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India and Argentina have agreed for a bilateral exchange of young researchers and Startups, particularly in the field of Biotechnology and Agriculture, says Union Minister Dr Jitendra Singh

CSIR

24th July , 2023



India and Argentina have agreed for a bilateral exchange of young researchers and Startups, particularly in the field of Biotechnology and Agriculture.

This was stated here today by Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh when the Governor of Santa Fe province of Argentina, Omar Angel Perotti called on him, accompanied by a high-level delegation.

The two countries also decided to hold comprehensive talks between delegations comprising academia, R&D Institutes and Industry in the field of Science & Technology and Biotechnology, said the Minister.

Dr Jitendra Singh mentioned that a new Indo-Argentina call for joint proposals was launched on February 7, 2023 in the research areas of Energy Transition and Biotechnology jointly during his meeting with Argentina's Minister of Science, Technology and Innovation, Mr Daniel Filmus in New Delhi. A total of 82 joint proposals were received under the said call.

These are under the evaluation process. Santa Fe Province accounts for as many as 8 of these joint proposals, said Mr. Perotti, adding that the province also accounts for about 80% of bilateral trade between India and the Latin American nation. The Governor mentioned that Santa Fe is the hub of R&D institutions in Biotechnology and Agricultural research especially in Soyabean, and close tie ups with universities and industry in the province. Pioneering work has been done here in disease resistant seed production, he said.

The Indian delegation evinced interest in collaborating in Geospatial technology, Quantum Computation and Bio-Enzymes. It was pointed out that India has the world's third largest Startup ecosystem and there is huge potential for joint studies and collaboration at various levels such institutional, universities and multilateral fora.

India and Argentina have an Inter-governmental Agreement to promote technical and scientific cooperation signed in 1985. The objective of this programme is to strengthen and expand relations between scientific communities, making possible the exchanges between Indian and Argentine research groups, in the framework of joint scientific and technological projects, selected by the parties.

Dr Rajesh S. Gokhale, Secretary, Department of Science & Technology (DST) & Department of Biotechnology (DBT) and Dr. N. Kalaiselvi, Director General, Council of Scientific and Industrial Research (CSIR) comprised the Indian delegation while the Argentine delegation included Presidents of the two major Stock Exchanges in Santa Fe and Vice-Chancellors of three Universities in the province besides the Ambassador of Argentina to India, Mr Hugo Gobby.

India is the 4th largest trading partner of Argentina, with bilateral trade touching a historic peak of USD 6.4 billion in the year 2022, recording a growth rate of 12% over 2021. Exports from India to Argentina was worth USD 1.84 billion (31% growth rate) while India's imports from Argentina was worth USD 4.55 billion. As per DGFT, India-Argentina bilateral trade during the fiscal year 2022-23 was USD 4.16 billion, with India's exports to Argentina valued

at USD 961 million and Argentina's exports to India valued at USD 3.20 billion. Major items of India's exports to Argentina include petroleum oils, agrochemicals, yarn-fabric-made ups, organic chemicals, bulk drugs and two-wheelers. Major items of India's imports from Argentina include vegetable oils (soya bean and sunflower), finished leather, cereals, residual chemicals and allied products and pulses.

Several Indian companies have established operations in Argentina with a total investment of over USD 1 billion. Argentina's investment in India stands at approximately USD 120 million. Argentine companies with presence in India include Globant and OLX in IT services and TECHINT in the manufacturing sector. A new assembly line of Royal Enfield was inaugurated by Argentine President Mr. Alberto Fernandez on 9 September 2020 at the production facility of SIMPA Group in Buenos Aires Province. This marks the first time in the 119 years' history of Royal Enfield that their bikes would be manufactured outside their own plants.

Agreements to promote cooperation in Oil and Energy sector was signed between OVL Ltd and YPF (Argentine Oil and Energy public sector company) in February 2023; first ever commercial agreement in defence sector for supply of helicopters spares and engine maintenance was signed between HAL and Argentine Air Force in February 2023 as also cooperation agreement between HAL and FAdeA (Argentine public sector company in Aeronautics) in June 2023. A bilateral business chamber, India-Argentina Business Council (IABC), was formally launched on 14 October 2020. The Council, conceptualized as a non-profit organization comprising leading investors, exporters and importers in Argentina, is currently composed of over 30 companies. IABC, together with India's Mission, organized the first Business Forum on 25 March 2021.

