CSIR IN MEDIA

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CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

NEWS BULLETIN
01 TO 05 FEBRUARY 2025

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

38th edition of the India International Leather Fair (IILF) 2025

CSIR-CLRI

05th February , 2025

CSIR-CLRI actively participated in the 38th edition of the India International Leather Fair (IILF) 2025, held from February 1 to 3, 2025, at the Chennai Trade Centre. At the event, CSIR-CLRI showcased its latest technologies aimed at enhancing the sustainability of the leather sector. These innovations covered various areas, including leather processing, leather chemicals, leather products, and waste management solutions, with a strong emphasis on waste-to-wealth initiatives. The institute presented its design sequence, "Magic Moments Unite with Progressive Modernity to Create Tomorrow's Vibes," which highlighted a fusion of traditional leather craftsmanship with contemporary design elements such as asymmetric cuts, metallic zippers, and laser-cut patterns inspired by digital aesthetics. Additionally, CSIR-CLRI participated in the Designer Fair, unveiling its Spring-Summer 2026 collection.

As part of IILF 2025, CSIR-CLRI also organized the Leather Research Industry Government (LERIG) Conclave, focusing on the dissemination of specialty chemicals, sustainability practices, and carbon footprint assessment. Smt. Supriya Sahu, IAS, Additional Chief Secretary to Government Health & Family Welfare Department, Government of Tamil Nadu, Shri. Vimal Anand, IRS, Joint Secretary, Department of Commerce Ministry of Commerce & Industry, Government of India and other leather industry stakeholders visited CSIR-CLRI Pavilion on 1.2.2025.

Shri E Srinivas, Joint secretary, DPIIT, Ms Sabiha Rizvi Director, Leather Section, DPIIT and Shri R Selvam IAS, ED CLE had been to CSIR-CLRI Stall, Dr. K.J Sreeram, Director CSIR-

CLRI interacted with the delegation explained various research activities, services and technologies of the Institute.

This year too, the CSIR-CLRI stall witnessed a high footfall, reflecting strong interest and engagement from industry stakeholders.

CSIR-CLRI remains committed to being your trusted technology platform and education hub, continually driving innovation and excellence in the leather sector.

Published in:
Pib

Training on 'Synthesis of Key Intermediates & APIs' concludes at IIIM

CSIR-IIIM

05th February , 2025

The 3-day skill development training programme on "Hands-on Training on Synthesis of Key Intermediates and Active Pharmaceutical Ingredients (APIs)" concluded today at CSIR-Indian Institute of Integrative Medicine, Jammu. The training provided participants an in-depth knowledge and hands-on experience in advanced pharmaceutical synthesis techniques, contributing to skill enhancement and professional development in the pharmaceutical sector. In the workshop, 25 brilliant minds drawn from across the country have got the opportunity to learn various things.

During the three-day programme, 25 participants engaged in a comprehensive module that seamlessly combined expert lectures and hands-on lab sessions. The sessions were led by distinguished faculties, including Dr Amol Gade, Scientist, NPMC Division; Dr Prasoon Gupta; Dr Ravindra S Phatake, Scientist, and Dr Showkat Rashid, Sr Scientist, along with other experts from the Natural Products & Medicinal Chemistry (NPMC) Division. This carefully curated approach ensured participants gained both theoretical knowledge and practical expertise in pharmaceutical synthesis.

The training programme concluded with a valedictory ceremony, wherein Dr Zabeer Ahmed, Director, CSIR-IIIM, Jammu, facilitated the participants with certificates for their successful completion of the workshop.

The event was graced by Er Abdul Rahim, Chief Scientist & Head, RMBD&IST; Dr Naveed

Qazi, Head, Natural Products Medicinal Chemistry, and Dr Parvinder Pal Singh, Principal Scientist. They emphasized the importance of such initiatives in equipping professionals with cutting-edge skills to meet industry demands.

