CSIR IN MEDIA

सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

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

CSIR-CLRI teams up with Naser Bali to make gloves for extreme cold weather

CSIR-CLRI 30th September , 2024

The CSIR-CLRI, an authority in leather science and technology, on Monday announced that it has teamed up with M/s. Naser Bali (Gloves) Pvt. Ltd., a leader in quality leather apparel and sporting gloves, to introduce cutting-edge Indian leather and gloves designed for extreme cold weather, especially for defence personnel deployed in high altitudes.

The technology licensing agreement to transfer the two know-hows has been initiated today through which the two global leader--one in S and T development and one in translation--are coming together to bring innovation to the consumer. CSIR-CLRI and M/s. Naser Group is proud to announce this renewed partnership for S and T-led Vikisit Bharat.

CSIR-Central Leather Research Institute, a constituent laboratory of the Council for Scientific and Industrial Research (CSIR) under the Ministry of Science and Technology, constantly strives to bring out innovations that are globally relevant and locally self-reliant.

Through a project named CHILLS (Chemicals for Low-Temperature Applications of Leather in Strategic Sector), technologies for developing leathers and gloves that can be used at very low temperatures, especially for defense personnel deployed in high altitudes, have been developed,

and intellectual property (IP) protected, a PIB release here said.
After stringent onsite evaluation and assuring technology readiness, two technologies, namely, the process for making cold-resistant lightweight leather and the process for making extreme cold weather gloves, are now being transferred to the manufacturing sector, which in turn would take it to the user Ministries and consumers.

The institute is happy that India's leading producer of quality leather garments, fashion, and

sporting gloves since 1964 is partnering with us in the manufacturing industry. Known for their high-quality manufacturing, crafting skills, commitment to environmental protection, and contemporary designs that are sought after by major brands in the world, M/s. Naser Group would make the gloves available to the defense and other ministries as an indigenous product meeting global standards.

Published in:
Uni India

5 scientists secure spot in World's Top 2% Scientists List

CSIR-NEIST 30th September , 2024

In a remarkable achievement, five distinguished scientists from CSIR-North East Institute of Science and Technology (CSIR-NEIST), Jorhat have been recognized among the top 2% of scientists worldwide. This prestigious recognition, bestowed by a Stanford University study, celebrates their outstanding contributions to scientific research across diverse fields. Including these five scientists in the list reinforces CSIR-NEIST's Jorhat role as a scientific innovation and excellence leader.

Dr VM Tiwari, Director, CSIR-NEIST, expressed extreme happiness in this significant accomplishment, noting that including the institute's scientists on this global platform showcases the region's growing prominence in research and innovation. He further added, "This recognition not only highlights the individual achievements of our scientists but also strengthens our institute's reputation as a hub of high-impact scientific research and innovation." The five distinguished scientists, include Dr. Mohan Lal, Dr.Binoy Kumar Saikia, Dr.Manash Ranjan Das, Dr.Prasenjit Manna, and Dr.Ravindra K. Rawal whose contributions range from medicinal and aromatic plants to chemistry and material science to environmental sustainability, which have been instrumental in advancing research that benefits both academia and industry. This achievement underscores CSIR-NEIST's commitment to fostering scientific talent and contributing to global research challenges. It also serves as an inspiration for the next generation of researchers from the region, encouraging continued dedication to high-impact science. The recognition of these scientists among the world's elite is a testament to their hard work, dedication, and the institute's unwavering support for research excellence.

Published in:
Sentinelassam

Cleaning and Plantation drive undertaken by CSIR-NML at Tatanagar Railway station

CSIR-NML

30th September , 2024

In alignment with the "Swachhta Hi Seva 2024 campaign, CSIR-National Metallurgical Laboratory (CSIR-NML), Jamshedpur, in association with the Railway authority, organized a cleanliness drive and plantation program at the Tatanagar Railway Station. This was started today (30th September 2024) under the guidance of Dr. Sandip Ghosh Chowdhury, Director, CSIR-NML, Mr. Abhishek Singhal, Area Manager, Tatanagar and Dr. Sarmistha Sagar, Chief Scientist, CSIR-NML.

An NML team comprising Dr. S. Sivaprasad, Dr. Raghuvir Singh, Dr. B Ravi Kumar, Dr. Manoj Kr Humane, Mr. Byomkesh Dash, Mr. Viplave Vishal, Mr. Bhola Azad, Shri Chandresh Kumar, Shri Uday Bhaskar Rao, Ms Y Usha and many others joined this program along with a team from Railway authorities.

Besides cleaning the Railway station premises, 10 trees were planted in the designated areas. Two plants along with Pots had been handed over to the Area Manager, Tatanagar by the Director, CSIR-NML.

"Safai Mitras" of Railway authorities were felicitated during this program. CSIR-NML is celebrating the Swachhta Hi Seva 2024 program from 17th September 2024. Under this campaign, CSIR-NML has organized an awareness lecture on the "Role of Swachhta on Hygiene". It was initiated by Dr. Priyanka Singh, Medical Officer, CSIR-NML for the Safai

Karmachari on 25th September, and a Quiz competition on the topic of Swachhta was conducted by Dr Prem Kumar and his team at the NML- Kerala Public School on 27th September. CSIR-NML will felicitate 60 “Safari Mitras” during the closing ceremony of the Swachhta Hi Seva 2024 program on 1st October.

