



सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India



CSIR in Media

News Bulletin
16 to 30 June 2026

\$10 Billion to 190 Billion Bioeconomy: India's Science Story touches New Heights in 12 Years says Dr Jitendra Singh

DSIR, CSIR

15th June, 2026

India's science, technology and innovation landscape has undergone an unprecedented transformation over the last twelve years, marked by a nearly twenty-fold expansion of the bio economy, a historic Moon landing near the lunar south pole, rapid growth of the space start-up ecosystem, revolutionary improvements in weather forecasting and the emergence of indigenous technologies across



strategic sectors, Union Minister of State (Independent Charge) for Science & Technology, Earth Sciences, and Minister of State in the Prime Minister's Office, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh, said today.

Addressing a press conference on “12 Years of Transformative Growth in Science, Technology and Innovation” at the SSB Auditorium, CSIR Headquarters, New Delhi, Dr Jitendra Singh said science and technology have moved from laboratories to the lives of ordinary citizens and have become a central pillar of India's development journey under the leadership of Prime Minister Narendra Modi...

Read More: [PIB](#)

CSIR-IIIM launches two-month certificate course On cGMP-compliant herbal drug manufacturing

CSIR-IIIM

15th June, 2026

In a major step towards strengthening industry-oriented pharmaceutical education and creating skilled manpower in herbal drug manufacturing, CSIR–Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, through its Technology Business Incubator (TBI) and in collaboration with Industrial Biotech Park, on Monday launched a two-month certificate programme on “cGMP Compliant Pilot Plant on Extraction, Formulation and Packaging of Herbal Drugs.”

The programme, which will run from June 15 to August 14, 2026, is being organised by BioNEST Bioincubation Centre, CSIR-IIIM-TBI and Industrial Biotech Park (IBTP), Kathua. A training manual for the programme was also released on the occasion.

The inaugural session brought together scientists, faculty members and participating students from pharmacy institutions.

More than 22 students drawn from different colleges will undergo extensive hands-on exposure in herbal extraction, formulation development, packaging technologies and quality control practices...

Read More: [Daily Excelsior](#)

Smart Village / CSIR Smart Village Mission Brings Terafil Water Filters and Skill Development Programme to Kusunpur

CSIR-CBRI, CSIR-IMMT

15th June, 2026

Under the CSIR-Smart Village Mission, Kusunpur Village in Kendrapara District, Odisha, witnessed a transformative initiative with the Terafil Water Filter Distribution and Skill Development Programme.

Organized jointly by CSIR-Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, and CSIR-Central



Building Research Institute (CBRI), Roorkee, the programme aimed to ensure safe drinking water access and empower villagers through skill development.

The event also featured a tree plantation drive, symbolizing sustainable growth alongside scientific intervention.

Dr. Ramanuj Narayan, Director of CSIR-IMMT, reaffirmed the institute's commitment to improving rural life through science, highlighting the benefits of Terafil filters and announcing initiatives in soil analysis, farming practices, and skill development...

Read More: [Argus](#)

TTD partners with Mysuru's CSIR-CFTRI to introduce scientific protocols across prasadam production, storage & testing

CSIR-CFTRI

15th June, 2026

In a major step towards strengthening industry-oriented pharmaceutical education and creating skilled manpower in herbal drug manufacturing, CSIR–Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, through its Technology Business Incubator (TBI) and in collaboration with Industrial Biotech Park, on Monday launched a two-month certificate programme on “cGMP Compliant Pilot Plant on Extraction, Formulation and Packaging of Herbal Drugs.”

The programme, which will run from June 15 to August 14, 2026, is being organised by BioNEST Bioincubation Centre, CSIR-IIIM-TBI and Industrial Biotech Park (IBTP), Kathua. A training manual for the programme was also released on the occasion.

The inaugural session brought together scientists, faculty members and participating students from pharmacy institutions.

More than 22 students drawn from different colleges will undergo extensive hands-on exposure in herbal extraction, formulation development, packaging technologies and quality control practices...

Read More: [Daily Excelsior](#)

Oil India signs MoU with CSIR for technology development in energy sector



CSIR

15th June, 2026

Oil India Limited (OIL) has signed a Memorandum of Understanding (MoU) with the Council of Scientific and Industrial Research (CSIR) on 15 June 2026. This collaboration aims to enhance research, innovation, and technology development in the energy sector. The agreement was formalised at OIL House, Noida, with the signing by the CMD of OIL and the Director General of CSIR, witnessed by senior officials from both organisations.

The MoU focuses on leveraging the strengths of both entities to advance technologies and provide innovative solutions in upstream and downstream oil and gas operations. Key areas of collaboration include hydrocarbon reservoir optimisation, enhanced oil recovery (EOR), renewable energy, sustainable energy practices, and critical minerals. The partnership is expected to facilitate the development of efficient and cost-effective solutions, emphasising operational efficiency.