The proceedings of the event were conducted by Dr Mohd Asrar Khan and Dr Love Sharma, while a formal vote of thanks was presented by Dr Nasir-Ul-Rashid, Senior Scientist.

Published in:
Dailyexcelsior

Vitafoods India 2025 Commences With Grand Inauguration At Jio World Convention Centre In Mumbai

CSIR

05th February , 2025

The third edition of Vitafoods India commenced today at the Jio World Convention Center, bringing together leaders, influencers, and decision-makers from the nutraceutical, functional food, and dietary supplement industries. The event features 136 domestic and 23 international exhibitors, showcasing a dynamic representation of the sector.

The inauguration ceremony included keynote addresses from prominent figures in the industry. Manoj Nesari, Adviser for Ayurveda,Ministry of Ayurveda, emphasized the importance of integrating traditional knowledge with modern nutraceutical practices.

Dr. Subrata Gupta, Secretary of the Ministry of Food Processing Industries, highlighted the government's commitment to supporting the sector's growth through favorable policies and infrastructure development.

Meenakshi Singh, Chief Scientist in Technology Management at the Council of Scientific and Industrial Research (CSIR), discussed recent advancements in nutraceutical research and the role of innovation in driving the industry forward.

Natasha Berrow, Executive Vice President of Food at Informa Markets, expressed enthusiasm about the event's role in fostering global collaborations, stating, "Vitafoods India serves as a pivotal platform for connecting international and local stakeholders, driving innovation and growth in the nutraceutical industry."

Yogesh Mudras, Managing Director of Informa Markets in India, remarked, "The overwhelming participation in this year's event underscores the rapid expansion of India's nutraceutical market, projected to reach USD 18 billion by 2025. We are proud to facilitate this convergence of industry leaders and innovators."

The first day saw a significant turnout of professionals, including distributors, procurement managers, product development experts, regulatory affairs professionals, and R&D specialists, all eager to explore the latest products and trends shaping the future of nutraceuticals.

The event also featured several unique zones, including the Tasting Zone, Global Trends Zone and Innovation Zone, which collectively highlighted the latest advancements and emerging trends in the sector.

Vitafoods India 2025 will continue until 7th February, offering a comprehensive platform for business networking, knowledge sharing, and exploring the latest innovations in the nutraceutical sector.

Published in:
Freepressjournal

New heritage developments underway in Lucknow with 'Andaaz-e-Awadh' project | Details here

CSIR-NBRI 05th February , 2025

A series of new initiatives and beautification projects are currently underway along Lucknow's heritage stretch, spanning from the Qaiserbagh intersection to Hussainabad. The project, titled 'Andaaz-e-Awadh,' has been entrusted to a dedicated committee of officials responsible for ensuring timely completion of the designated initiatives.

LDA Chairperson and Lucknow Divisional Commissioner Roshan Jacob has appointed a six-member panel to oversee the project. The panel includes Dr. Vandana Sehgal, Dean of the Art and Planning Department at Dr. APJ Abdul Kalam Technical University; Conservation Architect Antara Sharma; retired IAS officer Zohra Chatterjee; along with Meera Ali, Shikha Jain and Ravi Bhatt.

What are the key initiatives under project Andaaz-e-Awadh?
Project Andaaz-e-Awadh focuses on developing new tourism-worthy spots within the heritage stretch, along with the beautification of existing parks, intersections and roads in the heritage zone.

The initiative aims to enhance the city's aesthetic appeal, promote it as a prime tourism destination in the state, and offer a richer glimpse into its culture and heritage. Key developments under the Andaaz-e-Awadh project include: A brand-new food court has recently opened in the Hussainabad area, beside the Clock Tower. It features five renowned eateries from across the city, with more to be added in the coming days.

A fragrance park is currently under development, opposite the historic Hussainabad Clock Tower. This park will feature vibrant, flower-bearing plants and lush green spaces for public enjoyment. The CSIR-National Botanical Research Institute is overseeing the plantation of saplings, and the park is expected to open in the coming months.