There are about 2,600 NRIs / PIOs in Argentina. Most of the NRIs live in Argentina. Majority of these live in the capital city of Buenos Aires, including professionals working with Indian companies and multinational corporations.

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‘Cannabis Research Project’ of CSIR-IIIM Jammu is a first of its kind in India under PPP with a Canadian firm, has great potential to put substance of abuse for the good of mankind: Dr. Jitendra Singh

CSIR-IIIM

23nd July , 2023



Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh today said, Jammu is going to pioneer India's first Cannabis Medicine Project.

‘Cannabis Research Project’ of CSIR-IIIM Jammu is a first of its kind in India initiated under the leadership of Prime Minister Narendra Modi, in Private Public Partnership with a Canadian firm, which has a great potential to put substance of abuse for the good of mankind especially for patients suffering from neuropathies, cancer and epilepsy.

Dr. Jitendra Singh said this during a visit to the Cannabis Cultivation Farm of CSIR-Indian Institute of Integrative Medicine at Chatha near Jammu to get the first-hand information about the cultivation practices for Cannabis in the protected area of the institute and research work being carried out on this important plant.

The Minister said, this project of CSIR-IIIM is also important from the perspective of Atma-Nirbhar Bharat as after getting all the approvals, it will be able to produce export quality

drugs meant for different kinds of neuropathies, diabetic pains etc. Dr. Jitendra Singh said, since J&K and Punjab are affected by drug abuse, this kind of project will spread awareness that this substance of abuse has diverse medicinal uses especially for the patients suffering from malignancies and other diseases.

Dr. Jitendra Singh said, the signing of scientific agreement between CSIR-IIIM and IndusScan was historic not only for J&K but for whole of India as it has the potential to produce those kinds of medicines which have to be exported from foreign countries. This kind of project will give an impetus for huge investment in Jammu and Kashmir, Dr. Jitendra Singh added.

While appreciating CSIR-IIIM for this project, Dr. Jitendra Singh said, CSIR-IIIM is the oldest scientific research institute in India with the history of discovering mint way back in 1960s, the centre of purple revolution and now the Cannabis Research Project of CSIR-IIIM is going to make it more prestigious in terms of scientific research in India.

During the field visit, Dr Jitendra Singh took stock of the one acre protected area where CSIR-IIIM is presently doing large scale cultivation of superior accessions of Cannabis.

The Minister also visited the glass houses with climate control facilities where research work on improving the varieties for desired cannabinoid content is being performed.

Dr. Jitendra Singh complimented the efforts of the CSIR-IIIM for pioneering research in exploring the therapeutic properties of Cannabis, a plant which is otherwise prohibited and known for abuse. The Minister expressed his satisfaction over the research work conducted on Cannabis Project by CSIR-IIIM and also acknowledged the immense potential of cannabis-based treatments in addressing various health conditions.

Dr. Jitendra Singh emphasized the importance of using latest technology and the cultivation practices for increasing the produce that would help the farmers. Dr. Jitendra Singh also

stressed the need for developing newer indigenous varieties that would suit the environmental conditions of our country. He also highlighted the role of biotechnology in this endeavour and encouraged the researchers to continue pushing the boundaries of scientific development.

While briefing the media on the occasion, Dr Jitendra Singh said, Cannabis is a wonder plant from which FDA has approved the drugs such as Marilnol/nabilone and Cesamet for treatment of nausea and vomiting, Sativex for neuropathic pain and spasticity, Epidiolex, Cannabidiol for epilepsy and being used elsewhere in countries. In J&K, the license was granted to CSIR-IIIM, Jammu for research and protected cultivation and upon permission of GMP manufacturing, the rest of pre-clinical and clinical studies would be completed.

