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News Bulletin
16 to 30 September 2026

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

National Conference on Quantum and Semiconductor Technologies: Innovations for the Future Begins at CSIR-CGCRI, Kolkata

CSIR-CGCRI 14th September, 2026

Dr. Kalyan Chakraborti, Minister-in-Charge, Department of Science and Technology and Biotechnology, West Bengal, today inaugurated the two-day national conference on Quantum and Semiconductor Technologies: Innovations for the Future (CQST-2026) at CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI), Kolkata, in the presence of Professor

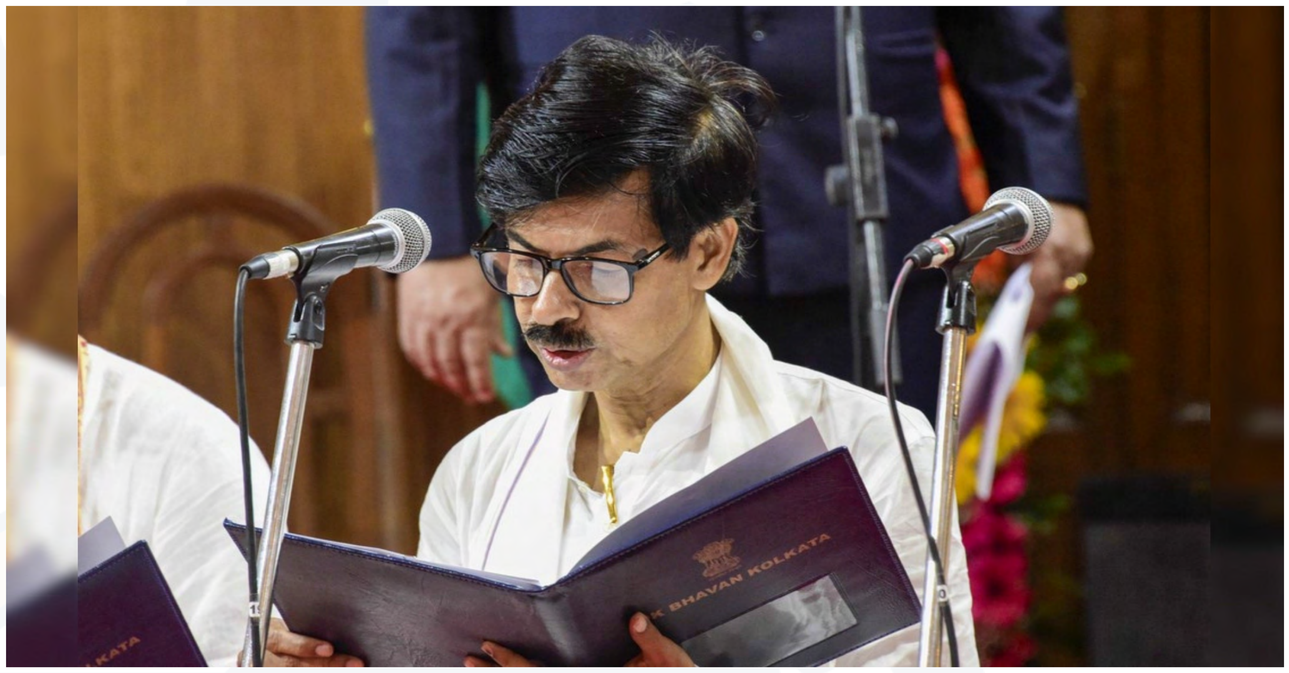


Bikramjit Basu, Director, CSIR-CGCRI. On the occasion, he also formally launched the Emerging Quantum and Semiconductor Technologies (EQST) Section at CSIR-CGCRI, marking a significant new initiative towards strengthening research and innovation in these strategically important technologies…

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West Bengal Debuts Dedicated Quantum and Semiconductor Hub at CSIR-CGCRI in Kolkata

CSIR-CGCRI 15th September, 2026



West Bengal Information Technology and Electronics Minister Kalyan Chakraborti has launched an Emerging Quantum and Semiconductor Technologies (EQST) section at the CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI) in Kolkata. Unveiled during the national conference on Quantum and Semiconductor Technologies (CQST-2026), the new research unit acts as a focused institutional anchor to accelerate deep-tech innovation and establish the state as a major destination for next-generation technology investments.

The newly inaugurated EQST facility will build on CSIR-CGCRI's technical capabilities in specialized glass, optical fiber, ceramics, and advanced photonics. Key research verticals will target two-dimensional quantum materials, advanced photonics for quantum devices, single-electron transistors, and superconducting quantum platforms…

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Tumours found in Turbinaria corals for first time, raising reef concerns

CSIR-NIO 15th September, 2026

Scientists from the Goa-based National Institute of Oceanography (CSIR-NIO) have documented tumor-like skeletal growths in Turbinaria corals for the first time anywhere in the world, warning that the abnormalities could threaten coral health and the marine ecosystems that depend on them.

Known as skeletal tissue growth anomalies (STAs), the abnormal, bulbous growths have previously been reported in around 16 Caribbean and 24 Indo-Pacific coral species. However, the latest finding is the first recorded instance of STAs in Turbinaria corals and the first detailed scientific report of such coral tumours along the Indian coast.

The discovery was made during scuba surveys in the Malvan Marine Sanctuary, a protected marine area along India's west coast. Researchers mapped coral health across belt transects at two depths and documented the abnormalities in affected colonies…

Read More: Times of India

CSIR-NIScPR Leverages SARAL AI to Take Scientific Research to Wider Audiences

CSIR-NIScPR 15th September, 2026

The CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR) has taken a new step towards strengthening science communication by leveraging SARAL AI: an initiative of Anusandhan National Research Foundation (ANRF) New Delhi to convert research published in its journals into engaging and accessible videos.

The initiative is in line with the Government's emphasis on adoption of emerging technologies for effective communication of science and research. Dr Jitendra Singh, Hon'ble Minister for Science & Technology, has recently encouraged the institutes to use SARAL AI, with CSIR-NIScPR emerging as a leading organisation in its adoption.

Under the leadership of Dr. Geetha Vani Rayasam, Director, CSIR-NIScPR, the Institute has been actively exploring new-age technologies and digital platforms to expand the reach and impact of science communication…

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Waste to Wealth: How India's steel slag roads could cut construction costs by 40 per cent and boost durability

CSIR-CRRI 16th September, 2026

or decades, the dark heaps standing outside Indian steel plants were a liability; they swallow the land, raise dust, and quietly degrade water and soil without adding a rupee earned. On September 12, 2026, one such heap collected a Guinness World Record.