As part of the ongoing beautification project, restoration work is also underway at the Qaiserbagh intersection. The initiative includes landscaping enhancements and footpath improvements along the route.

Another significant development in Hussainabad is the construction of a dedicated museum block. This museum will offer insights into the state's rich history through an interactive tourist facilitation center, complete with LED panels showcasing key historical narratives.

Additionally, the committee is actively working on the conservation and restoration of existing landmarks, including Begum Hazrat Mahal Park (now integrated with Globe Park), Butler Palace, and Butler Lake.

Published in:
Knocksense

NCL collaborates with IAF to address critical issue of IAF's MiG-29 ops

CSIR-NCL 05th February , 2025

Pune-based National Chemical Laboratory (NCL) and the Indian Air Force have resolved a critical problem affecting the onboard oxygen generation system of MiG-29 fighter aircraft.

The NCL team led by Vijay Bokade, Head, Catalysis and Inorganic Chemistry Division, rejuvenated the zeolite material used in the Oxygen Generation System (OBOGS) units which a crucial for maintaining a continuous oxygen supply to pilots, particularly during high altitude operations.

Technically, the effectiveness of zeolite vanes due to moisture exposure, and leads to sub-optimal oxygen generation thus risking the aircraft's performance.

To address this diminishing effect, the NCL team developed an optimised rejuvenation process, which was tested and has been successfully deployed on multiple MiG-29 aircraft.

Since April 2024, NCL has been operating an oxygen rejuvenation facility at the Indian Air Force's 11 Base Repair Depot (BRD). NCL has also developed indigenous zeolite materials for MiG-29 aircraft.

Published in:
Indianexpress

Palampur institute to host Shanti Swarup tourney

CSIR-CCMB, CDRI, CECRI, CEERI, CGCRI, IICT, IIIM, IIP, IMTECH, NAL, NBRI, NCL, NGRI, NIO, NIScPR, NPL

05th February , 2025

The CSIR-Institute of Himalayan Bioresource Technology, (IHBT), Palampur, will host the 52nd Shanti Swarup Bhatnagar Memorial Tournament (SSBMT) from February 7 to 10. This tournament is a prestigious event of the institute's sports promotion board, regularly organised in various CSIR laboratories at specific intervals. Outdoor competitions in volleyball and cricket will be organised during this SSBMT (outdoor) final competition. Teams from 16 CSIR laboratories across India, who have qualified the zonal events, will participate in the tournament. These are CSIR-CCMB, Hyderabad; CSIR-CDRI, Lucknow; CSIR-CECRI, Karaikudi; CSIR-CEERI, Pilani; CSIR-CGCRI, Kolkata; CSIR-IICT, Hyderabad; CSIR-IIIM, Jammu; CSIR-IIP, Dehradun; CSIR-IMTECH, Chandigarh; CSIR-NAL, Bengaluru; CSIR-NBRI, Lucknow; CSIR-NCL, Pune; CSIR-NGRI, Hyderabad; CSIR-NIO, Goa; CSIR-NIScPR, New Delhi; CSIR-NPL, New Delhi. A women cricket match will also be hosted.

Dr Sudesh Kumar Yadav, director of CSIR-IHBT, said, "All preparations are complete and I am eagerly looking forward to welcome the participants. I am confident that they will participate with true sportsmanship and enjoy every moment."

Shanti Swarup Bhatnagar was one of the brightest luminaries of science in India and CSIR's first director (now director general). CSIR initiated the Shanti Swarup Bhatnagar Memorial Tournament to honour his legacy. The tournament serves as a platform to foster unity within the CSIR family, promote team spirit and leadership skills. Initially, the tournament was organised by the CSIR headquarters. Over time, it became a regular pan-India sports event, hosted by different CSIR laboratories every two years, inspiring participation within the scientific community.