Published in:
Jharkhandstatenews

IIIM organizes Blood Donation Camp

CSIR-IIIM 30th September , 2024

As part of "National Voluntary Blood Donation Day", which falls on 1st October, the CSIR-Indian Institute of Integrative Medicine (IIIM), Jammu, in collaboration with the Department of Blood Transfusion Medicine, Govt. Medical College, Jammu, organized a Blood Donation Camp in the campus of IIIM here today, in which more than 30 units of blood were collected by the team of GMC, Jammu. During the camp, staff members, research scholars and students actively participated and donated the blood for the welfare and safety of the humanity.

Speaking on the occasion, Dr. Zabeer Ahmed, Director, CSIR-IIIM, Jammu, told that blood donation is one of the best ways to thank the humanity and God. Besides, saving precious lives of our fellow citizens during the tough time, it helps the donor by activating the bone marrow, lower blood pressure and other various health benefits.

Further, appreciating the donors and team of medical and para-medical staff of IIIM and GMC, he said, blood donation is a noble cause; everyone should take part voluntarily. We will also organize such type of camps in the future for the wellbeing of humanity, he added.

The camp was organized under the supervision of Dr.(Mrs.) Renu Bala and her team from Govt. Medical College, Jammu, while coordinated by Dr. Amit Sharma, Sr. Medical Officer, & Dr. (Mrs.) Anju Gupta, Medical Officer of IIIM. Prominent among others were also present during the camp, Er. Abdul Rahim, Chief Scientist & Head, RMBD & IST Division, Vikram Singh, Senior Controller of Administration, Dr. (Mrs.) Asha Chaubey, Sr. Principal Scientist & Head, FMB Division, Dr. Dhiraj Vyas, Sr. Principal Scientist & Head, PSA Division, Dr. Sumit Gandhi, Sr. Principal Scientist & Head ID Division, Dr. (Mrs.) Deepika Singh, Principal Scientist & Head, QMI, Division and Rajesh Gupta, Administrative Officer.

Published in:

Jammulinksnews

CDRI finds protein-drug combo to treat osteoporosis induced by chronic kidney disease

CSIR-CDRI 30th September , 2024

After research of five years, CSIR-Central Drug Research Institute (CDRI) has discovered that treating the protein ‘sclerostin' with a drug can potentially help in treatment of osteoporosis or fractures induced by chronic kidney disease (CKD).

Based on the research findings, CDRI has partnered with multinational pharmaceutical company Zydus Lifesciences Ltd, Ahmedabad, to develop drugs for treating bone metabolism disorders. The collaboration aims to ensure CKD patients struggling with osteoporosis and fractures have access to effective and affordable therapies that improve their quality of life.

CDRI director Radha Rangarajan said, "Chronic kidney disease affects over 10% of the global population, posing significant health challenges. CKD causes progressive loss of kidney function and can ultimately lead to kidney failure. One of the hallmarks of CKD is disruption of mineral metabolism, increasing risk of osteoporosis and fractures. Hence, CDRI, along with Zydus, has begun drug discovery for a cure for osteoporosis and fractures triggered by CKD."

Rangarajan explained that individuals over 65 years of age, especially women, are at higher risk of developing fractures and osteoporosis due to CKD. Most conventional anti-osteoporosis medications are contraindicated in CKD patients because they may worsen renal function. Therefore, there was urgent need to develop safe and effective drugs for osteoporosis that could reduce fracture risk without deteriorating renal function, she added.

"Studies suggest the sclerostin protein plays key role in dysregulation of bone metabolism. In patients with advanced stages of CKD and osteoporosis, sclerostin levels are observed to be high. Based on research conducted at CDRI and data from antibody-based therapies (biologics), sclerostin has emerged as a promising drug target for treating CKD-induced

osteoporosis as well as postmenopausal osteoporosis," she added. To develop oral medication through the discovery of small molecule inhibitors of sclerostin, CDRI and Zydus Lifesciences Ltd, Ahmedabad, have signed a collaborative research agreement, under which, both organisations will jointly undertake preclinical research and any drug candidate emerging from their efforts will be developed by Zydus for India and other markets.

Rangarajan mentioned that CDRI had extensively worked in the area of bone metabolism under the leadership of senior scientist Naibedya Chattopadhyay. The CDRI team, consisting of several researchers, will take a pioneering approach to identify compounds that inhibit Sclerostin signalling. The complementary expertise and capabilities of CDRI and Zydus Lifesciences, combined with their shared mission to address India's unmet needs through innovative therapies, make this collaboration particularly meaningful.

Published in:
Times of India

CSIR-NIO's study on microplastics reveals extent of pollution on Goa coast

CSIR-NIO

29th September , 2024

The CSIR-National Institute of Oceanography's study on microplastics over the last decade has been instrumental in uncovering the extent of pollution on Goa's coast. The CSIR-National Institute of Oceanography (NIO) in Dona Paula began its research on microplastics in 2013-14 with the partial support of the state and Central governments. A team of researchers led by principal scientist Dr Mahua Saha has been collecting samples from beaches littered with plastic bottles and other waste to study the presence and impact of microplastics. Talking to PTI, CSIR director Dr Sunil Kumar Singh said the problem is that microplastics in water (rivers and sea) have started making their way into food and entering human bodies.

He said plastic waste breaks down into microplastics, enters the water system, and subsequently into the food chain through fish and other marine life consumed by humans. The NIO has established the country's first laboratory dedicated to microplastic research. Principal scientist Dr Saha said from pieces of discarded plastic products, such as bottles and bags, to particles from paint coatings, microplastics are studied in depth to reveal their impact on the environment and human health.