At a ceremony in New Delhi, Union Minister of State (Independent Charge) for Science and Technology and Earth Sciences, Dr Jitendra Singh, said Steel Slag Road Technology can reduce road construction costs by around 40 per cent while delivering four times the strength of conventional roads, with major maintenance required only after roughly fifteen years in suitable applications.

The Guinness World Record for the World's Longest Road Built with Processed Steel Slag Aggregates, a 1.85-km four-lane divided stretch at Raigarh, Chhattisgarh, developed jointly by CSIR-Central Road Research Institute (CSIR-CRRI), New Delhi and Jindal Steel Limited. The road consumed approximately 200,000 tonnes of processed electric arc furnace slag and is engineered for a design traffic of 65 million standard axle repetitions…

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Central University of Kerala inks pact with CSIR-National Physical Laboratory

CSIR-NPL

16th September, 2026

The Central University of Kerala (CUK) has signed a Memorandum of Understanding (MoU) with the CSIR-National Physical Laboratory (CSIR-NPL), New Delhi, to facilitate collaborative research and development, staff and student exchange programmes, and sharing of research facilities and expertise.



The MoU was signed by Prof. V B Sameer Kumar, Registrar (in-charge), CUK, and Dr. Rajiv Singh, Scientist and Deputy Head, Human Resource Development, CSIR-NPL, in the presence of CUK Vice-Chancellor Prof. Siddu P Algur at CSIR-NPL, New Delhi.

The MoU will facilitate joint research projects in cutting-edge areas of science and technology, while enabling the two institutions to utilise their respective research expertise, infrastructure and facilities. The collaboration is expected to strengthen academic and research linkages and contribute to programmes of national importance…

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SFO Technologies unveil Primary Power Distribution System for first indigenous aircraft

CSIR-NAL

16th September, 2026

Giving a major boost to the nation's indigenous civil aviation capabilities, SFO Technologies Pvt. Ltd., the flagship aerospace and defence division of NeST Group, has successfully handed over the first airworthy unit of the Primary Power Distribution System (PPDS) for SARAS MKII - India's first indigenous passenger aircraft. The state-of-the-art power system,



jointly designed and developed with the Bengaluru-based CSIR-National Aerospace Laboratories (CSIR-NAL), was officially unveiled and handed over at a ceremony held at SFO's Hi Tek Park in Kalamassery.

Designed to meet the stringent airworthiness standards, the PPDS will serve as the electrical nerve centre for the 19-seater SARAS MKII aircraft. It manages electrical power generated by the aircraft's twin turboprop engines, distributing power to mission-critical onboard systems while featuring smart monitoring capabilities that allow real-time health monitoring of critical components of the PPDS via the central flight computer…

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Third BIMSTEC Conference on Traditional Medicine Knowledge, Genetic Resources and Intellectual Property Rights Begins in Goa

CSIR-TKDL

16th September, 2026

The Third BIMSTEC Conference on Traditional Medicine Knowledge, Genetic Resources and Intellectual Property Rights commenced today in Goa. The conference is being organised by the Ministry of Ayush, Government of India, with the All India Institute of Ayurveda (AIIA), Goa, serving as the nodal institute.



The two-day conference is being held alongside the Second Meeting of the BIMSTEC Nodal Group on Traditional Medicine Knowledge, Genetic Resources and Intellectual Property Rights. Experts, officials and representatives from BIMSTEC member countries are participating in the conference.

The conference also discussed the Traditional Knowledge Digital Library (TKDL), including controlled-access documentation, prior-art protection and the potential regional relevance of its experience…

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CSIR Transfers Technologies for Sustainable Leather Processing and Safer, Greener Roads to Industry

CSIR-CRRI, CLRI

16th September, 2026

The Council of Scientific and Industrial Research (CSIR) organised a Technology Transfer Event at CSIR Headquarters, New Delhi, today, bringing together technologies developed by CSIR-Central Leather Research Institute (CSIR-CLRI), Chennai, and CSIR-Central Road Research Institute (CSIR-CRRI), New Delhi, for transfer to industry.



The event, held at the SSB Auditorium, CSIR Headquarters, included presentations of the technologies by the two laboratories, followed by their transfer to industry. Dr. N. Kalaiselvi, Secretary, Department of Scientific and Industrial Research (DSIR) and Director General, CSIR, addressed the gathering. The programme also included remarks by the Directors of CSIR-CLRI and CSIR-CRRI.

The technologies showcased for transfer reflect CSIR's continuing emphasis on taking laboratory-developed solutions towards industrial deployment and addressing challenges relating to sustainability, circular economy, waste utilisation, road safety and infrastructure…

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Workshop On Microbial Bio-Diversity Marks International Microorganisms Day celebrates at CSIR-IIIM

CSIR-IIIM

17th September, 2026





The CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, on Thursday began a two-day programme to mark International Microorganisms Day 2026, bringing students and researchers together to highlight the growing importance of microorganisms in healthcare, agriculture, food production, environmental sustainability industrial biotechnology and diagnostics.

Organised by the Fermentation and Microbial Biotechnology (FMB) Division, the programme, being held on September 17 and 18, is centred on the theme "Understanding the Microfactories for Industrial Production", with a focus on microbial characterisation and selection for the production of industrially important products.

The inaugural session was attended by students of Government College for Women, Gandhi Nagar, Cluster University and Jammu University who were invited to participate in the programme and gain exposure to the research facilities and activities at CSIR-IIIM.

Read More: Dailyexcelsior

Science Policy and Communication in an Era of Global Challenges: From Boundaries to Breakthroughs

CSIR-NIScPR 17th September, 2026



Council of Scientific and Industrial Research (CSIR) has been organizing annual sessions (virtual mode) during the Science Summit at United Nations General Assembly (UNGA) that are aimed at showcasing CSIR's contributions to Science and Technology and efforts towards Global Sustainable Development. The central theme of SSUNGA81 is "From Boundaries to Breakthroughs: Science for a Regenerative and Equitable Future". With this background, CSIR-NIScPR organised an online session on “Science Policy and Communication in an Era of Global Challenges: From Boundaries to Breakthroughs” on 16 September 2026, bringing together experts and practitioners to deliberate on strengthening the interface between science, policy and society in addressing complex global challenges.