Dr. Zabeer Ahmed, Director, CSIR-IIIM, apprised the Union Minister that at present CSIR-IIIM has a repository of more than 500 accessions collected from different parts of the country. The scientists of the institute are working in different directions to provide the end-to-end technology for Cannabis cultivation, drug discovery with emphasis on disease conditions like pain management in cancer and epilepsy. He further informed Union Minister that under a tripartite agreement of CSIR with Department of Biotechnology (DBT) and Indian Council of Medical Research (ICMR), CSIR-IIIM has completed the exploratory research on Cannabis after license for cultivation of Cannabis for scientific purpose was granted by J&K Govt. For further pre-clinical regulatory studies related to management of Cancer Pain and epilepsy, it is very important to carry out GMP manufacturing for pre-clinical and clinical studies which are mandatory requirements of the discovery of newer therapeutic drugs. An application to get license from Excise Department of J&K Govt. For GMP manufacturing and transportation of Cannabis material exclusively for scientific purpose has been submitted long back which is still under process, he informed.

Pertinently CSIR-Indian Institute of Integrative Medicine is the pioneer in the Cannabis research and obtained the first license for cultivation in the country. Following this, many other states like Uttarakhand, Uttar Pradesh, Manipur, Madhya Pradesh and Himachal Pradesh have started making the policy and rules for use of Cannabis for scientific purpose.

Among others present on the occasion were Er. Abdul Rahim, Chief Scientist and Head RMBD & IST Division, Dr. Dhiraj Vyas, Sr. Principal Scientist & Head, PSA Division, Dr. Sumit Gandhi, Sr. Principal Scientist & Head, IDD Division, Dr. P.P. Singh, Principal Investigator, Cannabis Research Project and Dr. Saurabh Saran, Principal Scientist and I/C Technology Business Incubator and Atal Incubation Centre.

CSIR-NML जमशेदपुर : ई-कचरे की प्रोसेसिंग कर निकाला जायेगा सोना

CSIR-NML

25th July , 2023

जमशेदपुर के बर्मागांड्स स्थित राष्ट्रीय धातुकर्म प्रयोगशाला (एनएमएन) ने मंगलवार को नयी दिल्ली की कंपनी मेसर्स नोवासेंसा प्राइवेट लिमिटेड के साथ एक एमओयू किये. इसके तहत एनएमएल कंपनी को ई-वेस्ट रिसाइक्लिंग प्लांट स्थापित करने के लिए तकनीक प्रदान करेगा. कहा जाये, तो एनएमएस नोवासेंसा प्राइवेट लिमिटेड को खराब बैटरी की रिसाइक्लिंग एवं प्रिंटेड सर्किट बोर्ड को लेकर तकनीक हस्तांतरण करेगा. नोवासेंसा ई-कचरा की प्रोसेसिंग कर कीमती एवं बहुमूल्य धातु जैसे गोल्ड, लिथियम, कोबाल्ट, मैंगनीज, निकिल, कॉपर, अल्युमीनियम और ग्रेफाइट निकालगी. यह रिसाइक्लिंग प्लांट पूर्ण रूप से ई-वेस्ट के लिए बहुमूल्य होगा, क्योंकि यह रिसाइक्लिंग जीरो वेस्ट कॉन्सेप्ट पर कार्य करेगी.



इस अवसर पर नोवासेंसा प्राइवेट लिमिटेड के सह-संस्थापक और सीईओ असीम त्रिवेदी ने बताया कि वह अपने व्यवसाय का विस्तार करते हुए अब ई-कचरा रिसाइक्लिंग के व्यवसाय में प्रवेश कर रहे हैं. सीमित प्राकृतिक संसाधनों की अत्यधिक चिंता को ध्यान में रखते हुए उन्होंने कहा कि प्रदूषण मुक्त समाज बनाने के साथ ही भावी पीढ़ी के लिए प्राकृतिक संसाधनों का संरक्षण करके देश की सेवा करने के लिए ई-कचरा रिसाइक्लिंग तकनीक लेकर एवं सीएसआईआर एनएमएन का हिस्सा बनकर बहुत खुशी हो रही है. एनएमएल के निदेशक डॉ अवनीश कुमार श्रीवास्तव ने खुशी व्यक्त की और कहा कि हाल के दिनों में एनएमएल ने कई स्वदेशी तकनीकें भारतीय कंपनियों को हस्तांतरित की है. उन्होंने आशा जतायी कि देश को कचरा मुक्त बनाने के लिए भविष्य में एनएमएल अधिक से अधिक प्रौद्योगिकी स्थानांतरित करेगा.

