Kashmir: Director Anandavalli

CSIR-SERC

09<sup>th</sup> June , 2025



CSIR-Structural Engineering Research Centre (SERC) Director N. Anandavalli has said that a memorandum of understanding (MoU) will be signed with the Indian Railways for the maintenance of the Chenab Bridge in Jammu and Kashmir, which is the highest bridge in the world and was inaugurated by Prime Minister Narendra Modi on Friday. "A MoU is to be signed with the Railways to undertake the maintenance of the highest railway bridge," she said. "We are also providing suggestions for the construction of the new Parliament building." Anandavalli said that the buildings of the Parliament had been constructed using 3D technology and concrete as of current times. "We have constructed a new building in 20 days using new technology by mixing silver and fibre in the building mix," she said...

Read More: [Etvbharat](https://www.etvbharat.com)



# New MoU to Combat Road Dust Pollution in NCR

CSIR-CRRI

10<sup>th</sup> June , 2025

In a bold initiative to tackle road dust pollution in the National Capital Region (NCR), the Commission for Air Quality Management (CAQM) has entered into a significant agreement with the CSIR-Central Road Research Institute (CSIR-CRRI) and the School of Planning and Architecture (SPA), New Delhi. The tripartite Memorandum of Understanding (MoU) aims to facilitate the establishment of a Project Monitoring Cell (PMC) at CAQM, which will oversee phased implementation of a comprehensive urban road redevelopment framework.



This initiative targets urban and industrialized cities like Delhi, Faridabad, and Gurugram, among others, to improve air quality.

Leveraging the engineering prowess of CSIR-CRRI and the sustainable planning expertise of SPA, the collaboration focuses on cross-section design, mitigation of road dust through greening, and modern technologies for road construction. This strategic approach underscores transformative, science-driven solutions to enhance air quality in the NCR.

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



# CSIR study shows way to enhance performance of radar, communication systems by 44%

CSIR-CEERI

10<sup>th</sup> June , 2025

Studies conducted by the Council for Scientific and Industrial Research (CSIR) have shown that the efficiency of microwave-based applications can be significantly enhanced by modifying the shape of certain components. Research undertaken by CSIR's Central Electronics Engineering Research Institute (CEERI) has demonstrated that the performance of systems like radar, communication networks and industrial heating equipment can be boosted by 44 per cent when the shape of the anode vanes is changed.

Radars and communication systems have become indispensable across civilian and military domains. A huge amount of power is expended for their functioning and there is constant endeavour to make them more energy efficient and cost effective. Besides, there is a host of industrial equipment that employ microwaves. Anode vanes are structures made of aluminium or other conductive material and are arranged radially inside the anode, one of the terminals from which current passes in an electrical device. The vanes' shape and precise dimensions, along with the magnetic field, determine the oscillation frequency of the magnetron.

In simple terms, magnetron is a high-vacuum tube that converts direct-current power into alternating-current power, typically at microwave frequencies, by utilising a constant magnetic field. Magnetrons are used majorly in radar. During the study, the axial edges of the anode vanes tips facing the cathode, the terminal opposite to the anode, were 'chamfered', that is cut at a particular angle to create a symmetrical slope. A comparative analysis of the unchamfered and modified vanes was then carried out for power, efficiency and oscillation spectrum.

The researchers found that power output increased by about 44 percent, reaching 2.3 kilowatts after modification as compared to 1.6 kilowatts earlier and efficiency improved to 80 percent, thereby enhancing operational performance. The Oscillation spectrum also became purer, improving overall stability. The study has been published by the Journal of Electromagnetic Waves and Applications, a United Kingdom-based peer reviewed publication that covers all aspects of electromagnetic wave theory and its applications.

Read More: [The Tribune](#)



# The story of how heeng came to be successfully cultivated in India

CSIR-IHBT

10<sup>th</sup> June , 2025

Heeng or asafoetida (*Ferula assa-foetida*) is an essential ingredient in many Indian cuisines. A pinch of heeng is typically added to hot oil before other constituents when cooking. Despite the great diversity of India's cuisines, most of them have recipes with heeng. There are mentions of heeng in ancient Indian texts including the Mahabharata and texts of Ayurveda. The latter recommends using heeng to refresh one's senses, including consciousness. The Charaka Samhita Sutrasthana 27/299 says heeng can help relieve abdominal pain, digest undigested food, and enhance taste.



The Pippalada Samhita and the works of Panini also include heeng. Today, heeng plants thrive in cold, arid environments suited to the native regions in Iran, Afghanistan, and Central Asia. The plant prefers sandy, well-drained soil with low moisture, ideally receiving annual rainfall of 200 mm or less, though it can tolerate up to 300 mm in cultivated regions like the Indian Himalaya. It flourishes in temperatures of 10-20° C, tolerates highs of up to 40° C, and withstands winter lows down to -4° C. In extremely dry and cold weather, heeng plants typically become ...