Dr. Naresh Kumar, Chief Scientist, CSIR-NIScPR, in his welcome address emphasized the importance of moving scientific knowledge from research to real-world application and urged the need for stronger institutional mechanisms for connecting research, policy and deployment…

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CSIR-CFTRI inaugurates integrated oilseed processing unit

CSIR-CFTRI 18th September, 2026

The Integrated Oilseed Processing Unit at CSIR-Central Food Technological Research Institute (CSIR-CFTRI) in Mysuru was inaugurated by Dr. Giridhar Parvatam, director, CSIR-CFTRI, recently on the occasion of the birth anniversary of Dr. V. Subramanian, founder director of CSIR-CFTRI.



The facility marks an important step towards the efficient utilisation and processing of oilseeds, technology development, and value addition, supporting India's goal of greater self-sufficiency in edible oil production while promoting sustainable processing, enhancing farmer income, and fostering entrepreneurship, according to CSIR-CFTRI. The facility currently provides a platform for pilot-scale and pre-commercial oilseed processing, with capabilities in oil extraction, filtration, refining, product development, and quality evaluation. The existing infrastructure includes an oil extraction unit (50 kg/hour), filtration unit (50 L/hour), short-path molecular distillation unit (up to 5 L/hour), equipment for oilseed-based paste and spread making, energy bar production, and other essential instruments for edible oil quality analysis…

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Scientific paper on genetic make up of Kodavas published

CSIR-CCMB

18th September, 2026



A scientific paper on the genetic makeup of Kodavas has been published by scientists from the University of Delhi, South Campus, and the Centre for Cellular and Molecular Biology, Hyderabad. The paper, titled 'Unique Demographic History and Population Substructure Among the Coorgs of Southern India', was published last year in Communications Biology, a peer-reviewed, open-access journal covering research in biology.

Journalist and author P.T. Bopanna, who is shortly bringing out a book on the origin of the Kodavas (Coorgs) based on the findings, said Coorg-born Prof. Buttiyanda Kuttapa Thelma of the Department of Genetics, University of Delhi, South Campus, and her team had carried out systematic sampling of the Kodava population across Kodagu using available genetic analytical tools.

Discussing the study's key findings, Bopanna said the Coorgs are not a single population but three, each with distinct histories and genetic makeups. The study segregated the present-day Coorg population into three genetically distinct sub-groups — Coorg1, Coorg2 and Coorg3…

Read More: The Hindu

Nanded mobility blueprint by Jan 2027; CSIR survey to cover traffic, parking, public transport

CSIR-CRRI 18th September, 2026

The traffic and transport network of Nanded is set for a detailed scientific assessment, with the CSIR-Central Road Research Institute (CSIR-CRRI) expected to submit recommendations for a comprehensive mobility plan by Jan 2027.

The development follows efforts by Rajya Sabha MP Ajeet Gopchade, who had written to the CSIR seeking expeditious action on the parliamentary assurance concerning the proposed traffic survey in Nanded.

In a letter to Gopchade on Wednesday, CSIR director general N. Kalaiselvi said the Nanded-Waghala City Municipal Corporation has accepted CSIR-CRRI's proposal to prepare a comprehensive mobility plan for Nanded for a 12-month period starting July 15, 2026. The institute has also received partial funding for the study.The field survey, which commenced on Aug 11, involves CSIR-CRRI scientists collecting data across the city…

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NIO scientists to probe underwater volcanoes in Andaman

CSIR-NIO 18th September, 2026

To decode cratered seamounts and submarine volcanoes in the Andaman Sea, the Geological Survey of India (GSI) and Goa-based CSIR–National Institute of Oceanography (CSIR-NIO) have joined forces for a scientific expedition.

Focusing on the Andaman Volcanic Arc, the mission will deploy advanced remotely operated vehicles (ROVs) designed to function in extreme deep-sea conditions. Equipped with high-precision imaging and sensor arrays, the ROVs will dive into the abyss to produce high-resolution maps, investigate active hydrothermal vent fields, and examine how submarine volcanic activity influences seabed mineralisation.

The expedition is being led by CSIR-NIO director Sunil Kumar Singh and GSI's head of marine and coastal survey, NM Shareef. The collaboration was formalised through a recently signed MoU to conduct a joint ROV expedition to investigate cratered seamounts in the Andaman Volcanic Arc…

Read More: Times of India

CSIR-IITR developing CRMs for food safety testing to reduce import dependence

CSIR-IITR 20th September, 2026

Scientists at the Council of Scientific and Industrial Research-Indian Institute of Toxicology Research (CSIR-IITR) are developing certified reference materials (CRMs) for heavy metals, pesticides and pharma-grade castor oil, which could help the food and pharmaceutical industries test daily use products for contaminants and ensure quality standards.

CRMs are used to ensure that measurements are traceable to the International System of Units (SI) and help assess the quality of products used in daily life.

Currently, India is dependent on imported CRMs for standardisation and quality assessment of food products, according to CSIR-IITR director Bhaskar Narayan.

“The importance of CRMs is that reference standards play a pivotal role in maintaining quality while producing products that are globally acceptable, with defined quality and shelf life, through testing and calibration measurements. Development of indigenous CRMs will save foreign exchange and lead to exponential economy growth,” Narayan said…

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Council of Scientific and Industrial Research Hosts 'CSIR SciQuiz' on MY Bharat Portal

CSIR

21st September, 2026

The Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology, in collaboration with the Department of Youth Affairs, Ministry of Youth Affairs and Sports has launched the CSIR Science & Innovation Quiz (CSIR SciQuiz) on the MY Bharat (Mera Yuva Bharat) Portal, as part of the activities marking CSIR's 85th Foundation Day celebrations.



The quiz is being conducted from 20–26 September 2026 and is open to all Indian citizens. The quiz comprises multiple-choice questions and features questions based on CSIR's scientific achievements, technologies, innovations, institutions and contributions to society and the nation.

The questions span diverse areas of CSIR's work, including healthcare, agriculture, environment, infrastructure, energy, aerospace, biotechnology and strategic technologies, highlighting the ways in which CSIR research is being translated into solutions for society and industry…

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Himachal: CSIR institute sets up nation's largest Lilium garden

CSIR-IHBT

21st September, 2026

The CSIR-Institute of Himalayan Bio-resource Technology (CSIR-IHBT), Palampur, in collaboration with the Department of Agriculture, Leh, has established the country's largest Lilium flower garden and high-altitude flower fields in Ladakh, opening up new possibilities for commercial floriculture in the cold desert region.



