

# CSIR IN MEDIA



**CSIR**

**NEWS BULLETIN**

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## Union Minister Dr Jitendra Singh announces the launching of CSIR's "One Week, One Lab" countrywide campaign from 6th January, 2023

CSIR-IICT, SERC

17<sup>th</sup> December, 2022



**“One Week One Lab” theme-based campaign is expected to ignite the minds of young innovators, students, academia, and industry to look for opportunities through deep tech Start-ups ventures”**

**The Minister addresses the 200th Governing Body Meeting of CSIR in New Delhi; announces Special Call for Research Grant Proposals for Women Scientists**

**Dr Jitendra Singh says, will soon write to Union Minister for Education Shri Dharmendra Pradhan and all the Chief Ministers of States to evolve a mechanism for wider sharing of CSIR technological breakthroughs and innovations in schools**

**The Minister launches the new tagline of the organisation, “CSIR-The Innovation Engine of India”**

Union Minister for Science & Technology, Dr Jitendra Singh, who is also the Vice President of CSIR (Council of Scientific & Industrial Research), today announced the launching of "One Week, One Lab" countrywide campaign from 6th January, 2023. In this, each of the 37 premier Laboratories/Institutes of CSIR spread across the country will, one after the other in every successive week, showcase their exclusive innovations and technological breakthroughs to the people of India.



Addressing the 200th Governing Body Meeting of CSIR at the Science Centre in New Delhi, Dr Jitendra Singh said, the “One Week One Lab” theme-based campaign is expected to ignite the minds of young innovators, students, Start-ups, academia, and industry to look for opportunities through deep tech ventures. Dr Jitendra Singh recalled that Prime Minister Narendra Modi, who is President of the Council of Scientific and Industrial Research (CSIR), had chaired the meeting of CSIR Society on 15th October, 2022 and appreciated the efforts of CSIR in the past 80 years.

The Prime Minister had urged CSIR in the Society meeting to develop a vision for 2042 when CSIR turns 100 years old and also highlighted the significance of documenting the journey of the past 80 years, which can help take a review of progress achieved and identify areas of lacunae which can be addressed. He also suggested that a virtual summit of all labs can be held regularly in which they can learn new things from each other's experience.

At the 200th Governing Body Meeting of CSIR today, Dr Jitendra Singh announced a Special Call for Research Grant Proposals for Women Scientists. The call for research grant proposal is for women scientists including those who have taken a career break and are interested in returning to research and reestablishing their career. Keeping in tune with the transformations happening in CSIR, the Minister of Science and Technology also released the new tagline, “CSIR-The Innovation Engine of India”. The implementation of paperless E-office across all labs with effect 01 April 2023 and E-performance appraisal system for admin cadre staff for Reporting Year 2022-2023 was also approved.

Dr Jitendra Singh informed the Governing Body Members that he will soon write to Union Minister for Education Shri Dharmendra Pradhan and all the Chief Ministers of States to evolve a mechanism for wider sharing of CSIR technological breakthroughs and innovations in schools for students and aspirants who want to pursue fundamental science and research as a strong career option. Dr Jitendra Singh said, the legacy of CSIR is built on the cumulative contribution of its several national laboratories and institutes. He said, each laboratory of CSIR is unique and specializing in as diverse areas as genomics to geology, material



technology to microbial technology and food to fuel. Dr Jitendra Singh called upon a pool of over 4,500 CSIR scientists to reorient and revitalize the organization to emerge as Global Centers of Innovations in the Amrit Kaal. He said, they must focus on emerging innovations in areas like Hydrogen in the energy transition, Carbon capture and storage, Accessible solar power, Plastic recycling and Cheap energy storage.

Dr N Kalaiselvi, Director General, CSIR gave a presentation on CSIR activities and achievements from the 199th to the 200th GB meetings.