"We have to identify every particle and its polymer. So, from the polymer, we find out the source of the microplastic. If the microplastic is polyethene, the particle might have come from packaging material," she said. Saha said in Goa, where fish is consumed predominantly, the research team's task is to identify microplastics in seafood. Director of Science and Technology Dr Ankit Yadav (IAS) said his department, through the Goa Waste Management department, has been working to reduce marine litter and to improve the system and the policies.

Published in:

Business-standard

Blockchain for Impact inks MoU with Central Drug Research Institute to foster biomedical research

CSIR-CDRI

28th September , 2024

Blockchain for Impact (BFI) and Council of Scientific & Industrial Research (CSIR)-Central Drug Research Institute (CDRI) have signed a Memorandum of Understanding (MoU) to foster biomedical research and innovation under the aegis of the BFI-BIOME Virtual Network Programme.

This partnership will harness the drug research prowess of CSIR-CDRI to support the development of indigenous therapeutic interventions for tackling communicable and non-communicable diseases.

Under this collaboration, BFI will fund Lucknow-based CDRI over three years for conducting upstream research in disease biology and translating the results into therapeutics to face healthcare challenges of the future. With CSIR-CDRI, a premier drug research institute of India, now a part of the BFI-BIOME Virtual Network Programme, BFI is positioned to contribute to national health missions and goals.

Published in:

Biospectrumindia

NIO holds Open Day to celebrate 83rd Foundation Day of CSIR

CSIR-NIO

28th September , 2024

The Council of Scientific and Industrial Research-National Institute of Oceanography (CSIR-NIO) celebrated the 83rd Foundation Day of the CSIR by organizing an Open Day on its campus at Dona Paula today, September 26, 2024. On the occasion, over 1000 students along with their teachers from 32 different schools visited the institute and interacted with staff and visited laboratories. The NIO also screened various films related to ocean sciences with the motto of creating awareness among the students about the topics.

As part of the events, a talk on 'Careers in Oceanography' was delivered for the students of standards XI and XII in the NIO auditorium. The students also visited an exhibition on marine resources and instruments put up by the institute on its campus as part of the celebration with an aim to create awareness about the scientific endeavours in ocean research being carried out by the institute.

The NIO will be organizing the CSIR Foundation Day Public Lecture by Prof. Dhirendra S. Katti, Director, IIT Goa, on the topic, "How are vaccines developed? My experience with the development of vaccines and nano vaccines for multi-drug resistant diarrhea," at the NIO Auditorium on Monday, 30th September 2024.

The CSIR, known for its cutting-edge research and development (R&D) knowledge base in diverse S&T areas, has a dynamic network of 37 national laboratories, 39 outreach centres, one innovation complex, and three units with a pan-India presence. The vision of CSIR is to

enhance the quality of life of the citizens of India through innovative and globally competitive science and technology R&D by developing sustainable solutions and capacity building to fulfil the dream of Atmanirbhar Bharat.

Published in:
Goemkarponn

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The Innovation Engine of India

विद्यार्थियों को विज्ञान से जोड़ने के लिए की गई पह

CSIR-CIMAP

28th September , 2024

सीमैप शोध केंद्र पुरड़ा में सीएसआईआर का 83वां स्थापना दिवस समारोह मनाया गया, जिसमे बागेश्वर जिले के 100 से अधिक विद्यार्थियों व औषधीय एवं सगंधीय पौधों से जुड़े 40 कृषकों ने प्रतिभाग किया। कार्यक्रम के दौरान सभी प्रतिभागियों को विज्ञान के क्षेत्र में उपलब्धियों से अवगत कराया गया। साथ ही विद्यार्थियों को प्रोत्साहित करने के लिए विज्ञान क्विज प्रतियोगता का आयोजन भी कराया गया, जिसमें सभी ने बढ़ चढ़ कर प्रतिभाग किया,। कार्यक्रम के दौरान औषधीय एवं सगंधीय पौधों की खेती कर रहे कृषकों को प्रोत्साहित करने के लिए पुरुष्कृत भी किया गया। कार्यक्रम की शुरुवात दीप प्रज्वलन के साथ किया गया। कार्यक्रम की अध्यक्षता सीमैप के तकनीकी अधिकारी पीएस वर्मा ने किया। उनके द्वारा सीएसआईआर के समाज के लिए देश में किए जा रहे अनुसंधान के बारे में विस्तार से बताया। साथ ही विज्ञान के विद्यार्थियों को भविष्य में सीएसआईआर से जुड़ कर वैज्ञानिक बन कर देश को विकसित करने में योगदान देने की अपील भी की। कार्यक्रम के दौरान अनुपम सिंह ने सीमैप पुरडा की विभिन्न गतिविधियों से सभी प्रतिभागियों से भी अवगत कराया। कार्यक्रम के समापन पर कृषकों को रोजमेरी के पौधे भी वितरित किए गए। इसके उपरांत सभी विद्यार्थियों एवं कृषकों को गुलाब जल बनाने एवं हर्बल चाय बनाने की तकनीकी को प्रदर्शन भी कराया गया। इस दौरान किशन राम, गिरीश चन्द्र, कृष्ण कुमार, प्रधानाचार्य इंटर कॉलेज लीती देवेन्द्र सिंह मर्तोलिया आदि लोग मौजूद रहे।

Published in:
Livehindustan

Council Scientific and Industrial Research (CSIR) - National Physical Laboratory (NPL) Celebrated 83rd CSIR Foundation Day

CSIR-NPL

27th September , 2024

Council Scientific and Industrial Research (CSIR)- National Physical Laboratory (NPL) celebrated 83rd CSIR Foundation Day at CSIR-NPL campus, New Delhi. The ceremony commenced with the lighting of the ceremonial lamp followed by a welcome address from Prof. Venu Gopal Achanta, Director CSIR-NPL, who greeted the dignitaries, NPL retirees, scientists, students, staff, and other invitees.