Published in:
Tribuneindia

CFTRI announces food hackathon for aspiring student entrepreneurs

CSIR-CFTRI 04th February , 2025

BioNEST Incubation Centre at CSIR's Central Food Technological Research Institute (CFTRI) and Siddaganga Incubation Foundation will be jointly organising a food hackathon to give an opportunity to students passionate about entrepreneurship and innovation in food and agriculture.

The hackathon invites students to apply their creativity, problem-solving abilities, and technical expertise to real-world challenges in food technology, food science and nutrition, agricultural technology, and post-harvest technology. Inter-disciplinary approaches such as AI-based or app-based solutions are also welcome, provided they align with the core themes of food and agriculture.

The shortlisted candidates will get an opportunity to participate in exclusive workshops by industry experts, one-on-one mentorship from CFTRI scientists, free access to pre-incubation programmes, participation certificates and exciting cash prizes for winners.

The hackathon is open to all students from diverse backgrounds. Teams can consist of a maximum of two members, and participation is completely free.

The last date to submit applications is February 12.

For details, interested persons can write to managerbionest@cftri.res.in or call 0821-2412608. For more information, visit their website.

Published in:
The Hindu

Hands-on training on 'Synthesis of Key Intermediates and Active Pharmaceutical Ingredients (APIs)' commences at IIIM

CSIR-IIIM

04th February , 2025

CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, inaugurated its three-day Skill Development Training Programme focused on "Hands-on Training on Synthesis of Key Intermediates and Active Pharmaceutical Ingredients (APIs)" on Monday at its campus in Jammu. Twenty-five participants from different parts of the country have been selected for this hands-on Training. The event was inaugurated by Dr Zabeer Ahmed, Director CSIR-IIIM, Jammu. In his address, Dr Ahmed emphasized the importance of capacity building in the pharmaceutical sector to bridge the skill gap and support India's vision of becoming a global hub for high-quality APIs. He further highlighted how such initiatives align with the Sustainable Development Goals (SDGs) and contribute to the nation's mission for a 'Viksit Bharat'. Dr Ahmed further said that Hands-on training in the synthesis of key intermediates and Active Pharmaceutical Ingredients (APIs) equips participants with practical skills in designing and executing multi-step organic reactions, purification techniques and analytical validation.

He further advised participants to gain proficiency in optimizing reaction conditions, scaling up processes, and adhering to safety and regulatory standards. Dr Ahmed said that India

despite having the third-largest pharmaceutical industry by volume in the world and being the largest manufacturer of generic medicines globally, India is heavily dependent on China for imports of raw materials, Key Starting Materials (KSMs), and active pharmaceutical ingredients (APIs), and such programs bridge theoretical knowledge with real-world pharmaceutical manufacturing, preparing professionals to contribute effectively to drug development and quality assurance in the industry. The day began with a lecture on "Next-Gen API Production – Emerging Technologies & Strategies", delivered by Dr. Amol Gade, Scientist, NPMC Division. This session offered an insightful overview of innovative technologies and strategic approaches driving next-generation API production.

The second lecture, led by Dr. Prasoon Gupta, Sr. Principal Scientist, NPMC Division, CSIR-IIIM, focused on Lab Safety. Dr. Gupta highlighted the importance of adhering to best practices for maintaining a secure and efficient working environment during pharmaceutical synthesis. The afternoon practical sessions provided participants with hands-on experience in state-of-the-art laboratory facilities and explored different synthesis techniques. These focused lab sessions offered participants the opportunity to gain practical knowledge of API synthesis techniques, essential for research and development in the pharmaceutical industry.

Several scientists, technologists, and researchers attended the inaugural program. Prominent among those present were Dr Qazi Naveed, Head NPMC Division, Dr PP Singh, Senior Principal Scientist, Dr. Nasir Ul Rasheed, Nodal Scientist, Skill Development. The welcome address was given by Dr Qazi Naveed, while Dr PP Singh gave insights into the Three-Day Hands-on Training program, and a Formal vote of Thanks was presented by Dr Nasir Ul Rasheed. Norein Sikander, PhD Scholar, conducted the proceedings of the inaugural session.