This agreement highlights OIL's commitment to strengthening its technological capabilities through strategic partnerships with leading research institutions in India...

Read More: [Business Up Turn](#)

Two Eminent Scientists Among ‘Unsung Heroes’ to Be Honoured with Padma Shri 2026

CSIR-NAL, CSIR-CCMB

15th June, 2026

Two distinguished Indian scientists, Dr Shubha Venkatesha Iyengar and Dr Kumarasamy Thangaraj, have been selected for the Padma Shri 2026 under the “Unsung Heroes” category, in recognition of their decades-long contributions to science, research and national development, according to the official announcement.



As per the report, President Droupadi Murmu will confer the Padma Shri awards during the Civil Investiture Ceremony-II scheduled to be held at Rashtrapati Bhavan on June 23, 2026.

Dr Shubha Venkatesha Iyengar, an eminent scientist and former Distinguished Scientist at CSIR until 2020, has been recognised for her transformative contributions to India’s scientific and technological ecosystem. According to the report, her career spans nearly 46 years at the CSIR–National Aerospace Laboratories in Bengaluru, where she began as a Junior Research Fellow in November 1974...

Read More: [Pratidin Time](#)

Govt eyes 3D concrete printing for public housing

CSIR-CBRI

15th June, 2026

The Centre is planning to roll out at least three demonstration housing projects using 3D Concrete Printing Technology (3DCPT) under the Pradhan Mantri Awas Yojana-Urban (PMAY-U) 2.0, with each project comprising a cluster of around 20 houses, officials familiar with the matter said.

The projects are proposed in Goa, Nagpur and Thiruvananthapuram, among other locations, and would mark the first use of 3D concrete printing in India's urban public housing sector, a senior housing ministry official said.

The pilots are expected to test the speed, affordability and scalability of the technology in Indian conditions. While 3D-printed construction has gained traction in countries such as Malawi, Mexico and the UAE, its adoption in India's affordable housing sector remains at an experimental stage...

Read More: [Hindustan Times](#)

Porosome Therapeutics announces global drug development partnership with CSIR



CSIR

16th June, 2026

US-based biotech startup Porosome Therapeutics has entered into a drug development partnership with the Council of Scientific and Industrial Research (CSIR).

The goals of the partnership include collaboration, co-development and licensing of new and novel drugs. The CSIR announcement highlighted priority domains for collaboration with Porosome: viral infections, Alzheimer's disease, neurological diseases, cystic fibrosis, Type 1 and 2 diabetes, COPD, and lung cancer.

Porosome Therapeutics has developed a wide range of therapies ranging from small molecules and peptides to biologics that introduce functional porosomes into diseased cells to overcome secretory defects and treat diseases, even reversing them...

Read More: [Bio Spectrum](#)

CSIR-NIIST and BAIF Forge Strategic Partnership to Advance Sustainable Technologies and Climate-Resilient Rural Development



CSIR-NIIST

16th June, 2026

The Council of Scientific and Industrial Research – National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, Kerala, and BAIF (Bharatiya Agro Industries Foundation) Development Research Foundation, Pune, formalized a strategic partnership through the exchange of a Memorandum of Understanding (MoU) at BAIF's Central Research Station, Uruli Kanchan, Pune, on June 15, 2026.

The MoU was exchanged between Dr. Bharat Kakade, President and Managing Trustee, BAIF, and Dr. C. Anandharamakrishnan, Director, CSIR-NIIST, marking a significant step towards collaborative research, innovation, technology validation, and capacity building in areas critical to sustainable development.

A key focus of the partnership will be the advancement of agrivoltaics, an emerging field that integrates solar energy generation with agricultural production. CSIR-NIIST has been developing innovative agrivoltaic technologies...

Read More: [PIB](#)

Seven CSIR Technologies Licensed to Industry; Bharatiya Nirdeshak Dravyas Released and Quantum Sensing Components Delivered to DRDO

CSIR-CRRI, CSIR-NPL

16th June, 2026

The Council of Scientific & Industrial Research (CSIR) today organized a Technology Transfer and Bharatiya Nirdeshak Document (BND) Release Function at the CSIR Headquarters, New Delhi, bringing together scientists, industry partners, technology adopters and strategic stakeholders. The programme, jointly



organized by CSIR-National Physical Laboratory (CSIR-NPL) and CSIR-Central Road Research Institute (CSIR-CRRI), witnessed the transfer of seven technologies to industry, release of ten Bharatiya Nirdeshak Dravyas (BNDs), and handing over of critical components developed for quantum sensing applications to DRDO.

Welcoming the gathering, Prof. Venu Gopal Achanta, Director, CSIR-NPL, highlighted the foundational role played by measurement science and metrology in scientific advancement, industrial development and national quality infrastructure. Tracing the origins of CSIR-NPL and its mandate in establishing measurement standards...