The highlight of the event was the CSIR foundation day lecture delivered by Dr. Sanjay Behari, Director of Sree Chitra Tirunal Institute of Medical Sciences & Technology, Trivandrum. He highlighted the role of metrology in the field of Biomedical device development and testing. He mentioned that there is growing interest in the biomedical device development within the country. He emphasized that the commercialization of the device is the measure of real success of any product development. He also highlighted the role of standard reference materials for the biomedical instrumentation.

The employees who had completed 25 years of service with CSIR and those who retired between 30th September, 2023 and 31st August, 2024 were recognised for their contributions to the organization.

The celebration concluded with a vote of thanks by Dr. Rajesh, overall co-ordinator of the foundation day celebration, who expressed gratitude to the dignitaries, participants, and attendees for making this event a grant success.

An Essay, Drawing, Painting and Quiz competition was organized for the students and children of staff to mark the CSIR foundation day celebration. The winners of the competition were felicitated by the Director, CSIR-NPL at a Prize distribution ceremony followed by a cultural programme. The staff, their family members, and students participated in the cultural programme held as part of the CSIR foundation day ceremony.

Published in:

Pib

सेवानिवृत वैज्ञानिकों और अधिकारियों का सम्मनित किया

CSIR 27th September , 2024

केन्द्रीय भवन अनुसंधान संस्थान में शुक्रवार को वैज्ञानिक और औद्योगिक अनुसंधान परिषद का 83वां स्थापना दिवस मनाया गया। रविन्द्रनाथ टैगोर सभागार में आयोजित कार्यक्रम का शुभारम्भ मुख्य अतिथि केरल राज्य आपदा प्रबंधन प्राधिकरण के सलाहकार शंकर ने किया। उन्होंने कहा कि सीएसआईआर विभिन्न क्षेत्रों की समस्याओं का विज्ञान और प्रौद्योगिकी के जरिए समाधान कर रहा है। सीबीआरआई के निदेशक प्रो. आर प्रदीप कुमार ने कहा कि युवा वैज्ञानिकों को अनुसंधान के अपने लक्ष्य तय करने होंगे। ताकि हम सामाजिक मुद्दों की पहचान करके कार्य कर सकें। इस अवसर पर सीएसआईआर में 25 वर्षों से अधिक की सेवा करने वाले कार्मिकों, सेवानिवृत वैज्ञानिकों और अधिकारियों को सम्मनित किया गया।

Published in:
Livehindustan

CSIR-NIO Celebrates 83rd Foundation Day with Open Day Event

CSIR-NIO

27th September , 2024

CSIR-NIO Celebrates 83rd Foundation Day with Open Day Event

Dona Paula, Goa – The Council of Scientific and Industrial Research-National Institute of Oceanography (CSIR-NIO) celebrated the 83rd Foundation Day of CSIR by hosting an Open Day on its campus.

Around 1000+ students and teachers from 32 schools attended the 83rd foundation day which included an Interactive sessions with scientists and laboratory visits the meeting also included the Screening of ocean science films to promote awareness the meeting also aimed at inspiring next-generation scientists

“Engaging with young minds is crucial for fostering curiosity and innovation,” said Dr. S. W. A. Naqvi, Director, CSIR-NIO.

Photo Caption: Students interacting with CSIR-NIO scientists during the Open Day event.

Published in:

Aizgoanews

Plants grow better, produce more fruits in soil treated with fish waste: NIO study

CSIR-NIO

27th September , 2024

The National Institute of Oceanography's (NIO) new research revealed that the soil treated with fish waste helped plants grow better, producing more flowers and fruits.

Marine ecologist Kirtani Palekar and her team treated fish waste with formic acid, which turned it into a liquid. This liquid was then dried and tested on three types of soil— regular, soil mixed with vermicompost, and soil with dried fish silage.

"We found that the plants in fish waste soil were healthier and fruits tastier than in the other two," Palekar told TOI. Organoleptic tests showed that fruits from these plants also had more nutrients, such as carbohydrates and proteins.

However, she said that the project is still being tested, and they need to find ways to reduce the fish smell that might attract rodents. "There is a possibility that rodents may be attracted to the crop due to fish smell. The next step in this study is to eliminate the odour of the fish," she said. On its 83rd Foundation Day on Sep 26, NIO revealed other research projects that could benefit agriculture.

PhD student Harshada Kankonkar introduced her work on bioplastics made from marine organisms. This type of plastic breaks down naturally and could be used for medical purposes, like stitches that dissolve in the body.

Another PhD scholar, Archit Mishra, is studying actinobacteria, known for producing bioactive compounds that can serve as natural pesticides and herbicides in agriculture. "Given the rise of antibiotic-resistant bacteria, there is a need for further research to discover new compounds that can combat these resistant strains," he said.