Published in:
Statetimes

Indian Air Force and CSIR-NCL Develop Advanced Oxygen Rejuvenation System for MiG-29

CSIR-NCL

03rd February , 2025

The CSIR-National Chemical Laboratory (CSIR-NCL), Pune, has successfully collaborated with the Indian Air Force's 11 Base Repair Depot (BRD) to resolve a critical issue in the On-Board Oxygen Generation System (OBOGS) of MiG-29 fighter jets. This initiative represents a major step toward enhancing operational efficiency and pilot safety during high-altitude missions, furthering India's commitment to self-reliance in defence technology under the 'Atmanirbhar Bharat Abhiyan.'

The collaboration was initiated in June 2023 at the request of 11 BRD, under the leadership of Dr. Ashish Lele, Director, CSIR-NCL. The project was headed by Dr. Vijay Bokade, Head of the Catalysis and Inorganic Chemistry Division, CSIR-NCL, with support from Dr. Prashant Niphadkar, Dr. Nilesh Mali, and Dr. Sachin Nandanwar.

Their primary objective was to rejuvenate the zeolite material used in OBOGS, a key component that ensures a steady oxygen supply to pilots during high-altitude operations.

Zeolite, over time, loses its efficiency due to moisture absorption, leading to suboptimal oxygen generation. To address this, CSIR-NCL developed an optimized rejuvenation process, significantly enhancing the oxygen output of the OBOGS units. The process was then scaled up, allowing multiple MiG-29 aircraft to be equipped with refurbished OBOGS units. These units have since accumulated significant flight hours with no operational issues, marking a milestone in indigenous defence solutions.

In April 2024, CSIR-NCL facilitated the establishment of a zeolite rejuvenation facility at 11 BRD, ensuring self-sufficiency in maintenance and sustainability of OBOGS units within the Indian Air Force. Additionally, CSIR-NCL has developed indigenous zeolite materials, which are currently undergoing ground trials in collaboration with the Center for Military Airworthiness and Certification (CEMILAC).

The successful qualification and certification of these indigenized zeolites will mark a major achievement in India's defence technology ecosystem, further supporting the nation's drive toward self-sufficiency. This initiative aligns with the Honourable Prime Minister's vision for Atmanirbhar Bharat, reinforcing the commitment of CSIR-NCL and the Indian Air Force to advancing technological innovation in military aviation.

Published in:
Thebridgechronicle

Green mining operation need of sustained future mining

CSIR-CIMFR 03rd February , 2025

The two day National Seminar on "Technological Advancements for Sustainable Mining and Exploration" (TASME-2025) organized jointly by the MGMI Dhanbad Chapter and CSIR-CIMFR has recomended for Greening of mining operation by creating mining standard and certification, aligning

mining operation with Environmental, Sustainable and Governance (ESG) goals besides strengthening monitoring and evaluation mechanism. The event attracted experts, industry leaders, and researchers, to discuss the future of sustainable mining.

Prof. Arvind Kumar Mishra, Chairman, TASME-2025 and Director, CSIR-CIMFR giving details of the recommendations said that Coal production from deep seated underground mines need to be emphasised

through research and development initiatives and mechanisation.Besdies, R and D initiatives too is need of hour for development of echnologies for safe, sustainable, smart, responsible and green mining. He said that Remote sensing techniques may be beneficial for deciding the restoration modes of post

mining land. Time series landsat satellite data may be helpful in analyzing the vegetation and achieving regrowth of the vegetation. Selection of suitable tree species based on scientific study is needed.

Use of AI/ML technique with cloud data for designing drilling and blasting subsystem parameter for obtaining the optimal blast results to improve production and productivity. However, human intervention is important in designing the blasts for the sensitive cases, is one of the recommendation of the workshop besides several others.