Read More: [PIB](#)

CSIR-IIIM Hosts First Half-Yearly TOLIC Meeting, Launches Digital Portal to Boost Rajbhasha Implementation

CSIR-IIIM

16th June, 2026

In a significant move to strengthen the implementation and promotion of Hindi as the Official Language across government institutions, the Town Official Language Implementation Committee (TOLIC), Jammu (014), held its half-yearly meeting at CSIR–Indian Institute of Integrative Medicine (IIIM), Jammu on Tuesday. Teleconferencing

The meeting brought together representatives from a wide range of government institutions to review progress, discuss challenges, and formulate future strategies for enhancing the use of Hindi in official work.

The session was chaired by Dr. Zabeer Ahmed, Director, CSIR-IIIM and Chairman of TOLIC Jammu, and was attended by 102 representatives from member offices affiliated with the committee.

A key highlight of the meeting was the launch of a dedicated online portal and website...

Read More: [Jammu Links News](#)

सीएसआईआर-एनएमएल में बीटीडी-2026 राष्ट्रीय संगोष्ठी का आयोजन

CSIR-NML

16th June, 2026

सीएसआईआर-नेशनल मेटलर्जिकल लेबोरेटरी (एनएमएल), जमशेदपुर में 17 से 19 जून 2026 तक "बिहाइंड द टीचर'स डेस्क" (बीटीडी-2026) नामक राष्ट्रीय छात्र संगोष्ठी का आयोजन किया जाएगा। इस तीन दिवसीय कार्यक्रम में देशभर से 200 से अधिक छात्र, शोधार्थी, शिक्षाविद और उद्योग विशेषज्ञ भाग लेंगे। संगोष्ठी का उद्देश्य धातुकर्म और सामग्री विज्ञान के क्षेत्र में नवाचार को बढ़ावा देना तथा उद्योग और अकादमिक जगत के बीच सहयोग को मजबूत करना है।

कार्यक्रम में तकनीकी सत्र, मुख्य वक्तव्य और पैनल चर्चा आयोजित की जाएंगी, जिनमें सतत धातुकर्म, उन्नत सामग्री डिज़ाइन, स्टील निर्माण में नवाचार और ऊर्जा दक्ष प्रक्रियाओं जैसे विषयों पर विचार-विमर्श होगा। साथ ही युवा शोधकर्ताओं को अपने शोध प्रस्तुत करने और करियर अवसरों की खोज करने का मंच मिलेगा। बीटीडी-2026 का लक्ष्य अनुसंधान और औद्योगिक अनुप्रयोग के बीच की दूरी को कम करना और भारत के धातुकर्म एवं सामग्री विज्ञान क्षेत्र में नई पीढ़ी को प्रेरित करना है...

Read More: [Udit Vani](#)

CSIR-NEERI launches bamboo handicraft training programme for women SHGs

CSIR-NEERI

16th June, 2026

CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur, has launched a five-day training programme (16–20 June 2026) on bamboo handicrafts for women Self-Help Groups (SHGs) under the theme “Empowering Women Self-Help Groups through Bamboo Handicrafts from Bamboo Grown on Fly Ash Dumps.” The



initiative aims to promote sustainable livelihoods, women empowerment, and environmental restoration through CSIR-NEERI’s bamboo-based Eco-Rejuvenation Technology (ERT).

The programme was inaugurated by Shri Sudip Rane, Chief Engineer, Koradi Thermal Power Station (KTPS), Koradi, and presided over by Dr. S. Venkata Mohan, Director, CSIR-NEERI. Dr. Mahendra P. Patil, Scientist-G and Chair, Solid and Hazardous Waste Management Division, and Shri Pravin Bute, Deputy Executive Engineer, KTPS, were also present....

Read More: [PIB](#)

CSIR-NML Jamshedpur at the Heart of India-US Critical Minerals Dialogue

CSIR-NML

16th June, 2026

U.S. Consul General Kathy Giles-Diaz, visited the CSIR-National Metallurgical Laboratory (NML) in Jamshedpur along with her team on Monday. She was accompanied by Braphus Kaalund, Consul for Political and Economic Affairs at the Consulate.

The visit comes in the backdrop of the recently signed Memorandum of Understanding (MoU) on Critical Minerals between India and the United States, highlighting the strategic importance of the sector for both countries. During the visit, discussions were held on potential collaboration between CSIR-NML and research and academic institutions in the United States. Both sides explored opportunities for partnership in areas related to minerals, metals, materials science, and advanced metallurgy...

Read More: [The Avenue Mail](#)

IIT BBS, CSIR-CBRI sign MoU for research in sustainable infrastructure



CSIR-CBRI

16th June, 2026

Indian Institute of Technology (IIT) Bhubaneswar and CSIR-Central Building Research Institute (CSIR-CBRI), Roorkee, have signed an MoU to strengthen collaboration in research, academic exchange and innovation in building science, civil engineering and sustainable infrastructure.