Members of the present GB include Prof Ajay Sood, PSA to the Government of India; Dr Samir V Kamat, Secretary, DoD and Chairman, DRDO; Gurdeep Singh, Chairman and Managing Director, NTPC; Dr Srinivasa Reddy, Director, CSIR-IICT; Dr N Anadavalli, Director, CSIR-SERC; Finance Secretary and Secretary (Expenditure); Shri Baba A Kalyani, Chairmand & MD, Kalyani Group; Prof K VijayRaghavan, Former PSA to GoI; Dr Vijay Bhatkar; Dr K N Vyas, Secretary, DAE and Chairman, AEC and Dr N Kalaiselvi, DG-CSIR.

Dr Jitendra Singh said, CSIR breakthroughs in areas like Drone, Heliborne technology, state of the art Sewage cleaning machines, Aroma Mission has opened up huge opportunities for developing meaningful and equal stake partnership among Research, Academia and Industry. The Minister said, the state-of-the-art Heli-borne survey technology with cooperation from Jal Shakti Ministry was applied last year in States of Rajasthan, Gujarat, Punjab and Haryana and this could play an important role in positively contributing to Prime Minister Narendra Modi's Vision and Mission of "Har Ghar Nal Se Jal". Similarly, the mechanized sewage cleaning system developed by CSIR for wider dissemination will help in achieving the target of Swachh Bharat Mission, he added. CSIR was established on 26 September 1942 and was registered as a CSIR Society under the Societies Registration Act, 1860. The first meeting of the Governing Body was held on 09 March 1942 that framed the Bye Laws for the Council amongst other agenda items.

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## Signing of Memorandum of Understanding (MoU) between the Indira Gandhi National Centre for the Arts (IGNCA), New Delhi and the CSIR-Traditional Knowledge Digital Library (CSIR-TKDL) Unit

CSIR-TKDL

16<sup>th</sup> December, 2022



The Indira Gandhi National Centre for the Arts (IGNCA) and the CSIR-Traditional Knowledge Digital Library (CSIR-TKDL) Unit signed a Memorandum of Understanding (MoU) in New Delhi today for cooperation related to digitization and inclusion of information on traditional knowledge of India from manuscripts and traditional cultural expressions.

The MoU was signed by Prof. Sachchidanand Joshi, Member Secretary, IGNCA and Dr. Viswajanani J Sattigeri, Scientist H and Head, CSIR-TKDL Unit in the presence of several senior officials from both organizations. India is home to over two crore manuscripts containing valuable information on Indian heritage and traditional knowledge (TK). Our traditional cultural expressions (TCE) are still passed on from one generation to the next through word of mouth.

With fewer and fewer people understanding scripts and languages of these manuscripts and our cultural expressions, the MoU between IGNCA and CSIR-TKDL Unit will facilitate efforts towards protection and preservation of the manuscript knowledge for current and future times, through inclusion of the information into the TKDL database. This cooperation between the Parties is also expected to enable digitization and inclusion of non-written, oral



and audio-visual materials related to traditional knowledge and traditional cultural expressions into the TKDL.

Speaking on the occasion, Prof. Sachchidanand Joshi spoke of the importance of manuscripts and documentation of local practices in the context of preserving this valuable information for our future generations. He also spoke of the efforts of the IGNCA on the above, including the existence of priceless manuscripts in all subject areas, and manuscripts in languages and older scripts such as in Sanskrit, Arabic and Persian. Speaking of local traditions and practices, Prof. Joshi highlighted the IGNCA initiative on “mera gaon meri dharohar” in reference to mapping of information at village levels related to modern and traditional practices. He stated that the cooperation between the two organizations is a much-required initiative towards addressing national needs on preserving and disseminating information on our invaluable heritage.

Dr. Sattigeri highlighting the deliberations over the years between the organizations on various aspects related to TK and TKDL, stated that the signing of the cooperation is a forward-looking action towards enriching and enhancing the scope and value of the TKDL. Stating that the TKDL offers a unique platform to bring together traditional knowledge and technology that can be understood by the current generations, she opined that the cooperation with IGNCA offers immense potential for both Parties to work across diverse aspects of TK and TCEs.

Besides focused activities related to manuscripts and local practices, both organizations have also agreed to collaborate and undertake outreach and dissemination activities such as publications, seminars, conferences, workshops and exhibitions jointly, and also pursue research studies in areas of common interest.