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



# Building Blocks Using Calcium Carbide And Fly Ash: CSIR-SERC Develops Lightweight Panels For Durable, Energy Efficient Housing

CSIR-SERC

11<sup>th</sup> June , 2025

In a significant innovation, which could revolutionise house construction in the country, scientists at the Structural Engineering Research Centre of the Council of Scientific and Industrial Research (CSIR) have developed a new method using prefabricated concrete panels made in factories and assembled on-site. These panels, manufactured using the EPS (Expanded Polystyrene) precast method, are designed to withstand up to 70 years of usage while offering faster, more efficient construction.



Building a house is often a time-consuming and labor-intensive process, especially in rural areas where delays in construction are common due to material setting times and labor shortages. Even small homes can take months to complete, largely because each construction stage requires specific curing periods to ensure structural stability ...

**Read More:** [Etvbharat](https://www.etvbharat.com)



# Govt clears Rs 215cr lifescience project in Thonnakkal

CSIR-NIIST

11<sup>th</sup> June , 2025

The state govt has approved a Rs 215-crore investment proposal by the Council of Scientific and Industrial Research – National Institute for Interdisciplinary Science & Technology (CSIR-NIIST) at the Bio360 Life Science Park in Thonnakkal, Thiruvananthapuram. An order issued by the industries department on June 7 also permits the allotment of 10 acres of land to CSIR-NIIST on a lease of up to 90 years at no financial cost. The allotted land falls within the area designated for the second phase of development at the Bio360 Life Science Park, developed by Kerala Lifescience Industries Park Pvt Ltd (KLIP), a state-incorporated company promoting lifescience industries. The approval follows a proposal submitted in Sept 2024 by the KLIP managing director to establish a CSIR-NIIST Centre for Innovation, Technology & Entrepreneurship.

The initiative includes a pilot plant for solar-aided hydrogen production from wastewater, supported by the department of science and technology and the state govt. It also proposes a bio-manufacturing hub under a Rs 115-crore joint submission by CSIR-NIIST & KLIP to the Biotechnology Industry Research Assistance Council (Birac). Additional components include a production facility for bio-polymers and bio-based alternatives to plastic and animal leather, funded by CSIR and private industry partners...

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



# CSMCRI, Bhavnagar signs MoU with Pangasinan State University Philippines

CSIR-CSMCRI

11<sup>th</sup> June , 2025

In a landmark step towards international scientific collaboration, the CSIR-Central Salt & Marine Chemicals Research Institute (CSMCRI), Bhavnagar, India, has signed a Memorandum of Understanding (MoU) with Pangasinan State University (PSU), Philippines, on June 9, 2025. The partnership aims to jointly develop and promote advanced technologies in salt production. The MoU was signed in the presence of distinguished delegates from the Philippines, including representatives from the Department of Science and



Technology (DOST), and Mariano Marcos State University. Dr. Kannan Srinivasan, the director of CSMCRI informed that ‘This collaboration will focus on mutual research and development initiatives, especially in the areas of modern salt production,...

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



# CSIR-IICT workshop on eco-friendly farm practices

CSIR-IICT

12<sup>th</sup> June , 2025

CSIR-Indian Institute of Chemical Technology (IICT) is organising a one-day workshop on 'Environmentally benign farming practices for farmers: Fermented organic manure from anaerobic digestion and pheromones for pest control' where there will be presentations, demonstrations and field visits on biogas production, composting, eco-friendly pest management and animal fodder preparation by scientists at its campus in Habsiguda on Thursday, from 9.30 a.m. to 5.30 p.m. Telangana Minister for Agriculture Tummala Nageshwara Rao and his top officials are expected to participate, said a press release.

Read More: [The Hindu](#)



# SCCL signs MoU with CSIR-IMMT for key mineral exploration, Bhavnagar signs MoU with Pangasinan State University Philippines

CSIR-IMMT

12<sup>th</sup> June , 2025

Singareni Collieries Company Limited ([SCCL](#)) has entered into a Memorandum of Understanding (MoU) with the Council of Scientific and Industrial Research ([CSIR](#)) and its affiliate, the Institute of Minerals and Materials Technology (IMMT), to receive technical support for the exploration of key minerals.

The agreement was signed in the presence of NITI Aayog member and former DRDO Director General, Padma Bhushan VK Saraswat, in Bhubaneswar, Odisha, on.