The agreement was signed by IIT-Bhubaneswar director Shreepad Karmalkar and CSIR-CBRI director R Pradeep Kumar. They said the partnership aims to leverage the expertise and resources of the two institutions to advance research and develop skilled manpower in areas such as structural engineering, geotechnical engineering, engineering geology, architecture and planning, environmental engineering, disaster mitigation and sustainable construction technologies.

Under the MoU, the institutions will undertake joint research projects, facilitate faculty and student internships, and promote collaborative supervision of student projects and research work. The agreement also provides for sharing of research facilities, laboratory infrastructure...

Read More: [Times of India](#)

CSIR-IIIM Jammu hosts breast cancer awareness lecture

CSIR-IIIM

17th June, 2026

A special awareness lecture on breast cancer screening and breast self-awareness was organised by CSIR-Indian Institute of Integrative Medicine (IIIM), Jammu, in collaboration with the J&K State Chapter of the Association of Surgeons of India (ASI) as part of the observance of National Surgeons Day and Surgeons Week.

The programme brought together surgeons, researchers, students and faculty members to highlight the importance of early detection, preventive healthcare and lifestyle awareness in reducing the burden of breast cancer.

Opening the session, Professor and Head, Postgraduate Department of Surgery, Government Medical College (GMC) Jammu, Dr Sanjay Bhasin underlined the evolving role of surgeons and the growing need to address stress and wellbeing within the medical profession.

Referring to initiatives launched under Surgeons Week, he said the campaign focuses not only on patient care but also on promoting the health and wellbeing of healthcare professionals through awareness drives, health check-ups ...

Read More: [Daily Excelsior](#)

MSMEs are at the centre of our technology outreach, says NML Jamshedpur Director

CSIR-NML

17th June, 2026

Stressing the importance of recycling and resource recovery for India's future industrial growth, Dr. Sandip Ghosh Chowdhury, Director of CSIR-National Metallurgical Laboratory (NML), said that critical minerals required for defence, renewable energy and advanced manufacturing can be recovered from industrial scrap, electronic waste and discarded equipment.

Speaking to mediapersons on the sidelines of Behind The Teacher's Desk (BTDD-2026), a national-level student seminar on Materials and Metallurgical Engineering held at CSIR-NML in Jamshedpur on Wednesday, Dr. Chowdhury highlighted several technologies developed by the laboratory to address the growing shortage of critical minerals.

“There is a shortage of critical minerals globally. Therefore, recycling and recovery of these materials have become extremely important for the country...

Read More: [The Avenue Mail](#)

CSIR-NCL Study Finds Jamun Honey Low in Glucose, Rich in Antioxidants

CSIR-NCL

17th June, 2026

Scientists at the CSIR-National Chemical Laboratory (CSIR-NCL) have found that authentic Jamun honey contains lower glucose levels and higher antioxidant content, providing scientific backing to its reputation as a healthier natural sweetener.

The study analysed 82 authentic Jamun honey samples collected from the Mahabaleshwar region and created the first detailed chemical profile of the honey using advanced techniques such as Nuclear Magnetic Resonance (NMR) and Mass Spectrometry (MS).

Researchers led by Dr. Udaya Kiran Marelli found that Jamun honey consistently contains less glucose and higher fructose levels, a composition associated with a slower release of sugar into the bloodstream. The study also identified several naturally occurring compounds, including phenolic acids and flavonoids, which contribute to its antioxidant properties. The research team said the findings support the long-held belief that Jamun honey may have a lower glycaemic impact...

Read More: [Punekar News](#)

Traditional chilli pickle has bacteria that can kill food-borne pathogens

CSIR-CFTRI

17th June, 2026

A traditional fermented chilli pickle from northern Karnataka contains beneficial bacteria that may help protect against food-borne infections, researchers at the CSIR–Central Food Technological Research Institute (CFTRI) in Mysuru have found¹.

A team led by Kammara Rajagopal studied traditional agasi chutney, a fermented chilli-based condiment consumed in the region. After analysing samples collected over nearly five years, they found that bacteria belonging to the Bacillus group accounted for almost 90% of the microbial community in the food.

Among them, the researchers identified a strain called Bacillus subtilis S1. Laboratory tests showed that the bacterium could survive acidic conditions, tolerate bile salts and remain viable under simulated gastrointestinal conditions, key characteristics of a potential probiotic...

Read More: [Nature](#)

CSIR-NEIST conducts Science motivation and demonstration prog



CSIR-NEIST

17th June, 2026

CSIR-North East Institute of Science & Technology (CSIR-NEIST) branch laboratory here organized a one-day Science Motivational-cum-Demonstration Programme at the institute premises on Wednesday.

Around 30 students, along with their teacher, Dinesh Kumar of Bunny's Fantasy World School, Itanagar, attended the programme.

Resource person and Scientist-E of the CSIR-NEIST branch, Dr. Ravindra Rawal, delivered a lecture on "Career Opportunities and Future Perspectives – A Roadmap for Students." He highlighted diverse career opportunities and future prospects in engineering, medicine, pharmaceutical sciences, legal services, civil services, management, and scientific research...