About CSIR-TKDL: The Traditional Knowledge Digital Library (TKDL) is a pioneering Indian initiative, jointly by the CSIR and Min of AYUSH, to prevent exploitation and to protect Indian traditional knowledge from misappropriation by way of wrongful Intellectual



Property Rights. India's rich traditional knowledge which exists in diverse languages such as Sanskrit, Hindi, Arabic, Persian, Urdu, Tamil etc. is neither accessible nor comprehensible for patent examiners at the international patent offices. The TKDL contains Indian traditional medicine knowledge from classical/ traditional texts related to Ayurveda, Unani, Siddha and Sowa Rigpa, and Yoga techniques in a digitized format and is available in five international languages (English, French, German, Spanish and Japanese) to patent examiners. The TKDL is accessed by 15 patent offices worldwide for search and examination of evidences related to TK in patent applications filed at their offices. Recently, the Cabinet, GoI approved widening of the access of the TKDL to users, beyond patent offices to stimulate R&D and innovation based on Indian TK.

About IGNCA: Indira Gandhi National Centre for the Arts (IGNCA) is an autonomous institution under the Union Ministry of Culture, Government of India. The organization serves as a major resource centre for the arts, especially written, oral and visual source materials. It also undertakes research and publication programmes of reference works, glossaries, dictionaries and encyclopaedia concerning the arts and the humanities.



## Palampur institute reviews floriculture mission in Dharamsala

CSIR-IHBT

20<sup>th</sup> December, 2022

The Council of Scientific and Industrial Research-Institute of Himalayan Bio-resource Technology (CSIR-IHBT) reviewed the activities undertaken under the CSIR-Floriculture Mission at Tang Narwana, Dharamsala, today.



Members of the CSIR-IHBT Research Council along with the director and scientists of the institute met floriculture farmers, entrepreneurs and industrialists in Dharamsala. They interacted with 50 progressive farmers and discussed the impact of the floriculture mission in the region.

Dr Trilochan Mohapatra, former secretary, Department of Agricultural Research and Education; along with Dr Sanjay Kumar, Director, CSIR-IHBT; Dr SK Sharma; Dr Agepati S Raghavendra; Prof Uma Ramakrishnan; and Dr Meenakshi Singh; monitored the activities and progress of the floriculture mission.

Under the CSIR-Floriculture Mission, Dr N Kalaiselvi, DG, CSIR and Secretary, DSIR, had flagged off the refrigerated van at the CSIR-IHBT in November.

Dr Mohapatra today sent off the first cold-chain supply of boxes containing fresh carnations and gerberas through the van. He appreciated the efforts of the Palampur institute to support floriculture farmers of the region.

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[Tribune India](https://www.tribuneindia.com)



## Vidya Niketan students interact with scientists at CSIR-NML Jamshedpur

CSIR-NML

20<sup>th</sup> December, 2022

A group of 60 students from +2 Vidya Niketan High School, Haldi Pokhar accompanied by four teachers Kumari Geeta, Nidhi Gupta, Suryamani Yadav, and Joy Choudhary visited at CSIR-National Metallurgical Laboratory, Jamshedpur and interacted with scientists and research scholars this morning under the aegis of “Gigyasa program”. This program was



organized for school students and teachers. The objective of this program is to provide exposure to the research environment and simultaneously motivate towards science and further encouraged them to pursue a career in the science stream in near future. The students were thrilled to visit the laboratory and interact with the working group.

Dr PN Mishra, Senior Principal Scientist, KRIT Division, CSIR-NML, in his address introduced CSIR-NML as one of the leading research organizations in India having a state-of-the-art research facility and expertise. He explained the R&D contributions of NML to the minerals-based and allied industries in India and overseas. Further talk about the significance of research projects and activities taken up by the R&D divisions and elaborated on the process of extracting metals from minerals, failure analysis of engineering components, waste management, and various other research areas in the field of minerals, metals, metallurgy, and materials sciences. During the program one of the school teachers Kumari Geeta urged the students to make themselves aware of various issues related to waste management and grab the opportunity to learn about e-waste management techniques at the CSIR-NML.