Published in:

Times of India

Students have a date with plants, its science

CSIR-NBRI

27th September , 2024

CSIR-Central Drug Research Institute (CDRI) and CSIR-National Botanical Research Institute (NBRI) opened their gates for school students during CSIR Foundation Day celebrations held on Friday. At CDRI, students learned all about drug discovery, while at NBRI they had curious questions related to plant sciences while making a visit to laboratories, the botanic garden, herbarium, exposition and library. As many as 750 students and faculty were invited from across the region, including Sitapur, Hardoi, Rae Bareli, Unnao, Kanpur and Lucknow.

"It was a unique opportunity for students to visit the CDRI laboratory and explore the world of cutting-edge research and innovation. Students actively participated in a variety of engaging and educational activities aimed at inspiring the next generation of scientists and researchers. Scientists and research scholars of CDRI organised a scientific exhibition highlighting the institute's major achievements and a video showcasing CSIR-CDRI's accomplishments was displayed in the auditorium," said CDRI spokesperson Sanjeev Yadav.
He said school students also participated in a range of competitions, including theme-based science projects, quizzes and extempore competitions, while they toured the laboratory and interacted with scientists.

Hands-on experiments and interactive sessions allowed the students to explore scientific concepts through fun and educational experiments, making science both accessible and exciting. Science Model Competition: Aspiring young scientists from various schools showcased their creativity and scientific expertise through innovative projects.

"More than 1,200 students from 20 schools and colleges of Lucknow and nearby districts visited our labs, plant houses at the botanic garden, and herbarium on the occasion. Scientists and experts of the institute interacted with the visitors/students and informed them about the different research and development activities and achievements of the institute," said NBRI spokesperson Rajat Rastogi.

Published in:
Times of India

CSIR-IIIM celebrates 83rd Foundation Day of CSIR

CSIR-IIIM

27th September , 2024

As part of CSIR 83rd Foundation Day celebrations which held at New Delhi, an open day was observed by the Indian Institute of Integrative Medicine, (IIIM), Jammu, in which more than 450 students and faculty members from 11 schools of Jammu region, including KV Gandhi Nagar, KV Chennani, GHSS Muthi, GHSS Miran Sahib, GBHS Bakshi Nagar, RRL High School, Presentation convent school, BVM Hiranagar, BVM Amphalla, APS Jammu Cantt, DAV Collegiate school, visited the institute. During the campus tour, students interacted with scientists and research scholars of the institute with great enthusiasm. They were also briefed about the ongoing R&D activities of the institute through demonstrations and made aware about the contributions and efforts being made towards Sustainable Development Goals and Viksit Bharat – 2047.

CSIR is a premier research and development body of the country, which has 37 research laboratories, 39 outreach centres, 3 innovation centres & 5 units which spread all across the country. It was established on 26th September, 1942, before independence, and Dr. Shanti Swarup Bhatnagar was the founder Director General. The event was organized under the patronage of Dr. Zabeer Ahmed, Director, CSIR-IIIM and guidance of Er. Abdul Rahim, Chief Scientist & Head, RMBD&IST. Dr. Asha Chaubey, Sr. Principal Scientist and Nodal scientist IIIM Jigyasa program coordinated the event along with other committee members Dr. Vikash Babu, Dr. Avishek Mahapa, Dr. Showkat Rasheed, Dr. Manu Khajuria and Dr. Farina Sultan.

Published in:

Brighterkashmir

Vice President of India inaugurates 83rd Foundation Day Celebrations of Council of Scientific and Industrial Research

CSIR

26th September , 2024

The Council of Scientific and Industrial Research (CSIR) proudly celebrated its 83rd Foundation Day today. While addressing the event, the Vice President of India, Shri Jagdeep Dhankhar said, "It is CSIR's Foundation Day, but it is integrally connected with the firm foundations of Bharat. You are firming up those foundations of the most vibrant and functional democracy on the planet. You are firming up the foundations of a nation that is on the rise as never before, and the rise is unstoppable".

The Vice President of India, Shri Dhankhar also termed CSIR as "Catalyst for Scientifically Imaginative Rashtra". He appealed for the establishment of Standard Operating Procedures (SOPs) to ensure that investments in human resources and institutions are directed towards authentic and impactful research.

The Union Minister of State (Independent Charge) for Science and Technology, Minister of State (Independent Charge) for Earth Sciences, MoS PMO, Department of Atomic Energy and Department of Space, MoS Personnel, Public Grievances and Pensions, Dr. Jitendra Singh, said, "CSIR plays a vital role in making India a global leader in science by promoting women in science, driving economic growth, and ensuring innovations benefit society. Through its initiatives, CSIR contributes to the Viksit Bharat @2027 vision by fostering indigenization."

The Union Minister Dr. Jitendra Singh further added that CSIR is a National Treasure for all of us and true changemaker of our time. He congratulated CSIR on its 83rd Foundation Day and in

making our country proud in various R&D breakthroughs like green hydrogen technology and agriculture-based start-ups that are changing the lives of farmers and common people. The lavender farming has transformed the landscape of Jammu and Kashmir, making it a hub for Agri-based entrepreneurship. The Director General of CSIR, Dr. N. Kalaiselvi in her welcome address emphasized on the contributions and commitments of CSIR for the vision of making India a developed nation in 2047. She informed that CSIR has organized a leadership conclave to take up recommendations of the visionary leaders and make it our roadmap.