Read More: [The Arunachal Times](#)

CSIR-CIMAP develops 22 certified reference materials to boost herbal product testing

CSIR-CIMAP

18th June, 2026

CSIR-Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP) has developed 22 Certified Reference Materials (CRMs) to help laboratories ensure that measurements and test results for medicinal plantbased products are accurate, consistent and reliable. Scientists at the institute said the CRMs will act as benchmark standards for testing the authenticity, purity and potency of herbal ingredients and formulations. Pharmaceutical companies and other manufacturers can use these CIMAP-developed standards in quality-control laboratories to verify whether a product meets prescribed specifications, supporting production of authentic and compliant herbal goods.

CIMAP said India has so far depended largely on imported CRMs for such testing, and the new materials will make validated reference standards available domestically. The institute added that the CRMs are expected to support quality assessment not only in pharmaceuticals but also across food safety, biotechnology, agriculture, environmental monitoring and industrial testing...

Read More: [Times of India](#)

CSIR-NAL signs MoU to strengthen aviation education & research in Bengaluru

CSIR-NAL

18th June, 2026

Bengaluru-based CSIR–National Aerospace Laboratories (CSIR-NAL) has signed a memorandum of understanding (MoU) with Gati Shakti Vishwavidyalaya (GSV) to enhance collaboration in aviation education, research and innovation.

Under the partnership, the two institutions will jointly develop academic curricula, establish advanced laboratories and testing facilities, facilitate faculty and student exchange programmes, and support capacity-building initiatives in the aviation sector.

They will also undertake collaborative research and development projects. Speaking at the MoU exchange ceremony, CSIR-NAL Director Abhay Pashilkar said, "This partnership marks a significant milestone in CSIR-NAL's journey ...

Read More: [Deccan Herald](#)

CSIR-NIIST Director Dr. C. Anandharamakrishnan Recognized Among the World Food Prize Foundation's "2026 Top Agri-Food Pioneers"

CSIR-NIIST

18th June, 2026

Dr. C. Anandharamakrishnan, Director of CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), has been recognized as one of the "2026 Top Agri-Food Pioneers" by the prestigious World Food Prize Foundation which was announced on June 17, 2026. The recognition places him among an exclusive global cohort of innovators acknowledged for their outstanding contributions towards transforming agriculture and food systems through science, innovation and sustainable solutions.

The Top Agri-Food Pioneers (TAP) initiative of the World Food Prize Foundation celebrates visionary leaders from across the globe who are advancing food and nutrition security through pioneering research, technological innovation, entrepreneurship and collaborative leadership. In its landmark 40th anniversary year, the Foundation has selected 40 pioneers from 30 countries, highlighting individuals whose work is creating measurable impact across the global agri-food ecosystem...

Read More: [PIB](#)

CSIR-NML Jamshedpur Partners with R2E Greentech to Recycle Lithium-Ion Batteries

CSIR-NML

18th June, 2026

The CSIR-National Metallurgical Laboratory (CSIR-NML), Jamshedpur, signed a Memorandum of Understanding (MoU) with New Delhi-based M/s R2E Greentech Private Limited. This agreement transfers and commercializes indigenous technology developed to recycle end-of-life lithium-ion batteries, marking a significant step toward scientific battery waste management and India's circular economy.

The newly developed technology extracts critical materials from spent batteries, including lithium, cobalt, manganese, nickel, copper, aluminium, and graphite. Since India currently relies heavily on imports for strategic metals like lithium and cobalt, this recycling innovation provides a crucial alternative secondary resource, strengthening national resource security...

Read More: [Avenue Mail](#)

Yuva Kaushal Karyashala 5.0 commenced at CSIR-IIIM

CSIR-IIIM

18th June, 2026

In an effort to bridge the gap between classroom learning and real-world scientific research, CSIR–Indian Institute of Integrative Medicine (IIIM), Jammu, through its Technology Business Incubator (IIIM-TBI) and BioNEST Bioincubation Centre, launched the 10-day hands-on training programme “Yuva Kaushal Karyashala 5.0” in Chemical Sciences here today.

The programme has brought together 42 students from Government College for Women (GCW), Gandhi Nagar, Jammu and other institutions, offering them direct exposure to advanced laboratory practices, research methodologies and innovation ecosystems.

A training manual for the programme was also formally released during the inaugural session.

Addressing the gathering, Director, CSIR-IIIM Jammu, Dr. Zabeer Ahmed, highlighted the importance of scientific temperament and practical exposure for students in today’s rapidly changing world...

Read More: [Daily Excelsior](#)

World Ocean Day celebrated at CSIR-NIO Goa; Union Minister of State Shripad Naik calls for collective action to protect oceans

CSIR-NIO

18th June, 2026

The CSIR-National Institute of Oceanography (CSIR-NIO), Goa, celebrated World Ocean Day 2026 at its auditorium today, with a focus on the critical role oceans play in sustaining life on the Earth through climate regulation, biodiversity conservation and support to livelihoods.