Besides, top functioniries of coal mining industry several other indudtries and academic instititions took part in this seminar took part in this seminar that has also recommended for Development of low carbon generating mining equipment, Sustainable dust suppression techniques to control dust in mining operation using water

spraying, development of suitable dust suppressants, Carbon footprints of coal and other mineral mines need to be worked out and different

carbon mitigation measures need to be identified and methods needs to be developed.

Published in:
Dailypioneer

Scientists from NIO, BHU trawl 29,000 years' data, find ocean currents' link to climate

CSIR-NIO 03rd February , 2025

A team of scientists has made an exciting discovery about the earth's oceans. They studied ocean waters in the eastern Arabian Sea and determined how the ocean currents have changed over the past 29,000 years. This research could help scientists understand how oceans influenced the climate in the past and how climate change might change ocean currents in the future.

The study was done by scientists from Council of Scientific & Industrial Research-National Institute of Oceanography (CSIR-NIO), Goa, Banaras Hindu University (BHU), Varanasi, Goa University, and Academy of Scientific and Innovative Research, Ghaziabad.

The scientists focused on the isotope composition of a special element called neodymium, which is found in rocks, ocean water, and sediments on the ocean floor. When ocean water moves, it carries a specific neodymium isotope signature with it, and the isotope composition of neodymium can change based on the source of the water masses, currents, and climate.

This change in the neodymium isotope composition helps scientists understand how an ocean's current changes over time.The scientists collected sediment samples from the eastern Arabian Sea.

They looked at the past 29,000 years, a time that witnessed both cold and warm periods in the earth's climate. They found that the neodymium isotope composition in the sediments changed during different climate events.

"During colder times, like the Younger Dryas (11.7 thousand years ago) and other cold periods, the neodymium isotope composition showed higher values," said NIO director Sunil Kumar Singh. "This means that more cold water from the Southern Ocean flowed into the

Arabian Sea, cooling the area, supplying a large quantity of oxygen and changing the ocean currents." He added, "During warmer times, the neodymium values were lower, meaning less cold water came in and warmer water took over."

These changes in ocean waters matched big climate changes, especially in the Northern Hemisphere, showing that the ocean and climate are closely connected.

"This research is important because it helps scientists understand how ocean currents affect temperatures and the earth's climate. For example, during cold periods of Younger Dryas, an abrupt cooling event in the northern hemisphere warmed the southern hemisphere from the weakening of global circulation resulting in a flow of large volumes of water with abundant oxygen from the Southern Ocean into the Arabian Sea," Singh said. "Understanding how this works could help scientists predict how climate change will affect the ocean in the future."

In a nutshell, the study shows that ocean currents were different during cold and warm periods and this difference might have played a role in big climate changes.

"By learning more about these ocean changes, scientists can make better predictions about how the oceans might change as the planet warms," Singh said. "This exciting discovery shows how closely ocean currents are connected to the earth's climate."

Published in:
Times of India

INCOIS to launch two new services on Foundation Day

CSIR-CCMB, CDRI 02nd February , 2025

Indian National Centre for Ocean Information Services (INCOIS), an autonomous body under the Ministry of Earth Sciences (MoES), will be launching two new products — Hilsa Fishery Advisory (HiFA) services and INCOIS Global Ocean Reanalysis (IGORA) Version 1 — to commemorate its 26th Foundation Day on Monday. CSIR Director General N. Kalaiselvi will inaugurate the services.

The Centre will also sign and exchange a Memorandum of Understanding (MoU) with CSIR-Centre for Cellular & Molecular Biology (CCMB), Directorate General of Shipping (DGS), ICAR – Central Institute of Fisheries Education (CIFE), and Letter of Intent with Coalition for Disaster Resilient Infrastructure (CDRI) to undertake joint collaborative projects, scientific, academic and outreach activities at national and international levels.

MoES Secretary M. Ravinchandran, former directors K. Radhakrishnan, Shailesh Nayak, SSC Shenoi Dr. T. Srinivasa Kumar and current director T. M. Balakrishnan Nair will be addressing the scientific community on the occasion.