Dr Aniket Dutt, a Project Scientist from the KRIT Division team gave a short presentation on



the CSIR-Jigyasa portal. The team helped the students and teachers who showed interest to subscribe to the Youtube channel of the CSIR-NML Jigyasa program.

The day-long program included a visit to some research laboratories, workshops, and KRIT Division and visiting the CSIR-NML museum and library. The students and teachers were very happy with the overall experience.



## Kashmir Scientist Bags National Award In Microbiology

CSIR-IIIM

19<sup>th</sup> December, 2022

Kashmiri scientist, Dr Zahoor Ahmad Parray, has bagged the national award for his contribution to the field of microbiology. The award was given to him by the Microbiologists Society of India (MBSI), an established research society. Dr Parray along with two other scientists, Dr T Citarasu and Dr Shekhar Jain, would receive the Senior Scientist award during MBSI Annual Conference scheduled at Nagpur on January 22-24, 2023.

The MBSI, each year, invites nominations for various fields including senior scientists who have, over the years, conducted scores of research projects, trained students, managed grants from funding agencies and have rich experience in the field of microbiology. The process for a national award goes through a process at the state level where professionals are first awarded. The state awardees are then scrutinised by a committee for national awards. Dr Parray, currently, is working as a Principal Scientist (E-II) CSIR-IIIM. He did his early schooling at Salafia Muslim Institute Yaripora in Kulgam district.

He went on to pursue his higher secondary education at Government Higher Secondary School, Yaripora. He did his graduation from Government Degree College, Anantnag wherefrom he went on to pursue biochemistry at Kashmir University and then joined the Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh for a PhD.

Dr Parray went on to peruse his Post Doctorate studies in Pretoria, South Africa where he worked at the Council for Scientific and Industrial Research and researched nanotechnology. He did his second Post Doctorate from the John Hopkins, Centre for Tuberculosis Research, Baltimore, Maryland. Eventually, in 2010, he shifted from John Hopkins to CSIR IIIM where he currently works.

**Published in:**

[Kashmir Life](#)



## CSIR-IIIM celebrates Tree Talk foundation day with SFE

CSIR-IIIM

19<sup>th</sup> December, 2022

AMMU, Dec 19: CSIR-Indian Institute of Integrative Medicine, Jammu, celebrated the 12th Tree Talk Foundation Day (1280th tree talk) today at CSIR-IIIM Jammu campus in collaboration with Society for Ethnopharmacology (SFE), India Jammu chapter. The broad theme of the event was "Medicinal and Aromatic Plants (MAPs) & CSIR-Aroma Mission Phase-2." More than 200 participants from different walks of life, including scientists, tree talk enthusiasts, conservationists, ayurvedic doctors, academicians, students, researchers, poets, and traditional healers, participated in the program.

Dr. O.P. Vidyarthi (Retd. IFS), Tree Talk Founder, gave a detailed presentation about 12 years journey of the Tree Talk initiative. He shared his experience about the MAPs of J&K and their nutritional and economic potential for the betterment of society. He thanked all the stakeholders and participants who made the Tree Talk initiative successful over the years.

Chief Guest of the program, Er. Abdul Rahim, Chief Scientist and HOD, RMBD&IST Division, IIIM Jammu, gave details of research undertaken on MAPs at CSIR-IIIM. He conveyed the message of Dr. D. Srinivasa Reddy, Director IIIM Jammu. Dr. Reddy, in his message, congratulated Dr. O.P. Sharma on the 12th Tree Talk Foundation Day. On behalf of Director IIIM, Er. Rahim assured full support to the SFE and Tree Talk initiatives in future endeavors.

Earlier, in his presentation, Dr. Sumeet Gairola, Principal Scientist and Nodal Scientist CSIR-Aroma Mission Phase-2, gave details of CSIR-Aroma Mission activities of CSIR-IIIM, Jammu. He apprised participants about the rich scientific history of CSIR-IIIM Jammu. He informed participants about exemplary work done by great scientists like Col. Sir R.N. Chopra and Dr. E.K. Janaki Ammal at CSIR-IIIM, Jammu.