Addressing the audience at the event, Union Minister of State for Power and New and Renewable Energy Shri Shripad Naik, who attended the program as the chief guest, said the theme of World Ocean Day serves as a reminder that oceans are not merely vast water bodies surrounding land but the very foundation of life on Earth.

Talking about the rapid changes the oceans are undergoing due to climate change, ocean warming, sea-level rise, deoxygenation, marine pollution and ocean acidification, the minister said that those challenges have a direct impact on coastal communities, fisheries, coral reefs, mangroves and marine biodiversity...

Read More: [PIB](#)

From Laboratory to Nation-Building CSIR-NCL's Scientific Evolution

CSIR-NCL

18th June, 2026

In the evolving landscape of Indian science and technology, CSIR-National Chemical Laboratory stands as one of the few institutions that reflect India's transition from laboratory research to industrial and societal transformation. The laboratory was envisioned not merely as a centre for chemical research, but as a strategic institution for national development. Over the decades, it has evolved from a hub of industrial chemistry into a multidisciplinary deep-tech innovation ecosystem where scientific discoveries are translated into scalable technologies, industrial systems and public-good solutions.

Across pharmaceuticals, clean energy, sustainable manufacturing, agriculture, healthcare and advanced materials, the laboratory has consistently pursued a simple but powerful principle: science acquires meaning when it reaches society.

Its journey mirrors India's own scientific evolution, from industrial self-reliance in the decades after independence to sustainability, climate resilience...

Read More: [Science India Mag.](#)

Lavender cultivation expands as high-value agri enterprise in J&K

CSIR-IIIM

19th June, 2026

When Chief Minister Omar Abdullah inaugurated Jammu and Kashmir's first Lavender Festival in Ganderbal on Thursday, the hundreds of farmers who attended offered a glimpse of a quiet agricultural transformation underway in the Union Territory. Once a niche crop promoted under a government scheme, lavender has emerged as a profitable alternative to conventional farming, boosting incomes and creating new opportunities for rural entrepreneurship.

“The returns are many times higher than those from conventional crops like maize,” said Mohammad Ashraf, a lavender cultivator from Baramulla.

The shift towards lavender cultivation began under the Union government's Aroma Mission, implemented by the CSIR-Indian Institute of Integrative Medicine (IIIM), several years ago. What started as a niche initiative has since evolved into a growing commercial enterprise, with farmers increasingly adopting the crop due to its strong market demand and value-added potential...

Read More: [The Hindu Business Line](#)

Scientists Develop Bio-Score to Assess Zoo Animal Well-Being

CSIR-CCMB

19th June, 2026

For a normal visitor to a zoo, whether in Hyderabad or elsewhere in the country, a captive tiger may appear calm and healthy.

It might pace occasionally, eat hungrily and even roar at visitors, which are expected behaviours in a zoo setting. Interestingly, these same characteristics often form the basis of the official 'Care in Captivity' scorecard used by zoo authorities to determine if an animal is thriving.

A high-tech genetic laboratory in Hyderabad, however, has proved that visual observations of an animal in a zoo are no longer enough to gauge its actual...

Read More: [Etemaad](#)

How snakebites push rural families deeper into poverty

CSIR-CCMB

20th June, 2026

A community-based retrospective study carried out in Jagtial district of Telangana by scientists from the CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad, has shed light on the devastating consequences of snakebites in rural India. Based on interviews with 541 individuals across 205 villages between 2010 and 2020, the study found that 12.75% of victims died and 24.21% developed long-term health complications. This translates to a mortality rate of 11.72 and morbidity rate of 22.8 per one lakh population. The burden is measured at nearly 32 Disability-Adjusted Life Years (DALYs) lost per 100,000 people annually, underscoring the scale of the crisis.

The economic impact is equally alarming. Survivors often face reduced earning capacity, with an average annual income loss of ₹26,528 per person, while mortality-related losses exceed ₹19.83 lakh per individual. Most victims are farm workers aged 15–59, bitten during routine agricultural activities such as harvesting or irrigation...

Read More: [The Hindu](#)

36% of Gomti riparian zones in high ecological stress: Study

CSIR-NBRI

20th June, 2026

A study by scientists at the CSIR-National Botanical Research Institute (NBRI) has exposed severe ecological degradation along the Gomti river, revealing that over a third of its riparian corridors are in urgent need of restoration. Driven by human activity and urbanisation, the riverbanks are suffering from declining tree cover, escalating soil erosion and the gradual disappearance of native flora.

To combat the degradation, the scientists deployed an Integrated Spatial Decision-Support Framework — a smart map-making system to zero in on which parts of the river require immediate attention. Using satellite images, the team measured various factors, including how green the land looked, how hot the ground was, what the soil was made of and how much of the land had been paved over...