A stakeholders' meeting will also be held in the forenoon session, where Dr. Nayak, now Director of National Institute of Advanced Studies (NIAS), will deliver a keynote address on "Science for blue-economy services" and DG in-charge shipping and nautical advisor Capt. S.I. Abul Kalam Azad will hold a talk. The meeting is meant to connect with the maritime and coastal communities, provide updates on INCOIS products and services and seek feedback on their future requirements, said a press release on Sunday.

Published in:
The Hindu

ICMCS-2025 conference on Sustainable Resource Utilization

CSIR-NML, CIMFR 01st February , 2025

The National Conference on Innovations in Coal & Mineral Characterization for Sustainable Resource Utilization (ICMCS-2025), organized by CSIR-National Metallurgical Laboratory (CSIR-NML) in Jamshedpur, successfully concluded on January 31, 2025, at Kolkata. The event saw the participation of approximately 100 delegates from 30 renowned institutions across India, including IITs, GSI, universities, CSIR, BARC, and Tata Steel. The conference provided a platform for presenting research findings on the sustainable utilization of coal, ores, and minerals, with a particular focus on the preparation of Certified Reference Material (CRM) as part of the Make in India initiative, aimed at reducing import reliance.

The conference enabled researchers, scientists, PhD scholars, and industry professionals to exchange ideas and contribute toward the vision of "Vikashit Bharat" by 2047. During the valedictory session, Monika Sahu conducted the proceedings, with delegates expressing their appreciation for Dr. Sandip Ghosh Chowdhury, Director of CSIR-NML, and Sanchita Chakravarty, Chairperson of ICMCS-2025, for organizing a successful event. The importance and benefits of such conferences in driving innovation and collaboration in the field were emphasized. Awards were presented to the winners in both the oral presentation and poster presentation categories. The winners of the oral presentations were: P. Kumar – IIT Kharagpur, Susmit M. Nimje – Tata Steel, and Munmun Maji – CSIR-CIMFR Bharat. The winners of the poster presentations were: Kanishk Kumar Karan – AcSIR, CIMFR, Jamshedpur, Kundan Kumar – AcSIR NML, Jamshedpur, Neelu Priya Tirky – Ranchi University. The conference concluded with a vote of thanks by Dr. Rajen Kundu, Convener of ICMCS-2025, who highlighted the success of the event and expressed gratitude for the collaborative efforts that made the conference a valuable knowledge-sharing platform.

Published in:
Dailypioneer

Experts discuss future of mining at IIT ISM Dhanbad

CSIR-CIMFR

01st February , 2025

Leading experts from the industry and academia gathered today at IIT (ISM) Dhanbad to discuss critical issues shaping the future of mining, energy, and sustainability. The workshop, organized in collaboration with TEXMiN, was part of the Industry Institute Interaction 2025 (III) initiative.

Focus on Futuristic Mining Technologies and Global Trends

The discussions covered various topics, including the latest advancements in mining technologies, collision prevention systems, global trends in critical minerals, and India's position on the global mining stage. Experts also addressed strategies for achieving net-zero emissions, emphasizing the need for innovation and sustainability in the sector.

Padma Shree awardee Dr. BVR Mohan Reddy, founder chairman of Cyient, was the chief guest and stressed the importance of increasing India's per capita GDP to the level of developed nations. He also called for stronger collaboration between industry and academia, urging industries to embrace riskier, more groundbreaking research.

Guest speaker Prof. Amit Patra, director of IIT BHU, highlighted the significance of collaboration between academia and industry. He also announced an increase in funding for joint research projects to accelerate innovation in the mining and energy sectors.

Critical Minerals, Green Energy, Underground Mining

Ajit Kumar Saxena, CMD of MOIL India Limited, discussed the critical role of essential

minerals in achieving green energy goals and net-zero emissions. He emphasized that these minerals are vital for the future of sustainable energy and environmental goals. Prof. AK Mishra, director of CSIR CIMFR, spoke about the critical contribution of mining to economic development. He also advocated for changing the public perception of the industry to highlight its positive impact on the economy.