एनएमएल की ओर से बताया गया है कि तकनीकी पर्यावरण अनुकूल है एवं इसके सही

निष्पादन से पर्यावरण स्वच्छ होगा. बेरोजगार युवकों को नौकरी मिलेगी एवं असंगठित इकाई संगठित होकर कपड़ा उठाव एवं निष्पादन इस प्लान्ट के द्वारा कर सकेंगी. म्यूनिस्पल इकाइयां भी इस कंपनी से संपर्क कर कचरा निष्पादन कर कर सकेंगी. इस अवसर पर एनएमएल के निदेशक डॉ अवनीश कुमार श्रीवास्तव, परियोजना प्रमुख डॉ मनीष कुमार झा, प्रभाग प्रमुख डॉ संजय कुमार, डॉ झुमकी हैत, डॉ रंजीत कुमार सिंह समेत टीम शोधार्थी डॉ रेखा पांडा, ओम शंकर दिनकर, रुखसाना परवीन ने एमओयू में योगदान किया. इनके अलावा व्यापार प्रमुख डॉ एसके पाल और डॉ वीणा कुमारी, डॉ अंजनी कुमार साहू इस अवसर पर उपस्थित थे.

Materials Advancement and Methods for Technological Applications workshop at CSIR-IMMT Bhubaneswar

CSIR-IMMT

25th July , 2023

A week long high-end workshop on Materials Advancement and Methods for Technological Applications (MAMTA-2023) started from Tuesday at CSIR-IMMT Bhubaneswar. This workshop is supported by SERB “Accelerate Vigyan – Karyashala” Scheme as well as CSIR Integrated Skill Development Initiative-IMMT.



Dr. Ramanuj Narayan, Director, CSIR-IMMT, delivered briefly about the philosophy of development of materials for technology through a presentation. On this occasion, Dr. Ramanuj said, This workshop will provide a vital platform for gaining knowledge based on the several materials’ synthesis techniques for the development of electronics, energy and environmental devices by highly experienced speakers.

Renowned speakers, like Prof. Surojit Gupta, University of North Dakota, Dr. Shova Neupane, University of Southern Denmark, Denmark, Dr. Kalpataru Panda, Technische Universität Ilmenau, Germany, Dr. Rani Mary Joy, Hasselt University, Belgium, Dr. Raviraj Vankayala, IIT-Jodhpur, Prof. Animesh Mandal, IIT-Bhubaneswar, Dr. Sivaiah Bathula, IIT-Bhubaneswar, Dr. Rambabu Dandela, ICT-IOC, Bhubaneswar, Prof. Jyotirmayee Nanda, Siksha ‘O’ Anusandhan, Bhubaneswar, Dr. Swetapadma Praharaj, KIIT, Bhubaneswar and Scientists from CSIR-IMMT will deliver their talk during the Workshop. The out station speakers will be in virtual mode.

Through this program, CSIR-Institute of Minerals and Materials Technology (IMMT) is looking to take up the challenge of skilling a select group of individuals as it has several years

of research and technical experience in the fabrication of advanced materials using physico-chemical methods for applications in electronics, photonics, electrochemistry, sensors etc.

The workshop will focus on:

- To educate the PhD and PG students about the fundamentals on the top-down and bottom-up synthesis approaches of advanced materials using physical and chemical methods and the progress of these materials in technological applications.
- Lectures from experienced scientists will include the basics of advanced materials, their synthesis, properties and characterization, and applications in the areas such as photovoltaic, magnetic sensors, energy storage, photocatalytic dye degradation, gas sensing and opto-electronic applications.
- To provide understanding and insight to PhD and PG students about the practical aspects of synthesis of materials and hands-on experience on the processing equipment such as field emission scanning electron microscopy, Hall effect measurement, four-probe measurement, microplasma illumination, electrochemical work station, UV-visible spectroscopy and gas sensing equipment.
- The discussion sessions will offer a fertile atmosphere for brainstorming and creative thinking among students and scientists to compare and contrast the requirements for developing advanced materials across both domains and apply this knowledge to a real-world problem.