Read More: [Hindustan Times](#)

CSIR-NIO develops hybrid ocean platform to tap wave, wind and solar power

CSIR-NIO

20th June, 2026

Keeping in mind India's growing power demand and need for cleaner energy sources, the CSIR-National Institute of Oceanography has devised the prototype of a hybrid floating energy platform, designed to harness three different types of energy sources from the ocean: tidal waves, solar, and wind. "Our plan involves a floating platform designed to integrate tidal, wave, and ocean current energy systems. By capturing the energy generated by tidal waves, sun and wind, we can effectively convert these natural resources into electrical energy. This is a technology we have been planning for some time, and we believe it offers a comprehensive solution for offshore energy production," Director, CSIR NIO Prof Sunil Kumar Singh told O Heraldo.

While the CSIR-NIO has been developing this concept for some time, integrating these energy...

Read More: [Herald Goa](#)

CSIR-IIIM Jammu Celebrates 12th International Day of Yoga, Director Calls for Making Yoga Part of Daily Life

CSIR-IIIM

21st June, 2026

The CSIR–Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu celebrated the 12th International Day of Yoga with enthusiasm and active participation, reaffirming its commitment to holistic health, mental well-being, and the integration of traditional wellness practices into everyday life.

Scientists, researchers, officers, staff members, and students of the institute participated in a yoga session organised as part of the nationwide observance of International Day of Yoga. The event reflected the spirit of promoting harmony between mind, body, and society through regular yoga practice.

Addressing the gathering, Dr. Zabeer Ahmed, Director, CSIR-IIIM Jammu, highlighted the growing importance of yoga in contemporary life and encouraged participants to adopt it as a regular habit...

Read More: [Jammu Links News](#)

Scientist Claims Breakthrough In Construction Industry; Offers Coal Mine Waste As Alternative To Natural Stone

CSIR-CIMFR

22nd June, 2026

In a development that could revolutionise the construction industry, a scientist at the prestigious CSIR-Central Institute of Mining and Fuel Research (CIMFR) in Jharkhand's Dhanbad has claimed to have discovered a waste extracted from coal mines that can be used in concrete production as a substitute for natural stone chips.

Dr Mushtaq Ansari, a scientist at the CSIR-CIMFR has been working on the experiment for the last four years. Dr Ansari's research indicates that "hard rock overburden"—mining waste extracted from coal mines—can be used in concrete production as a substitute for natural stone chips. Notably, this concrete matches traditional concrete in terms of strength while being significantly more cost-effective; furthermore, it can play a major role in environmental conservation, according to the scientist...

Read More: [ETV Bharat](#)

Bonera's research station, Sirhama and Nunar farms fuel Kashmir's purple revolution

CSIR-IIIM

22nd June, 2026

From a research farm in south Kashmir to thousands of fields across J&K, lavender is transforming landscapes, livelihoods, and local economies. Anchored by Bonera's research station and supported by government farms at Sirhama and Nunar, lavender cultivation now connects nearly 4000 farmers in J&K to a growing value chain spanning cultivation, processing and global fragrance markets.

As lavender fields across Kashmir enter peak bloom, research and government-run farms in Pulwama, Anantnag, and Ganderbal districts are helping expand cultivation of the aromatic crop, which farmers are increasingly adopting as a source of income, value-addition, and agro-tourism...

Read More: [Greater Kashmir](#)

LG Ladakh VK Saxena lays foundation stone of country's high-altitude Flower Fields

CSIR-IIIM

23rd June, 2026

In a major initiative aimed at diversifying Ladakh's biodiversity, enhancing farmers' incomes and creating new livelihood opportunities through floriculture, Lieutenant Governor Vinai Kumar Saxena on Monday laid the foundation stone for two high-altitude flower fields in Leh, which will be the first such projects in the country.

The projects, as per an official statement, envisage creating two Flower fields at Choglamsar and Stakna in Leh. The Choglamsar Park is spread over an area of 92,687 square metres, and the Floriculture Project at the School of Agriculture Science and Technology, University of Ladakh, Stakna, is spread over 1.02 lakh square metres of land...

Read More: [Greater Kashmir](#)

CSIR-CIMFR converts coal mine overburden into concrete aggregate

CSIR-CIMFR

23rd June, 2026

In a significant breakthrough, the Central Institute of Mining and Fuel Research (CIMFR), Dhanbad, has discovered that hard rock overburden—a waste material generated during coal mining—can be used as a substitute for natural stone aggregates in concrete production.

The study revealed that concrete made with the processed mining waste matches conventional concrete in terms of strength and durability, while being considerably more economical.

The innovation also holds substantial environmental benefits by reducing mining waste and lowering dependence on natural stone resources.

According to Dr. Mustaq Ansari, who has been working on the project for the past four years, the hard rock overburden ...