Prof. VMSR Murthy, director of IIEST Shibpur, shed light on integrating smart mining, critical minerals, and green energy into academic curricula to equip students with the knowledge and skills required to tackle future challenges in the sector.

Prof. Prem Vrat, chairman of the Board of Governors at IIT (ISM), joined the event via video conferencing and advocated for a greater emphasis on underground mining, which he believes is less polluting than open-cast mining, contributing to environmental sustainability

Prof. Sukumar Mishra, director of IIT (ISM) and Patron of III-2025, delivered the welcome address, emphasizing the significance of critical minerals for national security and economic growth.

R&D Fair Showcases Innovations in Mining and Energy
During the event, an R&D fair was held where various departments and research centers of IIT (ISM) presented their cutting-edge technologies and advancements in smart mining, critical minerals, and green energy.

Published in:
Thejharkhandstory

Workshop on Research Methodology, Science Communication & IPR organized at IIIM

CSIR-IIIM

01st February , 2025

A workshop on Research Methodology, Science Communication & Intellectual Property Right (IPR) - A Futuristic Perspective was successfully organized by CSIR-Indian Institute of Integrative Medicine (IIIM), Jammu, in which around 100 participants, including researchers, students and professions drawn from J&K, Himachal Pradesh and Punjab have got the opportunity to learn and enhance the knowledge.

On this occasion, Dr. Zabeer Ahmed, Director, CSIR-IIIM, Jammu, underscored the vital importance of integrating rigorous research practices with effective communication strategies to significantly enhance the impact of scientific endeavours.

Further, Dr. Ahmed highlighted how CSIR-IIIM, Jammu is taking on a leadership role in creating synergy among scientific institutions in the region. By establishing collaborative networks, IIIM Jammu aims to facilitate knowledge sharing and innovation, ultimately contributing to the advancement of science and technology in Jammu & Kashmir and beyond.

Additionally, he elaborated on the importance of aligning research initiatives with sustainable development goals (SDGs), advocating for a 'Viksit Bharat' (Developed India) through strategic research and innovation. He emphasized that this alignment not only addresses pressing societal challenges but also propels the nation toward sustainable growth. Furthermore, Dr. Ahmed brought attention to the critical issue of Intellectual Property

Rights (IPR) protection. He articulated that safeguarding intellectual property is essential for fostering innovation and ensuring that researchers reap the benefits of their work. By doing so, IIIM Jammu is committed to promoting an ecosystem that encourages creativity and protects the rights of inventors and researchers.

During the workshop, lectures on patent filing & prosecution, significance of communicating science, introduction to intellectual Property Rights its Application & Commercialization, and Basic of Science Communication and Writing were delivered by Dr. Lipika Patnaik, Senior Principal Scientist, CSIR-IPU, New Delhi; Dr. Manish Mohan Gore, Senior Scientist, CSUR-NIScPR, New Delhi; Dr. Kancherla Prasad, Senior Scientist; & Dr. Love Sharma, Scientist of IIIM.

In his remarks, Er. Abdul Rahim, Head of the RMBD & IST Division, provided a comprehensive overview of the CSIR Integrated Skill Initiatives and the various skill development programs being offered by CSIR-IIIM, Jammu. He emphasized the critical need for skill enhancement in today's rapidly evolving scientific landscape, where advancing technology and research methodologies demand a highly skilled workforce.

The workshop attracted a wide range of participants from diverse academic and research backgrounds, reflecting the collaborative spirit of the scientific community in the region. Representatives from several prominent institutions were present, contributing to an enriching exchange of ideas and experiences.

Dr. Mir M. Asrar, Scientist, conducted the proceedings of the event while Dr. Nasir-Ul-Rashid, Senior Scientist, delivered the formal vote of thanks.

Published in:
Jammulinksnews

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