Ladakh Lieutenant Governor Vinai Kumar Saxena inaugurated the two flower gardens, spread over around 40 acres at Choglamsar and Stakna, on Friday in the presence of CSIR-IHBT Director Sudesh Kumar Yadav.

The gardens boast of more than 25 lakh high-value flowers, including around 24 lakh Lilium and one lakh gladiolus. The project was completed in record two months and sought to demonstrate the potential of high-value floriculture under the challenging agro-climatic conditions of Ladakh…

Read More: Tribuneindia

Dr Jitendra Singh Reviews Digital Library of Scientific Achievements, CSIR@85, ESTIC-2026 Preparations

CSIR-NIScPR

21st September, 2026

Union Minister of State (Independent Charge) for Science & Technology and Earth Sciences, and MoS in the Prime Minister's Office, Personnel, Public Grievances and Pensions, Atomic Energy and Space, Dr. Jitendra Singh, today called for stronger coordination among Science Ministries and Departments, development of city-based scientific clusters and wider public outreach of India's scientific achievements.



The meeting reviewed progress on the proposed Digital Library of Scientific Achievements, envisaged as a common repository of videos and other communication products showcasing the work of India's scientific institutions. CSIR-NIScPR is working as the nodal institution for developing the institutional mechanism and implementation framework for the Digital Library, while modalities for participation and resource pooling among the concerned Ministries and Departments are being worked out…

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New study reveals the genetic history – and possible future – of four Asian hornbills

CSIR-CCMB 21st September, 2026

Researchers from India have generated reference genomes for four threatened species of Asian hornbills, reports contributor Nikhil Sreekandan for Mongabay India.

The scientists from the Nature Conservation Foundation (NCF) in Mysore and the CSIR–Centre for Cellular and Molecular Biology (CCMB) in Hyderabad assembled high-quality genomes for threatened Asian hornbill species including the great hornbill (Buceros bicornis), rufous-necked hornbill (Aceros nipalensis), Malabar pied hornbill (Anthracoceros coronatus), and wreathed hornbill (Rhyticeros undulatus).

Prior to this study, whole-genome information was available for only two of the 32 Asian hornbill species. The research team used two types of genetic sequencing to create genetic maps for each of the species; together short- and long-read DNA sequencing helped researchers minimize errors…

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New study shows how a common parasite hijacks our immune system, and how an experimental drug could stop it

CSIR-NCL 22nd September, 2026

Researchers have uncovered how one of the world's most widespread parasites manipulates the human immune system to guarantee its own survival, offering a promising new strategy to fight the infection. The researchers found that Toxoplasma gondii, a microscopic parasite that infects almost all warm-blooded animals and humans, forcefully hijacks a specific protein switch in our frontline immune cells. By flipping this switch, the parasite tricks the immune system into creating a chaotic, highly inflammatory environment that actually helps the invader multiply and spread. Crucially, the research team also showed that an experimental drug blocking this hijacked protein can cut off the parasite's lifeline, curing infected mice and opening the door to new treatments for human patients. The team included researchers from the National Institute of Immunology, CSIR-National Chemical Laboratory, the Indian Institute of Technology (IIT) Bombay, the Institute of Liver and Biliary Sciences, Visva-Bharati University, Santiniketan, and the Birla Institute of Technology and Science…

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CSIR-Institute of Himalayan Bioresource Technology, Palampur develop micropropagation protocol for Moso bamboo

CSIR-IHBT 22nd September, 2026

Scientists at the CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, have developed an effective micropropagation protocol for Moso bamboo, a development that could open new avenues for commercial cultivation and provide additional income opportunities for farmers. The breakthrough was highlighted on World Bamboo Day, with the institute stating that its scientists had achieved an important milestone in bamboo biotechnology by developing a scientific protocol for producing quality planting material of Moso bamboo.

Moso bamboo is considered one of the world's economically important bamboo species and is widely found in China and Taiwan. Known for its rapid growth and large size, it has extensive applications in furniture, construction, handicrafts and various industrial products. Under favourable conditions, the species can reportedly grow to around 30 metres in height. According to CSIR-IHBT, the newly developed technology can facilitate the large-scale production of uniform and quality planting material. This is significant as conventional propagation of bamboo can be slow and may not provide planting material in sufficient quantities for commercial plantations…

Read More: Tribuneindia

Post-Flood Resilience Initiatives In Assam Under CSIR Smart Village Mission

CSIR-CBRI 22nd September, 2026

In the aftermath of severe floods that affected several villages across Assam, the CSIR Smart Village Mission has initiated coordinated field-level interventions in Junakimandal Village, Titabor, Jorhat, one of the villages selected under the Mission. The initiative aims to support post-disaster recovery through scientific and technological interventions while strengthening the long-term resilience of rural communities.

Recognising the damage to residential buildings, rural infrastructure and essential community facilities, Prof. Pradeep Kumar Ramancharla, Mission Director, CSIR Smart Village Mission, entrusted Dr. Kishor S. Kulkarni, Nodal Scientist, along with a multidisciplinary team from CSIR-CBRI, to undertake a field visit and assess the emerging needs of the community.

The team comprising Dr. Chandan Swaroop Meena, Principal Scientist; Dr. R. Siva Chidambaram, Principal Scientist; Ar. Nisha; Dr. Sumit; Ms. Arundhati; Mr. Anuj; and Mr. Pritom visited the flood-affected village. A field survey of affected houses was conducted to assess structural and non-structural damage and identify vulnerable building components. Based on the observations, suitable retrofitting and strengthening measures were suggested to improve the safety and flood resilience of existing houses…

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CSIR Foundation Day Celebrations – Open Day at CSIR Campus, Chennai

CSIR-SERC, CEERI, CECRI, CEERI, NEERI, NML, CSIO 22nd September, 2026

The Council of Scientific and Industrial Research (CSIR), a premier scientific and industrial research organisation under the Government of India, will celebrate its 85th Foundation Day on 26 September 2026. To mark the occasion, CSIR laboratories located at the CSIR Campus, Taramani, Chennai, will host an Open Day on Monday, 28 September 2026.