Read More: [New Indian Express](#)

CSIR-IICT Develops Green Biofuel Pathway from Sugarcane Waste Using HTL Technology

CSIR-IICT

26th June, 2026

The research team, led by Alka Kumari along with Chandana and T. Satish, worked under the guidance of institute director D. Srinivas Reddy. They demonstrated an advanced process to convert sugarcane bagasse into biofuel using catalytic hydrothermal liquefaction.

According to the study, the process makes use of deep eutectic solvents as an alternative to traditional reaction materials. These solvents act both as a catalyst and a co-solvent, helping efficiently convert sugarcane residue—estimated at 90 to 100 million tonnes annually in India—into valuable bio-oil.

The scientists reported that the process achieved a bio-oil yield of 52.8 percent under moderate conditions, more than double the yield obtained using conventional methods...

Read More: Sugar Asia.com

Purple Revolution: How lavender farming is reshaping Jammu and Kashmir's economy

CSIR

27th June, 2026

Suraj Jamwal from Bhandarwah had a well-paying corporate job in Bengaluru and the promise of a comfortable urban future. Then he did something unexpected. He returned home early this year—back to the mountains of Jammu and Kashmir, back to farming.

Today, Jamwal spends his days building a startup around lavender—one of the many new enterprises emerging from Bhandarwah in Doda district. The Himalayan town has become the epicentre of India's Purple Revolution, an agricultural initiative of the ministry of science and technology.

Our lavender oil is extremely good. In terms of quality, we compare very favourably with some of the leading producers. What we need now is quantity. —Dr Jitendra Singh, Union minister of state (independent charge) for science and technology...

Read More: [The Week](#)

Bengaluru Floods: New Digital Model Predicts Where Water Will Rise First

CSIR-NIDSA (4PI)

27th June, 2026

With the delay in monsoon rainfall this year, thanks to El Niño, the unpredictability of weather and climate patterns poses challenges. Yet, as climate change accelerates with these uncertainties, India's Silicon Valley, Bengaluru, is increasingly battling severe flash floods driven by extreme rainfall events. To counter this growing crisis, researchers from the CSIR Fourth Paradigm Institute and the Academy of Scientific and Innovative Research (AcSIR) have developed a high-resolution hydrological simulation using the United States Environmental Protection Agency's Stormwater Management Model (SWMM). The study has been published recently in *Natural Hazards*, a Springer Nature publication.

By constructing a sophisticated “digital twin” of the critically low-lying Koramangala-Challaghatta watershed valley, the team recreated historical deluge events to analyse exactly how stormwater overwhelms the city's concrete infrastructure. Now it is up to the administration to use this model as a predictive decision-support system to forecast inundation zones...

Read More: [Research Matters](#)

CSIR-NIO plans India's 1st hybrid floating renewable energy platform off Goa

CSIR-NIO

29th June, 2026

The Goa-based CSIR–National Institute of Oceanography (NIO) is developing a hybrid floating platform anchored offshore that will generate multiple forms of renewable energy from a single structure.

The proposed platform will integrate five renewable energy technologies — solar, wind, wave, tidal and ocean current energy — making it one of the country's most comprehensive marine renewable energy projects.

“Our idea is to develop a floating platform that does not occupy valuable land space while simultaneously harvesting energy from multiple natural sources available in the marine environment,” CSIR-NIO director Sunil Kumar Singh told TOI.

The floating structure will be installed in coastal waters, with solar panels and vertical-axis wind turbines...

Read More: [Times of India](#)

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

CSIR-IICT

29th June, 2026

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

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

Read More: [The Hindu](#)

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

CSIR-IICT

30th June, 2026

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



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

Read More: [PIB](#)

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

CSIR

30th June, 2026

For generations, apple orchards have been the backbone of Kashmir's rural economy. But in several villages across Pulwama district, the familiar green landscape is gradually giving way to vibrant purple fields.

Farmers who once depended almost entirely on apples are now embracing lavender, a crop that demands less investment, requires minimal maintenance and promises significantly higher returns.

The shift is more than a change in cultivation. It reflects a broader transformation in Kashmir's farming economy, where scientific research, government support and growing demand for aromatic products are helping cultivators build sustainable livelihoods...

Read More: [Money Control](#)

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



CSIR-IMTECH

30th June, 2026

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

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

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

Dr Pradip Sen of CSIR-IMTECH was part of a global consortium of 51 scientists led by Durham University, UK, that worked together to identify and validate new drug targets...

Read More: [The Print](#)

Union Minister unveils four advanced R&D facilities at CSIR-IICT

CSIR-IICT

30th June, 2026

Union Minister of State for Science and Technology Jitendra Singh on Tuesday inaugurated four state-of-the-art research facilities and laid the foundation stone for a 200-student hostel complex at the CSIR–Indian Institute of Chemical Technology (CSIR-IICT) in Hyderabad.



The new facilities include an advanced R&D centre for fluorochemicals, a decentralised Effluent Treatment Plant (ETP) for textile wastewater, Continuous Processing Technologies (CPT), and a Sustainable Engineering Complex (SEC)....

Read More: [The Hindu](#)