Since the core concept of this program is centered on the advanced materials and their technological applications, it fits perfectly within the aims and objectives as well as the core research capabilities of CSIR-IMMT.

IPR Seminar at TVM NIIST on July 26

CSIR-NIIST

25th July , 2023

Thiruvananthapuram: CSIR-NIIST is organising an IPR Seminar on July 26, 2023 in its campus in connection with National Intellectual Property Festival, an “IP Campaign” to create IP awareness among the Scientists, Students, researchers and other stakeholders. Dr. G. Byju, Director, Central Tuber Crops Research Institute (CTCRI) will inaugurate the IPR Seminar at 9.30 AM on July 26. Dr. C. Anandharamakrishnan, Director CSIR-NIIST will preside over. About 300 delegates are expected to participate in the seminar. The seminar will conclude by 12.45 PM.

National Intellectual Property Festival is being organised by Department of Scientific and Industrial Research (DSIR) and CSIR as per instruction from Ministry of Culture, which is coordinating “Azadi Ka Amrit Mahotsav” celebrations to mark 75 years of independence. CSIR aims to organise at least 75 IP Awareness Programmes as part of this “National Intellectual Property Festival” during the month of July 2023 with the support of DSIR, NRDC, DPIIT and the Indian Patent Office. The central theme of the “IP campaign” is “Nurturing Ideas for Innovation.”

There will be three technical sessions after the inaugural function. Dr V Ajit Prabhu, Chief Scientist and Nodal Officer of Intellectual Property Rights Information Centre, KSCSTE, Shastra Bhavan will deliver the key-note address on the topic “Introduction to IPR – Nurturing Ideas to Innovation”. Dr P Sethuraman Sivakumar, Principal Scientist and Officer-In-Charge of AgriB-usiness Incubator, CTCRI, Thiruvananthapuram will talk on “IP development and Commercialization – Case studies”. Rakesh CR, patent agent and consultant to Daimler India Commercial Vehicle Ltd. (Former Patent Examiner, Govt. of India) will speak on “Introduction to Patent filing procedures and Drafting”

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CSIR-CMERI

25th July, 2023



दुर्गापुर। सीएसआईआर-सीएमईआरआई दुर्गापुर ने एक डीएसटी-एसईआरबी, भारत सरकार द्वारा प्रायोजित कार्यशाला (हाई एंड वर्कशॉप) का उद्घाटन किया, जिसका शीर्षक था आर्टिफिशियल इंटेलिजेंस (एआई) आधारित निगरानी और सुरक्षा : सहयोगात्मक सार्वजनिक सुरक्षा में तेजी लाना। सीएसआईआर-सीएमईआरआई के निदेशक डॉ. एन सी मुर्मू और सीएसआईआर-सीएमईआरआई, दुर्गापुर के अन्य वरिष्ठ वैज्ञानिकों ने उद्घाटन समारोह की शोभा बढ़ाई

और कार्यशाला पर अपने विशेषज्ञ विचार रखे। कार्यशाला के मुख्य अतिथि, प्रोफेसर शांतनु चौधरी, निदेशक, आईआईटी जोधपुर ने एआई के महत्व और अनुसंधान समुदाय पर इसके प्रभाव पर अपना उद्घाटन भाषण (ऑनलाइन मोड) दिया है। कार्यशाला कार्यक्रम, जिसमें स्नातकोत्तर और पीएचडी विद्वान भाग लेंगे। 22-29 जुलाई, 2023 के दौरान आयोजित किया जाना है, जिसमें अनुसंधान, शिक्षा और उद्योग के वक्ता और अभ्यासकर्ता शामिल होंगे।

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In a first, Hoogly manufacturers will receive training on green firecrackers

CSIR-NEERI

24th July , 2023

Kolkata: The firecracker manufacturers from Hooghly district, for the first time, will be receiving training on the manufacture of green fire crackers from CSIR NEERI (National Environmental Engineering Research Institute) on Monday and Tuesday. 50 odd manufacturers will be a part of the two-day training programme at Mansatala area.