The Principal Scientific Adviser to the Government of India Prof. Ajay Kumar Sood quoted a valuable thought of India's former President late Dr. A.P.J. Abdul Kalam, "Economic Development is powered by competitiveness. The Competitiveness is powered by knowledge. Knowledge is powered by technology and innovation". He further added that technology and innovation are powered by fundamental science. CSIR Foundation Day Lecture was delivered by Dr. K. Radhakrishnan, former Chairman, ISRO. He spoke on the topic of "Team excellence and Indian space odyssey". He explained how Indian space research grown with team excellence and perseverance for achieving success in all space missions of the country.

A book titled "Innovation Trailblazers: The leadership legacies of CSIR" was released at the 83rd Foundation Day. The winners of CSIR Energy saving campaign, were felicitated in which CSIR-CGRI secured first prize, CSIR-CECRI secured second prize while CSIR-CSMCRI secured third prize.

This year's celebration was particularly special, as the Vice President of India had inaugurated the "Thematic Exhibition on CSIR for Viksit Bharat @2027" at the National Agricultural Science Complex (NASC) in New Delhi. In the Thematic Exhibition on CSIR for Viksit Bharat @2027, several CSIR laboratories showcased their technologies on various themes aligned with the #OneWeekOneTheme Campaign. Dr. G. Mahesh, Chief Scientist and Coordinator of the CSIR Foundation Day Celebrations 2024, proposed the vote of thanks.

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Pib

"CSIR a National Treasure for All of Us - The True Changemaker of Our Time" said Union Minister Dr. Jitendra Singh

CSIR

26th September , 2024

"CSIR is a national treasure for all of us and for the scientist fraternity, who are the true changemaker of our time" said Union Minister Dr. Jitendra Singh at the 83rd Foundation Day ceremony of Council of Scientific and Industrial Research (CSIR), here today at NASC Complex, Pusa. Addressing the ceremony, Union Minister of State (Independent Charge) for Science and Technology, Minister of State (Independent Charge) for Earth Sciences, MoS PMO, Department of Atomic Energy and Department of Space, MoS Personnel, Public Grievances and Pensions, Dr. Jitendra Singh congratulated CSIR, in making India, a global leader in sustainable development by fostering breakthroughs such as green hydrogen technology for clean energy or creation of Agri-based startups.

CSIR through its support to MSMEs, startups and by promoting women in science, is not only driving the economic growth of the nation but is also ensuring that innovation benefits society at large, reiterated Dr Jitendra Singh.

On extending his deepest gratitude to the Vice President of India Jagdeep Dhankhar, the chief guest at the ceremony, Dr Jitendra Singh applauded the leadership and unwavering support of the Vice President of India for the scientific and technical advancements, which is crucial for India's journey towards a developed and a self-reliant future. The presence of Vice President of India underscores, the importance of nurturing innovation and scientific enquiry in building a strong ambition, said the Minister. The Prime Minister Narendra Modi's focus on Atmanirbhar Bharat, said Dr Jitendra Singh, has given CSIR the impetus to innovate and lead in areas critical to

national growth, including health care, energy, manufacturing, agriculture, etc. With the continued support of the Prime Minister, CSIR will continue to play a central role in India's growth story. “Viksit Bharat 2047 Vision will be achieved with the Institutions like CSIR leading the change in indigenization, strategic technologies and in sustainability”, added the Minister.

Dr Jitendra Singh also acknowledged Dr. K. Radhakrishnan, the former ISRO chairman, for his leadership in India's space program, particularly during the Mars Orbiter Mission, which has been an inspiration for scientists’ fraternity and for every Indian alike.

As part of its 83rd Foundation Day celebration, CSIR hosted a unique and first of its kind leadership conclave where former Director Generals of CSIR had come together to share their vision and suggestions on what could be the CSIR's contribution towards Viksit Bharat 2047. Highlighting the importance of the conclave, the Minister said that this gives an invaluable opportunity to gain insights from the stalwarts who have led CSIR through decades of scientific evolution and progress.

Underscoring the transformative impact of CSIR in the recent years, Dr. Jitendra Singh categorically mentioned the Purple Revolution in Jammu and Kashmir. Through the Aroma Mission, CSIR has catalyzed the cultivation of lavender in that region, which has given rise to a thriving ecosystem of Agri-startups. This initiative has not only empowered farmers by creating new sources of livelihood but has also brought prosperity to the region, said the Minister. “The lavender farming revolution has transformed the landscape of new Jammu and Kashmir, making it a hub for aromatic crops and Agri-based entrepreneurship”, lauded the Minister.

Additionally, the CSIR thematic exhibition for Viksit Bharat, inaugurated by the Vice President of India, showcased how CSIR’s contribution across sectors are aligning with the National Agenda for India by 2047.

Published in:
Pib

83rd CSIR Foundation Day at NML Jamshedpur: Experts focus on future of mobility

CSIR-NML

26th September , 2024

Council of Scientific and Industrial Research (CSIR) – National Metallurgical Laboratory (NML) marked its 83rd Foundation Day with a grand celebration at the NML Auditorium. The event was graced by distinguished guests, including Chief Guest Dr. Shankar Venugopal, Vice President of Mahindra Research Valley, Chennai; Dr. Sandip Ghosh Chowdhury, Director of CSIR-NML; and Aditya Mainak, Administrative Officer of CSIR-NML. The ceremony commenced with the lighting of the ceremonial lamp, followed by a welcome address from Dr. Chowdhury, who greeted the dignitaries, NML retirees, scientists, and other invitees.