Dr. Prasoon Gupta, Principal Scientist, and Coordinator SFE, Jammu Chapter, informed



participants about pan India activities and the mission of SFE. He urged all to join SFE for the betterment of Science and Society. In his address, Dr. Dhiraj Vyas, HOD Plant Sciences and Agrotechnology Division, discussed the relevance of Tree Talks in conserving Biodiversity.

More than 30 posters on Ethnopharmacology and Medicinal plants were displayed under the competitive category. Participants exhibited several wild edibles, medicinal and religious plants, plant products, innovative cuisines, sweets, and teas. Tree Talk Enthusiasts who were felicitated on this occasion are Prof. Vijay Chandan, Prof. Ran Vijay Singh, Kewal Parihar, Taslima Sheikh, Sham Lal Agnihotri, Dr. Kiran Sharma, Prof. Parmil Kumar, Sandeep Gupta, Dr. Anzum, Sumit Soodan, and Purshotam Dubey Shastri. Outdoor Tree Talk was also conducted at the CSIR-IIIM Jammu campus, where all the participants enthusiastically participated. The program concluded with a vote of thanks by Dr. Sumeet Gairola.



## Industry, R & D Conclave On Rare Earth Held At CSIR-IMMT

CSIR-IMMT

17<sup>th</sup> December, 2022

An interaction meeting on “Theme Meeting for Rare Earth (TMRE- 2022) held on Saturday at CSIR-IMMT Auditorium Hall, Bhubaneswar. Deloitte was the knowledge partner of the conclave. The delegates present were D Singh, CMD-IREL, Dr S.Basu, Director, CSIR-IMMT and the Chief Guest Dr V K Saraswat, Member, NITI Aayog for the inaugural session.



Addressing the audience Dr S.Basu, Director, CSIR-IMMT commented on how they are working in the areas of rare earth and many ferrous and non-ferrous minerals, mineral processing and metalurgy and fictionalisation and development of the materials and alloys, associated environmental areas which is very important when mining and metalurgic activities are done. Post inauguration a series of sessions and panel discussions were held discussed about various topics related to industry like Rare Earth, technologies developed through IREL Technology Development Council, Nd Metal Making, R&D Activities related to REE at IMMT, etc. Dr V K Saraswat, Member, NITI Aayog expressed his happiness with IMMT for providing such a platform for the industry stakeholders.

He further added that IREL has been a pioneer in the rare earth. He suggested IMMT and IREL to promote the value-added products in large scale. The sessions were summarised by Deloitte, Knowledge Partner and ended with paying respect to the National Anthem. An MoU was signed between IREL and IMMT for joint R&D collaborations. All the members paid visit to the exhibition stalls after the session. .

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[Odisharay](http://www.odisharay.com)



## Palampur on way to be Tulip City of Himachal Pradesh

CSIR-IHBT

16<sup>th</sup> December, 2022

**PALAMPUR:** Encouraged by the public response and success of growing tulips in Palampur, the Council of Scientific and Industrial Research (CSIR)- Institute of Himalayan Bioresource Technology (IHBT) has planted over 40000 tulip bulbs of various colours in an effort to promote Palampur as ‘Tulip City ‘ of India.



“Last year we had planted around 28000 bulbs but this year we have planted over 40000 bulbs which were grown by around two dozen farmers of Lahul and Spiti due to favourable climatic conditions,” said Dr. Bhavya Bharava, senior scientist, floriculture, department of agrotechnology, CSIR-IHBT, Palampur. He said they had also been able to grow some bulbs locally by creating near similar temperature conditions. “Besides Lahaul and Spiti , this year we are trying to grow the tulip bulbs in Leh also” he said.

Bhavya informed that the flowers would bloom in February, 2023 and the tulip garden would be opened for general public from mid February to mid March 2023. He informed that about 85% of the world's tulip bulb was grown in the Netherlands. "In India, its commercial cultivation is limited to Himachal Pradesh, hilly areas of Jammu and Kashmir, and some parts of Uttarakhand", he said.