The directorate of micro, small and medium enterprises of Bengahad had written to NEERI requesting them to provide training to the cracker manufacturers in view of the Supreme Court directive that said no firecrackers should be used apart from the green ones. After the training in Hooghly, the NEERI team led by its chief scientist Sadhana Rayalu will be imparting a hands-on training from July 26-30 at Jhowtala area in South 24 Parganas.

Representatives from 200 manufacturing units will be joining the five-day training programme in batches. The inaugural programme that will be held at Batanagar Sports Club which is expected to be attended by Dilip Mondal, minister of state transport department, Rajesh Pandey, principal secretary of state MSME department, Rayalu from NEERI, to name a few, Sukdev Naskar of Pradesh Atasbazi Byabsayee Samity said. NEERI, in December last year, had provided hands-on training in production of green crackers at Nandarampur village in South 24 Parganas. 100 odd manufacturers from different parts of the state — namely Howrah, Hooghly, Midnapore and different parts of South 24 Parganas joined the session. NEERI has developed new formulations without use of barium nitrate in the presence of additives with reduction in emissions as there has been litigation regarding use of barium nitrate in manufacturing of firecrackers.

“There should be efforts by the government to increase the primary and basic infrastructure for production by giving legal sanctions to small manufacturers for the production activities of green crackers. It will help in tackling the problem of scarcity of green crackers.

The people should be made aware of the benefits of green crackers too to mitigate the problem of air pollution,” environmental scientist Swati Nandy Chakraborty said.

CSIR to study impact of tunnelling for new rail line

CSIR

23rd July , 2023

THIRUVANANTHAPURAM: The Vizhinjam International Seaport Limited (VISL) has entrusted the Council of Scientific and Industrial Research (CSIR) to conduct a study to assess the impact of tunnelling process to be conducted for the proposed railway line connecting Vizhinjam International Seaport to the railway network at Balaramapuram.



The ministry of environment and forests (MoEF) has directed VISL to hold the study prior to issuing consent for the project. In the meantime, VISL has initiated land acquisition proceedings for the project even before availing consent from MoEF.

“The ministry has asked us not to hold a fresh environmental study, but just a vibration analysis inside the tunnel to assess the environmental impact during tunnelling. Environmental, geological and seismic studies were already done, and the ministry has asked us to conduct the tunnelling impact due to a change in alignment,” an officer of VISL said.

As per the first detailed project report, 10.7km of the railway line was supposed to be passing through land. Due to land acquisition difficulties, VISL was forced to change the alignment so as to limit land acquisition. So a new alignment was prepared and as per it 9.02km of the railway line passes through the tunnel.

“It was due to this change, the ministry asked us to hold a fresh study to analyse the geological impact during tunnelling. Since we have the most advanced technologies and expert hands for tunnelling, the work can be done without any impact on the environment. The study

by CSIR has been initiated and without much delay we will be able to submit it for project approval from the ministry,” the officer of VISL said. The ministry had earlier given clearance for the proposed project, but it was revoked later due to a change in the alignment.

As per the new alignment, land acquisition is required only at the entrance of the tunnel at Vizhinjam and end of the tunnel at Balaramapuram. Now, only 1.5km of the railway line passes through land and the southern railway has approved the detailed project report (DPR) of the project in principle, which involves land acquisition of 6.431 hectare of land, in 2021. The land will be acquired from Balaramapuram, Athiyannur, Pallichal and Vizhinjam revenue villages. The state accorded administrative sanction to district collector earlier for land acquisition for the project as well. The total cost of the project has been estimated at Rs 1,032 crore, including a cost of Rs 154.20 crore for land acquisition.