CSIR-Structural Engineering Research Centre (CSIR-SERC), a National Laboratory under CSIR, is engaged in Research and Development, Consultancy and Advanced Testing Services in the field of Structural Engineering. The CSIR Campus at Taramani also houses the regional centres of other CSIR laboratories working in diverse areas, including electrochemistry (CSIR-CECRI), electronics (CSIR-CEERI), environment (CSIR-NEERI), metallurgy (CSIR-NML) and instrumentation (CSIR-CSIO)…

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CSIR-SERC Transfers Eco-Friendly Geopolymer Concrete Block Technology to Industry Partner

CSIR-SERC 22nd September, 2026

As part of the 85th Foundation Day celebrations of the Council of Scientific and Industrial Research (CSIR), the CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, has transferred its indigenously developed Eco-Friendly Geopolymer Concrete Block technology to M/s. Archana Blocks, Rajapalayam, Virudhunagar district.



The formal agreement was executed between Dr. N. Anandavalli, Director, CSIR-SERC, and Smt. K. Archana, Proprietor of M/s. Archana Blocks. Developed as a sustainable alternative to conventional cement-based construction products, the geopolymer concrete block technology aims to lower carbon footprints and support environmentally responsible infrastructure development…

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CSIR-IIIM Jammu Observes World Ayurveda Day, Calls for Globalising Indian Herbal Therapeutics

CSIR-IIIM, NBRI

23rd September, 2026



CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, observed World Ayurveda Day 2026 with a call for greater scientific validation, modernisation and global acceptance of India's traditional systems of medicine. The programme, held under the theme "Ayurveda for a Healthier Tomorrow," brought together scientists, researchers, technical and administrative staff and students for deliberations on strengthening Ayurveda through scientific research and its wider integration with contemporary healthcare.

Addressing the gathering, Dr Zabeer Ahmed, Director, CSIR-IIIM Jammu and CSIR-NBRI Lucknow, said Ayurveda represented a rich traditional knowledge legacy that needed to be carried forward through modern scientific research, evidence-based validation and systematic development…

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Scientist transforms 1500 ha waste land into bamboo forest

CSIR-NEERI 23rd September, 2026

Once a lifeless hazardous fly ash dumping ground has now blossomed into a sea of green land covered with bamboo plantation, thanks to the vision, dedication, and science of one man Dr Lal Singh, a Principal Scientist at CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) who made this possible. Dr Lal Singh, with his team transformed more than 1,500 hectares of fly ash and garbage dumping grounds in Nagpur district itself including Koradi, Khaperkheda Thermal Power Plants, Manganese mine dump in Dongri Buzurg, Manganese mine dump in Gumgaon, Kalmeshwar etc.

Along with this, he got success to rejuvenate waste lands in Bhidoni village in Madhya Pradesh, Pipalkoti in Uttarkashi, Sonbhadra district in Uttar Pradesh, Chandrapur district in Maharashtra etc. With the help of ecological wisdom with community empowerment, Dr Lal Singh planted more than 5 lakh bamboo saplings on land once considered unfit for any form of vegetation -- not only reclaiming the soil but reviving the lives of people who depended on it. “Fly ash, a by-product of coal combustion, poses a severe threat to health. The fine, powdery material often contains heavy metals and is easily carried by wind, contaminating nearby fields. In 2016, the than Energy Minister of Maharashtra wanted a solution of this dust…

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BMC clears NEERI study to assess Kanjurmarg landfill emissions

CSIR-NEERI 23rd September, 2026

The Brihanmumbai Municipal Corporation (BMC) has cleared a proposal to appoint the Council of Scientific and Industrial Research-National Environmental Engineering Research Institute (CSIR-NEERI) to conduct a two-year scientific assessment of methane emissions, air pollution and foul odour from the Kanjurmarg solid waste processing facility, amid recurring complaints from residents of surrounding areas such as Kanjurmarg and Vikhroli.

The study is estimated to cost ₹3 crore and was cleared by the BMC's Standing Committee on Wednesday. CSIR-NEERI will assess emissions and odour levels around the facility and examine the factors contributing to the complaints from neighbouring residential areas, officials said.

The move comes against the backdrop of concerns raised by residents before the Bombay High Court over emissions from the Kanjurmarg site. A study based on satellite observations by researchers at the University of California, Los Angeles (UCLA) identified Kanjurmarg as a significant methane hotspot…

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CGCRI showcases materials-led innovations for Viksit Bharat

CSIR-CGCRI 25th September, 2026



As part of the PIB Hyderabad media tour to Kolkata, a media delegation from Telangana visited the CSIR-Central Glass & Ceramic Research Institute (CGCRI) today, where Professor Bikramjit Basu, Director, CSIR-CGCRI, showcased the institute's pioneering work in ceramics, glass and advanced materials and its contribution to indigenous technology development for healthcare, strategic and national security, energy, industry and sustainability.

Speaking on the theme "Materials-Led Innovation for Viksit Bharat: A Developed India," Professor Basu outlined the role of CSIR in taking research and scientific discoveries from laboratories towards technology development, industrial adoption and societal applications. He said CGCRI, established in 1950 and recently completing 75 years of its scientific legacy, is among the leading institutions globally focused on ceramics, glass and advanced materials…

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Technological Sovereignty Crucial to National Sovereignty, Says Union Minister Dr. Jitendra Singh at CSIR@85 Foundation Day

CSIR 25th September, 2026

Technological sovereignty is crucial to national sovereignty and India cannot remain dependent indefinitely on imported technologies in areas critical to its economy, security and development, Union Minister of State (Independent Charge) for Science & Technology, Earth Sciences, and MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr. Jitendra Singh, said today.