He said tulips were excellent flowers for garden decoration and as cut flowers for vase decoration. “Tulip is occupying a prime position in the top ten elite cut flowers of the world for more than five decades. Tulip flowers have good demand in the international market on account of the elegant flowers of different hues and shapes” he said.



Tulips were a temperate crop and the bulbs required a cold temperature regime for flower initiation. Tulips grown in hills require a day temperature of 20-26°C and a night temperature of 5-12°C during the growth period.

“Open places that receive maximum sunlight for the most part of the day, are most suitable for its cultivation. Plants can be grown outdoors and under greenhouse conditions. It can grow in pots, containers, prepared beds, borders, basins of the other orchards like apple, cherry etc. are best for its cultivation” he said.

Given the success of growing tulip bulbs, he said they would also be promoting tulip plantation among farmers as a commercial crop.

Imported bulbs cost anything around Rs 35 per bulb whereas domestically grown bulb of the same quality costs almost half of the price of imported bulbs, said he adding that tulip flowers had a huge demand in the market.



## BRO inks history in India, builds first steel slag road in Arunachal



By Pradeep Kumar  
**NAHARLAGUN, Dec 15:** The 119 road construction company (RCC), 756 Border Roads Task Force (BRTF) of Border Roads Organization (BRO)'s Project Arunank inked history by construction one kilometer stretch of Joaram-Koloriang road in Arunachal Pradesh on Thursday by using steel slag.

The extremely environmental-friendly steel slag, a waste byproduct of steel manufacturing, replaces conventional stone aggregates for utilizing waste effectively to reduce dependence on traditional stone quarries and ensures high strength and durability for a longer life, said Project Arunank chief engi-

neer Brig. Anirudh S Kanwar, who supervised the works taken up on trial basis.

This road to Sino-India border in Kurung Kumey district connects Joram and district headquarters Koloriang via Palin in sensitive Arunachal Pradesh.

This is an initiative of BRO Director General Lt Gen Rajeev Chaudhry to introduce environment friendly new technologies. The use of steel slag for road construction has been taken up as an inter-ministerial collaboration between ministry of defence, ministry of science & technologies, ministry of steel and ministry of railway of the Centre. This collaborative initiative between the BRO, CRRI-CSIR, Indian Railway and Tata

Steel from private sector will go a long way to produce wealth from waste in line with the initiative of Prime Minister Narendra Modi to convert waste to wealth.

The steel slag materials were given by Tata Steel Ltd. and transported from Jamshedpur to Arunachal Pradesh by Indian Railways free of cost.

It may be recalled here that while flagging off racks of goods train from Jamshedpur from New Delhi virtually on November 2 last, Union MoS (Independent Charge) for S&T & Earth Sciences, PMO, PP/DoPT, Atomic Energy & Space Dr Jitendera Singh had said that "India entered the new era of steel road making today."

"This was one of the pri-

ority approaches of the Centre to fast track development of North East region by present Govt led by PM Modi", Dr Singh had said, adding the new technology is best in the world now".

The steel industries in the country producing 11 million tons steel annually would be benefitted as the process begins across the country in future, he had reasoned.

Terming it as a red letter day for the BRO and Steel India for construction of most important road in Arunachal Pradesh, BRO Director General Lt Gen Rajeev Chaudhary had said that the BRO has been always experimenting new technologies in road and bridge constructions to

hasten the process and save Govt funds.

The BRO presently engaged in road building in 11 states, three UTs and Bhutan made a difference by constructing roads in Arunachal and Ladakh, particularly by building and blacktopping Umlingla Pass in Ladakh, world's highest motorable road at 19,024 feet, he had informed.

Moreover, Defence Minister Rajnath Singh had virtually dedicated 75 projects (45 bridges, 27 roads, two helipads and a Carbon Neutral Habitat), built by Border Roads Organisation (BRO) worth Rs 2,180 crore in six states and two UTs on October 28 last. These include 18 projects of border state of Arunachal Pradesh.





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