CSIR-IHBT

23rd July, 2023

27 एकड़ भूमि पर लगाई नींबू घास

संवाद सहयोगी, पालमपुर : सीएसआइआर-आइएचबीटी पालमपुर संगंधित फसलों की खेती को बढ़ावा देने के लिए अरोमा मिशन तृतीय चरण के अंतर्गत प्रयासरत है। इसी मिशन के तहत संस्थान द्वारा ऊना जिला के चोकी मनियाड पंचायत व कांगड़ा जिला के परागपुर ब्लॉक के लग बलियाना पंचायत में संगंधित फसल नींबू घास की उन्नत खेती और प्रसंस्करण पर पौध वितरण, जागरूकता एवं प्रशिक्षण कार्यक्रम आयोजित किए गए। सीएसआइआर-आइएचबीटी की टीम ने नींबू घास की खेती के लिए संभावित स्थानों का सर्वेक्षण किया, लोगों को अरोमा मिशन तृतीय चरण के बारे में जागरूक किया और 27

एकड़ भूमि के लिए नींबू घास के तीन लाख स्लिप्स का वितरण किया। डा. राकेश कुमार वरिष्ठ प्रधान विज्ञानी एवं सह नोडल अधिकारी अरोमा मिशन ने बताया की नींबू घास बहुवर्षीय एवं बार-बार काटी जा सकने वाली घास है। इसकी पत्तियों से संगंध तेल प्राप्त होता है। नींबू घास के तेल की कीमत 1400-1700 रुपये प्रति किलो है। प्रति कनाल औसतन 8-10 क्विंटल घास एवं 5-6 किलो संगंधित तेल की प्राप्ति हो जाती है। संस्थान के निदेशक डा. सुदेश कुमार यादव ने बताया कि अरोमा मिशन के अंतर्गत संगंधित फसलों को बढ़ावा देने के लिए संस्थान जागरूकता एवं प्रशिक्षण शिविर आयोजित कर रहा है।



जागरूकता कार्यक्रमों के दौरान किसानों के साथ सीएसआइआर के अधिकारी • जागरण

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CUK holds workshop on patents, innovative practices

CSIR-IIIM

22nd July , 2023

Department of Biotechnology, Central University of Kashmir (CUK), in association with Skill development initiative of CSIR-IIIM, Jammu and IIIM-Technology Business incubator under the aegis of National Intellectual Property Rights (NIPR), organised a one-day IPR awareness workshop at Science Campus here on Friday.



Speaking on the occasion, Dean School of life sciences, Prof. M Yousuf, emphasized on the scope that the valley has due to its topography for mushroom, and saffron cultivation.

In his address, Director Campus and Head, Deptt of Biotechnology, Dr. Abid Hamid Dar, emphasized on the importance of innovation in academia as the world is fast changing and adapting skill and entrepreneurship development for economic upliftment. He highlighted the significance of IPR in research and its importance in achieving sustainable goals for the nation.

Senior Scientist, CSIR-IIIM, Jammu, Dr. Kancherla Prasad, emphasised on patent drafting, patentability, infringement analysis, IPR education, Copyright, Trademark, GI tags, Plant breeders rights, etc.

Coordinator/CEO, IIIM-TBI, CSIR-IIIM, Jammu, Er. Ankush Varma, highlighted the significance of developing and establishing entrepreneurship and start-up ecosystems in Universities and research institutes that will encourage and foster innovative ideas from young students and researchers.

He stressed on the fact that J&K has a huge potential in the innovation and entrepreneurship that needs to be explored by budding minds and researchers. He assured the assistance of the incubation centers of CSIR-IIIM in guiding the innovators and researchers towards product development and commercialization.

Dr. Abid proposed the vote of thanks to the participants, especially the organizing members, including Dr. Owais M. Bhat.

CSIR-CECRI's 'One Week One Lab' campaign from Monday

CSIR-CECRI

21st July , 2023

Beginning Monday (July 24), for the next seven days, the CSIR-CECRI, Karaikudi is organising “One Week One Lab” campaign, said its director K. Ramesha here on Friday.

Speaking to reporters, he said the campaign had been planned to showcase the legacy, achievements and R and D activities of CSIR-CECRI in the areas of corrosion protection, conventional and modern batteries, preparation of industrially-important chemicals, electroplating, electrochemical sensors and clean/sustainable energy.

Around 5,000 visitors were expected to participate in the campaign, Dr Ramesha said and added that students, researchers, academicians, investors, micro entrepreneurs, government officials and public would benefit from the programme. He further said that on the opening day, a curtain raiser of the OWOL and the CECRI would be held. On the second day, the 76th Foundation Day celebration of CSIR-CECRI and corrosion awareness would be held..