Addressing the 85th Foundation Day celebrations of the Council of Scientific and Industrial Research (CSIR) at C. R. Subramaniam Hall, NASC Complex, Pusa, New Delhi, he said CSIR laboratories must identify areas of critical technological dependence and work towards indigenous solutions that are globally competitive in performance, quality and cost. India's ambition, he said, must go beyond import substitution and extend to becoming a technology provider to the world…

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CSIR-NIIST and Tata Consumer Products Ltd. to Establish Centre of Excellence for Food Fortification at Thiruvananthapuram

CSIR-NIIST 25th September, 2026



CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, and Tata Consumer Products Limited (TCPL) have joined hands to establish the Centre of Excellence for Food Fortification Innovation, Research and Training (CEFIRT) at the CSIR-NIIST Innovation, Technology and Entrepreneurship (ITE) Hub at the Bio 360 Life Sciences Park, Thonnakkal, Thiruvananthapuram, Kerala. The collaboration was formalised through a Memorandum of Understanding (MoU), which was exchanged during the 85th CSIR Foundation Day celebrations held at the National Capital, on 25th September 2026, in the presence of the Hon'ble Union Minister of State (Independent Charge), Ministry of Science and Technology and Ministry of Earth Sciences, Dr. Jitendra Singh, and Secretary, Department of Scientific and Industrial Research (DSIR) and Director General, CSIR, Dr. (Mrs.) N. Kalaiselvi. Mr. Partha Biswas, President – RTD Business, TCPL., was also present during the occasion…

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Bhopal media delegation visits CSIR-IIIM, Suchetgarh border

CSIR-IIIM

25th September, 2026

A media delegation from Bhopal, on an exposure tour organized by the Press Information Bureau (PIB), today visited CSIR–Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, and Border Outpost (BOP) Suchetgarh to gain first-hand insight into scientific research, innovation, border management and tourism initiatives.



At CSIR-IIIM, the visiting journalists interacted with scientists and officials and were briefed on the Institute's research, societal mission projects and bio-entrepreneurship initiatives. Welcoming the delegation, Dr Saurabh Saran highlighted the Institute's advanced facilities and industry linkages, describing CSIR-IIIM as a bridge connecting industries, startups, farmers, youth, academic institutions and Government agencies. He said the institute was pursuing drug leads for challenging conditions, including Alzheimer's disease, osteoarthritis and cancer pain, by integrating traditional Ayurveda with modern medicine…

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Dr Jitendra Singh, Hon'ble Minister for Science & Technology, launched popular science magazines in five Indian languages published by CSIR-NIScPR

CSIR-NIScPR

26th September, 2026

On the occasion of the 85th Foundation Day of the Council of Scientific and Industrial Research (CSIR), Dr Jitendra Singh, Hon'ble Union Minister of State (Independent Charge), Ministry of Science & Technology, launched five new popular science magazines in Tamil, Telugu, Marathi, Bengali and Assamese, published by the CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR).



The magazines- বিজ্ঞান লহৰ (Bigyan Lahar) in Assamese, বিজ্ঞান বৃত্তান্ত (Bigyan Brittanto) in Bengali, विज्ञान क्षितिज (Vidnyan Kshitij) in Marathi, அறிவியல் அறிக்கையாளர் (Ariviyal Arikkaiyalar) in Tamil, and విజ్ఞాన్ వెలుగు (Vigyan Velugu) in Telugu- mark an important expansion of CSIR-NIScPR's popular science publishing portfolio. The launch builds upon the Institute's long-standing tradition of science communication through its flagship magazines Science Reporter (English), Vigyan Pragati(Hindi) and Science ki Duniya (Urdu)…

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Over 7,000 visit CCMB Open Day to explore science and health

CSIR-CCMB 26th September, 2026

"Liquid nitrogen. Cancers. Eyes. Brain. Spiders," shouted students of Guru Nanak High School, Hyderabad, as they recalled some of the new ideas they had learned at the CSIR-Centre for Cellular and Molecular Biology (CCMB)'s Open Day organised here on Saturday. The students were among more than 7,000 visitors who attended the event.

To celebrate science with the public, CCMB organises its Open Day every year, with school and college students making up most of the visitors. This year's themes were 'Life Around Us' and 'Health'. Research groups at CCMB created discussion areas showcasing their scientific research under these themes.

The event gave CCMB scientists and PhD students an opportunity to explain their work to thousands of non-scientists…

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Your Mobile Phone Began as Rocks, NGRI Shows

CSIR-NGRI 26th September, 2026

Ever wondered how much of a mobile phone comes from beneath the Earth? Rocks and minerals that eventually find their way into mobile phone components were among the exhibits that drew visitors at the CSIR–National Geophysical Research Institute (CSIR-NGRI) Open Day in Hyderabad on Saturday.

Scientists also demonstrated how earthquakes are recorded and analysed, groundwater resources are mapped and monitored, and mineral and other natural resources are explored.

A live 3D visualisation of magnetotelluric techniques showed how variations in the Earth's natural electromagnetic fields help scientists identify electrically conductive structures beneath the surface. Other exhibits explained the formation and evolution of the Earth over geological time.Around 5,000 people, including students from schools and colleges and members of the general public, attended the Open Day, according to the institute. Visitors explored laboratories, observatories and research facilities, interacted with scientists and watched live demonstrations at around 20 thematic exhibits and stalls…

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Andaman seabed carries Himalayan signature: Researchers

CSIR-NGRI 27th September, 2026

Sediments lying on the floor of the Bay of Bengal near the Andaman Islands may appear local, but scientists have found that much of this mud and sand actually began its journey in the Himalayas, travelling thousands of kilometres through one of the world's largest river systems before settling deep beneath the ocean.

A team from the CSIR-National Geophysical Research Institute (NGRI), Hyderabad, and the CSIR-National Institute of Oceanography (NIO), Goa, studied samples of seabed material collected at various depths, ranging from shallow waters near the islands at 110 metres to the deep ocean floor at 3,177 metres.

"This is interesting because one might naturally expect the sediments closest to the Andaman Islands to be dominated by material eroded from those islands. Instead, the evidence we found indicates a strong Himalayan sediment signature even in locations close to the Andaman margin," said Pavan Miriyala, one of the researchers from CSIR-NGRI…

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Science, up close and personal

CSIR-CCMB 27th September, 2026

For school students who walked into CCMB on Saturday, liquid nitrogen, cancers, eyes, brains and spiders were no longer just words in a science textbook. At the centre's Open Day, science leapt off the page and into the laboratory for more than 7,000 visitors, who explored microscopes and experiments and interacted with the scientists behind them.

For nearly half of the participating schools, it was their first visit to CCMB or any research institution. The Open Day, held every September 26 as part of CCMB's foundation day celebrations, focused this year on two themes — 'Life Around Us' and 'Health'.