Thursday. SCCL Chairman and Managing Director N Balram, CSIR-IMMT Director Dr Ramanuj Narayan, and senior officials from both organisations were present at the event. With SCCL venturing into the key minerals sector, the MoU is being seen as a significant first step. Explaining the rationale behind the agreement, Balram said the company had decided to foray into the field of key minerals as part of its business expansion strategy, following directions from the Central and State governments...

[Read More: Telanganatoday](#)



# NBRI to hold training prog on essential oils

CSIR-NBRI

12<sup>th</sup> June , 2025

The CSIR-National Botanical Research Institute (NBRI) will conduct a five-day training programme on essential oils from June 9 to June 13.

Anyone who is a graduate and is interested in learning about basics of essential oils which are used for a wide variety of purposes, including aromatherapy, skincare and even as natural ingredients in food and cleaning products as well as their extraction, processing and fragrance creation, can register for the training programme which has limited seats.

A QR code and a link have been made available on the institute's handle to register for the programme. According to NBRI officials, the last date for registration is May 31.

"The training programme will cover an introduction to aromatic oils, aroma chemicals and perfumery, distillation/extraction of essential oils and preparation of concrete/absolute from aromatic raw material as well as the processing of aromatic oils including fractionation," said NBRI spokesperson Rajat Rastogi.

He said that quality assessment of aromatic oils and chemicals, types/classification of odour and its evaluation, basics of fragrance creation, hands-on creation of fragrances and preparation of perfume will all be taught. This short-term training programme is being organised under the CSIR floriculture mission, resident training programme.

**Read More:** [TimesofIndia](https://timesofindia.com)



# CSIR-CFTRI Mysuru marks National Technology Day; highlights impactful achievements

CSIR-CFTRI

13<sup>th</sup> June , 2025

The CSIR-Central Food Technological Research Institute (CFTRI), Mysuru, on Tuesday commemorated National Technology Day 2025 with the theme “Empowering a Sustainable Tomorrow Through Innovation”. The event underscored CFTRI’s commitment to science-led sustainable development, technology transfer, and industry partnership. These included the signing of three major agreements: A project agreement with MILMA, Wayanad Dairy (MRCMPUL); a technology transfer

agreement with Kudumbashree, Kerala State Division for 94 technologies; and a project agreement with Tattva Nutri Foods Pvt. Ltd., Bengaluru...

Read More: [Thehindu](#)





# CSIR-IMMT hosts Red Mud Report Release Meet

CSIR-IMMT

13<sup>th</sup> June , 2025

The Council of Scientific and Industrial Research – Institute of Minerals and Materials Technology (CSIR-IMMT) hosted the Red Mud Report Release Meet, marking the successful completion of the national project on Technology Development for Holistic Utilisation of Red Mud. Dr. V.K. Saraswat, Member, NITI Aayog, the chief guest of the event and the mentor for the project, formally released the



comprehensive Red Mud Report documenting the outcomes of this important initiative.

The project was jointly undertaken by CSIR-IMMT (Bhubaneswar), CSIR-National Metallurgical Laboratory (CSIR-NML), Jamshedpur, the coordinating laboratory and Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur, with leading industry partners Hindalco Industries Limited (HINDALCO), Vedanta Limited, and National Aluminium Company Limited (NALCO).

The project focused on developing integrated process flowsheets for the comprehensive utilization of red mud, a major industrial by-product of alumina production, with the objective of recovering valuable metals such as iron, alumina, titania, and rare earth elements (REEs). The Red Mud Report details the technological advancements and feasibility for further scaling up these solutions for industrial deployment.

**Read More: [Indiawhispers](https://www.indiawhispers.com)**



# Next-generation food processing a step towards smarter, cleaner and sustainable food system: Kodagu University V-C Ashok S. Alur

CSIR-NIIST

13<sup>th</sup> June , 2025

Next-generation food processing is not just a technological leap, but a step towards a smarter, cleaner and more sustainable food system, Ashok S. Alur, Vice-Chancellor (V-C), Kodagu University, has said. Prof. Alur was speaking after inaugurating a conclave on 'Next Generation Food Technologies: Processing for a Sustainable Tomorrow' organised by the CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, here on Friday. The conclave was held in connection with the golden jubilee celebrations of NIIST.



On the occasion, a memorandum of understanding (MoU) was signed between CSIR-NIIST and Kodagu University for fostering joint research, academic exchange and capacity-building in the areas of food processing and life sciences by leveraging the complementary strengths of both institutions. Addressing the conclave, Sreedevi Annapurna Singh, director, CSIR-Central Food Technological Research Institute (CFTRI), emphasised the importance of translational research in the food sector to ensure nutrition and wellness...

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





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