The highlight of the event was the CSIR Foundation Day lecture delivered by Dr. Shankar Venugopal, who spoke on "The New Materials that are Shaping the Future of Mobility." In his insightful talk, Dr. Venugopal emphasized the importance of introducing cutting-edge technologies that are accessible to Indian farmers, aligning with Mahindra's mission to make technology affordable and impactful. He also discussed the exciting potential of Deep Sea Mining, which contains critical materials like manganese (Mn), cobalt (Co), nickel (Ni), and neodymium (Nd), essential for the electric vehicle (EV) industry.

Dr. Venugopal touched upon the significance of India's lithium reserves, estimated at 5.9 million tons, and highlighted the 90% price drop in lithium-ion batteries over the past decade, underscoring the rapid transformation in battery technology. He also noted the challenges India faces in securing critical metals, such as lithium and cobalt, which are vital for producing EV batteries. As a solution, he urged a focus on technology development for recycling these critical

materials from end-of-life EV batteries to ensure sustainability in the long run. In keeping with the tradition of celebrating excellence, the event also featured awards for various competitions and achievements. Dr. Venugopal presented awards for the essay and quiz competitions, held in honor of the Foundation Day, along with meritorious student awards for the wards of CSIR-NML employees.

In recognition of academic excellence, a one-time cash award of Rs. 3,000 was given to students who secured 90% or more in at least three science subjects in the Senior Secondary Examination (12th class) of 2024. This year's recipients were:

Employees who had completed 25 years of service with CSIR were honored for their dedication, while those who retired between September 30, 2023, and August 31, 2024, were also recognized for their contributions to the organization.

The celebration concluded with a vote of thanks by Aditya Mainak, Administrative Officer of CSIR-NML, who expressed gratitude to the dignitaries, participants, and attendees for making the event a success. The 83rd Foundation Day of CSIR-NML highlighted the continued commitment of the laboratory to scientific and industrial innovation, along with its contributions to the development of future technologies, especially in the mobility and materials sectors.

Published in:
Avenuemail

CCMB opens its gates to curious minds on Open Day

CSIR-CCMB

26th September , 2024

Every year curious students and common people wait for the Centre for Cellular and Molecular Biology (CCMB) to open its gates for them for one day to explore its state-of-the-art laboratories and engage in scientific discussions with the scientists fraternity at the premier research organization in frontier areas of modern biology.

The CCMB held its Open Day on Thursday, September 26, which marks the Foundation Day of Council of Scientific and Industrial Research (CSIR). The Open Day saw an active participation from more than 7,000 students from various educational institutions in Hyderabad, Rangareddy and Medchal-Malkajgiri region. CCMB conducts two Open Days every year, one on 26 September and another on 28 February.

Big old electron microscope steals the show

It was a once-in-a-lifetime opportunity for many students to visit the hub of research activities. The students were seen busy exploring the advanced machinery such as big old electron microscopes and taking notes from the information provided on posters in the viewing areas. The visiting students were intrigued by the guided tours to the labs, model exhibits, posters, conservation genetics, wildlife forensics and activities at the research centre. According to the CCMB, the main objective behind the 'Open Day' concept is to ignite young brains. The visit also helps the students understand the opportunities available in the fields of pure sciences and research.

Published in:

Hyderabadmail

CSIR-NPL, Galgotias University Collaborate to Study Delhi-NCR Pollution Using Balloon and Drone Technology

CSIR-NPL, NAL

26th September , 2024

In a cutting-edge initiative, the CSIR-National Physical Laboratory (NPL) has embarked on a crucial study to understand pollution episodes in Delhi-NCR. The study, conducted in collaboration with leading institutions such as the Tata Institute of Fundamental Research (TIFR), the North Eastern Space Applications Centre (NESAC), and the CSIR-National Aerospace Laboratories (NAL), aims to provide insights into the formation of air pollution and haze over the region's atmospheric boundary layer.

The experiment will involve in-situ observations of particulate matter and meteorological parameters at varying altitudes using a tethered balloon (Kytoon) and a drone platform. These observations will take place during both low-pollution conditions, set as a reference in late September, and high-pollution conditions expected in mid-October. The study's goal is to better understand the physicochemical characteristics of particles and their variation with altitude, which could help pinpoint the mechanisms behind haze formation in Delhi-NCR's atmosphere. To achieve this, the researchers will conduct concurrent experiments across three strategic locations: Maharshi Dayanand University in Rohtak, Haryana; Galgotias University in Greater Noida, Uttar Pradesh; and the CSIR-NPL campus in New Delhi.

Planned Experiment Sites:

Maharshi Dayanand University (Rohtak, Haryana)

Galgotias University (Greater Noida, Uttar Pradesh)

CSIR-NPL (New Delhi)

Experiment Time Plan:

25-30 September 2024: Background atmospheric conditions will be observed.
18-28 October 2024: Measurements during pollution formation conditions.
The tethered balloon will carry an array of instruments to measure particulate matter and volatile organic compounds, as well as microbial culture plates to monitor biological particulates. The balloon's payload will include:

Low-volume particulate matter sampler
Volatile organic compounds sampler
Microbial culture plates
Radiosonde for meteorological data

These experiments are expected to provide valuable data to reduce the uncertainties in regional climate change assessments, assist in developing remedial strategies to reduce haze episodes, and shed light on the health impacts of pollution.

This comprehensive study aims to deepen our understanding of Delhi-NCR's persistent air quality issues and contribute to more effective pollution control measures in the future.