Scientists and PhD scholars set up interactive, research-based stalls, explaining scientific concepts and showing students how laboratory research connected with everyday life. A career zone allowed students to interact with scientists and ask about academic pathways, degrees and careers in research, while a game zone added an element of fun to the learning experience…

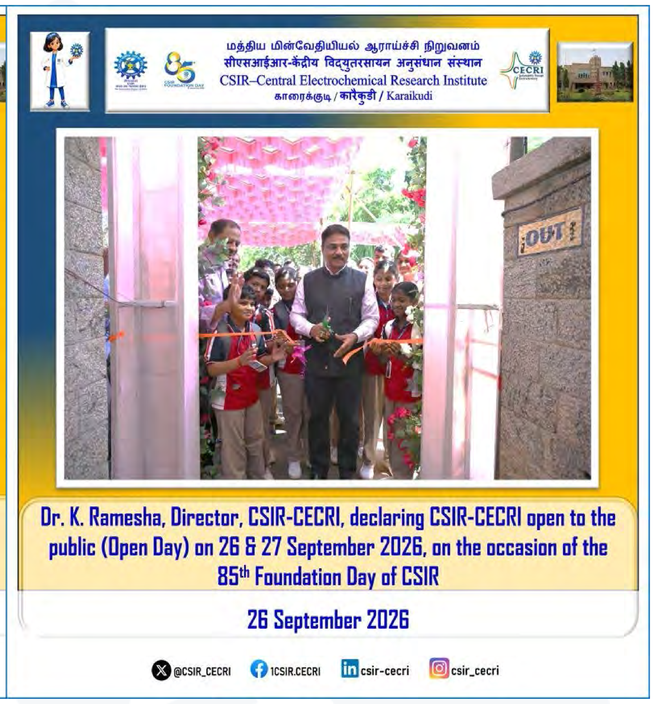
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CSIR-CECRI Karaikudi Organises Two-Day Open Day to Mark 85th CSIR Foundation Day

CSIR-CECRI 27th September, 2026

To commemorate the 85th Foundation Day of the Council of Scientific & Industrial Research (CSIR), the CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi, organised a two-day 'Open Day' event on September 26 and 27, 2026. The Open Day was inaugurated on September 26 by Dr. K. Ramesha, Director, CSIR-CECRI, who also launched an outdoor LED wall display showcasing the institute's recent technological developments and R&D achievements. Welcoming students, industrialists, and the public, Dr. Ramesha invited visitors to observe technology demonstrations, science exhibitions, and research facilities. He emphasized that firsthand exposure to ongoing research will inspire young minds to pursue careers in science and technology, contributing directly to the vision of Viksit Bharat @2047…





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Making every second count: The creation of Indian Standard Time at Delhi's NPL

CSIR-NPL

28th September, 2026

Indian Standard Time (IST) is created at the CSIR-National Physical Laboratory (NPL) in a room the size of an office cubicle, on a sprawling Delhi campus, not far from where the Green Revolution took root. Created, not in the Einsteinian way of space and gravity doing mysterious things, nor in the pejorative way about Indian time being stretchable. Time here emerges as a consensus of a parliament of clocks.



Parliament is not stretching the comparison. NPL's foundation stone was laid in 1947 and its building opened in 1950, the year India brought its Constitution to effect. No other institution clocks itself so exactly to the nation's origin. On 27 August, the Department of Consumer Affairs notified the Legal Metrology (Indian Standard Time) Rules, 2026, which make IST the only permissible time reference in the country for legal, administrative, commercial and official purposes, require that it be drawn from an authorised Indian source, and come into force in the last week of February 2027…

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TKL3 Regulates Malaria Parasite Fitness and Transmission

CSIR-CDRI 28th September, 2026

TKL3: A Key Regulator of blood-stage fitness, male gamete fertility, and transmission-stage development in Plasmodium berghei

Research Summary: Despite declining mortality rates, malaria remains a major infectious disease in the developing world. To effectively control and eliminate malaria, interventions must target multiple stages of the parasite's life cycle. Male gamete fertility, ookinete maturation, and establishment of infection in the midgut are critical for malaria transmission to the mosquito vector. In this study, we demonstrate that P. berghei TKL3 is critical for male gamete fertility, ookinete differentiation, and establishment of infection in the mosquito midgut. Our study identifies TKL3 as a potential target for developing malaria transmission-blocking strategies.

Lab PI name: Dr. Satish Mishra, Senior Principal Scientist, CSIR-Central Drug Research Institute, Lucknow, India.

University: Academy of Scientific and Innovative Research, Ghaziabad. CSIR-Central Drug Research Institute, Lucknow, India…

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Sea change ahead for Indian agriculture

CSIR-CSMCRI 28th September, 2026

Bhavnagar-based CSIR-Central Salt and Marine Chemicals Research Institute (CSIR-CSMCRI) has transferred its indigenously developed seaweed biostimulant technology to a Visakhapatnam firm, marking a significant step towards commercialising the marine-based innovation that has demonstrated yield gains of up to 37% in field trials across India.

The technology is based on the production of natural biostimulants derived from the seaweed species Kappaphycus alvarezii.

The technology transfer agreement was signed last week. Officials said the partnership will help scale up industrial production of the seaweed-derived agricultural input.

Kamalesh Prasad, head of business development and information management at CSIR-CSMCRI, said the agreement would accelerate the industrial use and value addition of marine biomass, particularly through the conversion of Kappaphycus alvarezii into nutrient-rich sap formulations for agriculture…

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DRDO, CSIR-CGCRI join hands on Rs 50-crore project to develop lighter bulletproof glass

CSIR-CGCRI 28th September, 2026

The Defence Research and Development Organisation (DRDO) has joined hands with CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI) as technology partner for a Rs 50-crore project to develop indigenous advanced lightweight bulletproof glass for armoured vehicles.

The four-year project, being executed with DRDO laboratories including the Naval Materials Research Laboratory (NMRL) in Maharashtra and TBRL in Chandigarh, is at an advanced stage and seeks to take the technology from laboratory development to large-scale manufacturing with an industry partner to be selected by DRDO.

The technology is aimed at replacing imported transparent armour while reducing its weight and thickness by up to 50 per cent. "The Rs 50-crore project is aimed at developing advanced indigenous bulletproof glass technology for defence applications and aligns our R&D capabilities directly with national strategic requirements," CSIR-CGCRI Director Bikramjit Basu told PTI…

Read More: Economictimes

CSIR 85th Foundation Day : SERC organises Open Day in Chennai

CSIR-SERC, CMC, CECRI, CEERI, CSIO, NEERI, NML 28th September, 2026



The 85th Foundation Day of the Council of Scientific and Industrial Research (CSIR), New Delhi, an autonomous organization under the Ministry of Science and Technology, Government of India, was celebrated with great enthusiasm on 26 September 2026. As part of the Foundation Day celebrations, an Open Day was organised on 28 September 2026 at the CSIR Campus, Taramani, Chennai, by CSIR-Structural Engineering Research Centre (CSIR-SERC) and CSIR Madras Complex (CMC).

As part of the Open Day, the facilities of CSIR-SERC and the regional units of CSIR-CECRI, CSIR-CEERI, CSIR-CSIO, CSIR-NEERI and CSIR-NML located at the CSIR Campus, Taramani, Chennai, were opened to the public. The Tower Testing and Research Station (TTRS) of CSIR-SERC at Tirusulam also participated in the programme…

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CMPDI and CSIR-CIMFR Join Hands to Accelerate Coal Gasification Projects in India

CSIR-CIMFR 29th September, 2026

Central Mine Planning and Design Institute Limited (CMPDI), Ranchi, and CSIR-Central Institute of Mining & Fuel Research (CSIR-CIMFR), Dhanbad, signed an MoU for scientific cooperation in the field of Coal Gasification on 29th September 2026 at CSIR-CIMFR office, Dhanbad.



The MoU was signed by Vikrant Gupta, HOD, Business Development, CMPDI, and Amar Nath, Scientist-G, Head, Technology Management & International S&T Affairs Division, CSIR-CIMFR in the august presence of Chaudhari Shivraj Singh, Chairman-cum-Managing-Director (CMD), CMPDI; R.T Mandekar, Director General of the Directorate General of Mines Safety (DG-DGMS); Prof. Arvind Kumar Mishra, Director, CSIR-CIMFR; B.K.Pandey, GM(Clean Energy Department), CMPDI and Ghanshyam S. Gahlot, Regional Director, CMPDI, RI-II, Dhanbad…

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Odisha first critical mineral refining company signs CSIR IMMT pact

CSIR-IMMT 29th September, 2026

Bhubaneswar-based Revanta Minerals Private Limited (RMPL) has become Odisha's first company in the critical-mineral refining segment to sign a memorandum of understanding with the CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT) for joint research and technology development on the recovery and refining of critical and strategic minerals from secondary sources.

The agreement was exchanged at the sixth Research, Industry, Start-up and Entrepreneurship (RISE) Conclave 2026 at the CSIR-Indian Institute of Chemical Biology campus in Salt Lake, Kolkata. The collaboration is intended to develop process and refining technologies for mineral values recovered from waste-derived and other non-primary resources.

RMPL and CSIR-IMMT will work on research, process development and technology advancement in a field that has gained attention as India seeks to strengthen domestic capabilities in critical-mineral processing and advanced materials. Secondary sources can offer an additional route to mineral recovery alongside conventional primary resources…

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Influenza, COVID-19 may fuel Parkinson's processes, finds CCMB

CSIR-CCMB 29th September, 2026

Infections such as influenza and COVID-19 may increase the risk of neurodegenerative disorders, including Parkinson's disease. However, the biological link between viral infections and brain degeneration has remained poorly understood.

A new study by scientists at the CSIR-Centre for Cellular and Molecular Biology (CCMB) has shed light on how certain RNA viruses may trigger processes linked to Parkinson's disease. The researchers have also identified a natural cellular defence mechanism that can help limit the damage.

The team, led by Swasti Raychaudhuri, studied how infections caused by RNA viruses, including influenza and SARS-CoV-2, trigger molecular changes associated with neurodegeneration. Such diseases are often characterised by the buildup of abnormal protein deposits in the brain. These abnormal protein clumps disrupt communication between neurons, impairing their normal function over time. Unlike humans, whose genetic material is stored as DNA, these viruses carry their genetic information in RNA…

Read More: The Hindu

CSIR–NGRI celebrates 85th foundation day with open day

CSIR-NGRI 29th September, 2026

Around 5,000 students, educators and members of the public explored the world of Earth sciences at an Open Day organised by the CSIR–National Geophysical Research Institute (CSIR–NGRI) recently, as part of the celebrations marking the 85th Foundation Day of the Council of Scientific and Industrial Research (CSIR).

The event provided visitors with an opportunity to learn about geoscientific research through interactive exhibits, working models, live demonstrations and conversations with scientists. Students from schools and colleges formed a significant part of the visitors, with activities designed to encourage curiosity and interest in Earth sciences.

Nearly 20 thematic exhibits presented research across areas including seismic studies, tectonic geodesy, thermal geophysics, rock mechanics, palaeomagnetism, geomagnetism, planetary sciences, earthquake and tsunami hazards, groundwater exploration, geochemistry, magnetotellurics, geochronology and isotope studies…

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CSIR-IITR at 85: Experts urge science-to-society push beyond labs

CSIR-IITR 29th September, 2026

Scientists and industry leaders at the 85th Foundation Day celebrations of Council of Scientific and Industrial Research (CSIR) at Indian Institute of Toxicology Research (IITR) on Monday said science must move beyond laboratories and research papers to deliver technologies that reach people.

Speakers highlighted the need for stronger collaboration between research institutions and industry, and for scaling up innovations for real-world deployment. They said emerging areas including artificial intelligence, synthetic biology, advanced computing, personalised healthcare, telemedicine, low-cost diagnostics and next-generation risk assessment are likely to shape the next decade of applied research and public-facing technologies.

SP Vasireddi, executive chairman of Vimta Labs Ltd, Hyderabad, and the chief guest, said successful science should generate societal value along with business value, keeping people at the centre of innovation. He urged researchers to focus on collaboration, technology scale-up, manufacturing and large-scale deployment rather than limiting outcomes to publications…

Read More: [Times of India]

What DNA reveals about 65,000 years of Indian ancestry

CSIR-CCMB 30th September, 2026



What can our DNA tell us about where Indians came from? How far back can scientists trace human migration? And can artificial intelligence help decode the genetic history of one of the world's most diverse populations?

For Dr Kumarasamy Thangaraj, a geneticist at the CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad, these questions have shaped more than three decades of scientific research. A CSIR Bhatnagar Fellow, Dr Thangaraj has worked extensively on population genetics and human evolution. His research has helped trace the ancestry and migration of Indian populations, including studies of the Andaman tribal populations that provided evidence for an early modern human migration out of Africa through a southern coastal route about 65,000 years ago…

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