Published in:
Tennews

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The Innovation Engine of India

CSIR Foundation Day Celebrations held in Chennai

CSIR-SERC, CECRI, CEERI, CSIO, NEERI, NML

26th September , 2024







The foundation day of Council of Scientific & Industrial Research (CSIR), New Delhi, an autonomous organization under Ministry of Science & Technology, Govt. of India, was celebrated with great enthusiasm on 26 September 2024, at the CSIR Campus in Taramani,

Chennai by CSIR-Structural Engineering Research Centre (CSIR-SERC) and CSIR Madras Complex (CMC). As a part of the foundation day celebrations Open Day was observed at CSIR Campus, Taramani, Chennai, and at TTRS (Tower Testing and Research Station) Campus, Tirusulam, Chennai, CSIR-Structural Engineering Research Centre (CSIR-SERC) and Regional Units of CSIR-CECRI, CSIR-CEERI, CSIR-CSIO, CSIR-NEERI and CSIR-NML.

All laboratories in the CSIR Campus and TTRS were kept open for the general public between 9.30 am and 3:00 pm. Elaborate arrangements were made to receive the visitors. State-of-the-art facilities, Technologies and products were showcased and demonstrated for the benefit of the visitors. More than 9200 people including school and college students, teachers, professionals from the industry, entrepreneurs and the general public visited the campus with great enthusiasm. They had a first-hand glimpse of multifarious and multi-discipline R&D programmes currently going on in the laboratories and the technologies developed. The visitors showed keen interest and passionately interacted with the scientific staff.

Published in:

Pib

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भारत का नवाचार इंजन
The Innovation Engine of India

छात्र-छात्राएं अनुसंधान और नवाचार से रूबरू हुईं

CSIR-CDRI 26th September , 2024

कार्यालय संवाददाता सीएसआईआर केंद्रीय औषधि अनुसंधान संस्थान (सीडीआरआई) का गुरुवार को 83वां स्थापना दिवस मनाया गया। कई स्कूल एवं कॉलेज के छात्रों ने संस्थान की प्रयोगशाला का दौरा कर आधुनिक अनुसंधान और नवाचार के बारे में जानकारी हासिल की। विज्ञान मॉडल प्रतियोगिता में छात्रों ने रचनात्मकता और वैज्ञानिक ज्ञान का प्रदर्शन करते हुए नवाचारी परियोजनाओं को प्रस्तुत किया। केन्द्रीय विद्यालय आरडीएसओ के प्रखर विश्वास एवं देवांश ने प्रथम पुरस्कार जीता। जवाहर नवोदय विद्यालय सीतापुर की मुस्कान एवं अक्षरा को दूसरा और एमिटी इंटरनेशनल स्कूल के लाविष्य बनर्जी, पीयूष शर्मा, अभिराज श्रीवास्तव एवं दीत्या बिष्ट को तीसरा स्थान मिला। जवाहर नवोदय विद्यालय एवं केन्द्रीय विद्यालय एएमसी ने सांत्वना पुरुस्कार जीता। क्विज़ प्रतियोगिता में केन्द्रीय विद्यालय एएमसी के दीपक यादव व वेदांश सिंह को पहला, केन्द्रीय विद्यालय सीआरपीएफ़ बिजनौर की योगिता तिवारी एवं आयुष तिवारी को दूसरा एवं जवाहर नवोदय विद्यालय, पिपरसंडके अमन मिश्रा एवं गौरव राजपूत को तीसरा स्थान मिला। तात्कालिक भाषण प्रतियोगिता में केन्द्रीय विद्यालय सीआरपीएफ़ बिजनौर की शुभांगी त्रिवेदी को प्रथम, केन्द्रीय विद्यालय एएमसी की दीपमाला यादव को दूसरा और जवाहर नवोदय विद्यालय सीतापुर की तन्वी पटेल को तीसरा स्थान मिला। कार्यक्रम के संयोजक डॉ. प्रभात रंजन मिश्रा और डॉ. पीआर मिश्रा ने छात्रों को विज्ञान में करियर बनाने के लिये प्रोत्साहित किया। समारोह में 18 स्कूलों के 750 छात्रों एवं शिक्षकों ने भाग लिया।

Published in:
Livehindustan

CSIR-NIScPR signs MoU with Gurugram University to serve society through science

CSIR-NIScPR 25th September , 2024

CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR) has signed an MoU with the Gurugram University at the NIScPR's Vigyan Sanchar Bhawan, Pusa Campus here.

This MoU will open up new windows for both the institutions in the service of society. The key areas of this memorandum of understanding are science communication, STI policy research, traditional knowledge and many more. On the occasion of this MoU signing yesterday, the Director of CSIR-NIScPR and Vice Chancellor of Gurugram University shared their views about the significance and need of this MoU.

Rajesh Kumar Singh Roushan, Controller of Administration, CSIR-NIScPR and Dr. Rajiv Kumar, Registrar, Gurugram University signed and exchanged the MoU. Dr. Sarala Balachandran, Chairperson, Department of Chemistry; Dr. Dwivedi, Head, Nursing; and Dr. Rakesh Yogi, Chairperson, Media Studies, Gurugram University also joined the programme.

CSIR-NIScPR has a seven decades legacy of science communication and science policy research.

On November 13-14, CSIR-NIScPR in collaboration with Gurugram University is going to organise an International Conference on Communication and Dissemination of Traditional Knowledge (CDTK-2024). Last date for early bird registration for CDTK-2024 is September 30.

Published in:
Thestatesman

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