The next three days would have programmes such as student connect, energy technology meet and electroplaters' meet in Madurai and valedictory event in Karaikudi., he added.

Published in:

[The Hindu](#)

CSIR-NEERI holds awareness session on IPR

CSIR-NEERI, IPU

21st July, 2023

CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) and CSIR-Innovation Protection Unit (CSIR-IPU), New Delhi jointly organized an interactive session on Intellectual Property Rights (IPR) recently at CSIR-NEERI on the occasion of Azadi Ka Amrit Mahotsav (AKAM). Dr. Shikha Rastogi, Sr. Principal Scientist, CSIR-IPU, Dr. Gaurav Krishnan, Sr. Principal Scientist, CSIR-IPU, New Delhi and Mrs. Chayya Satpute, IPR Expert, Ex-Official, RGNIIPM were the resource persons. Dr. Atul Vaidya, Director, CSIR-NEERI presided over the event. The scientific, technical and research staff took part in the IPR awareness session.



Dr. Shikha Rastogi discussed various issues regarding IPR, patentable and non-patentable inventions, patentability Criteria, identification of patentable invention for utility, strategic planning for securing IPR, requirements and procedures for filing the IPR, importance and benefits of IPR, filing, patent drafting, etc. Mrs. Chayya Satpute spoke about the role of patent information in technology development and types of IPR such as copyright, designs, GI and Trade Mark. Dr. Gaurav Krishnan highlighted various issues emerging after grant of patents in India and abroad.

Dr. Atul Vaidya, Director, CSIR-NEERI in his opening remarks stated the significance of IPR in the field of Science and Technology. The participants discussed various issues regarding IPR such as intellectual property filing and steps towards marketing and commercialization of intellectual property.

Dr. Sushant B. Wath, Principal Scientist and IPR Coordinator, CSIR-NEERI conducted the proceedings and briefed about the IPR status, IP policy and filing procedures of CSIR-NEERI, and gave an overview of the training programme and its objectives to all the participants.

Er. Prateek Dwivedi, Technical Officer, CSIR-NEERI gave the vote of thanks to the lead discussants and the participants.

Jamshedpur: School students and teachers visit National Metallurgical Laboratory

CSIR-NML

21st July , 2023

City-based National Metallurgical Laboratory (NML) organised a visit to the laboratory on Friday. The program was organized under “Rashtriya Boudhik Sampada Mahotsav” a campaign under “Azadi ka Amrut Mahotsav” and conducted under CSIR-Jigyasa Virtual Lab Integration Program. The main objective of the program was to enhance scientific temperament among school students and also create awareness about intellectual property rights.



In all, 189 students and five teachers from Jamshedpur Public School, BPM High School and Kasidih High School visited the CSIR laboratory to attend the program.

An inaugural programme was arranged and the inaugural programme started with a welcome address delivered by Mita Tarafder, Head of the KRIT Division. In her address, she briefly talked about CSIR and various research activities taken up by the laboratory.

She also discussed today's IP awareness program under “Rashtriya Boudhik Sampada Mahotsav”. Animesh Jana, Senior Scientist and PL CSIR Jigyasa Virtual Laboratory Project delivered a lecture on the CSIR-NML Jigyasa Program and the importance of scientific-social responsibility under the CSIR-Jigyasa Virtual Laboratory Project.

He described the different activities taken up by CSIR-NML in Jigyasa Program. The program included visits to some research laboratories like AAC, Creep, Engineering workshops and museum, archives and library.

Students and teachers also participated in the lecture session on “Intellectual Property (IP) Rights-An awareness program for school students” organised by RPBD Division of CSIR-NML.

S.K. Pal, Chief Scientist & Head, RPBD Division, CSIR-NML addressed the school students and teachers.

The lecture session was followed by a Science Quiz. The programme concluded with a vote of thanks and group Photographs by all participants.

Two-Day Workshop And Training Programme On ACTP-2023 Organised At CSIR-IMMT Bhubaneswar

CSIR-IMMT

21st July , 2023



Bhubaneswar (Kalinga Voice); In continuation of diamond jubilee celebration of CSIR-Institute of Minerals and Materials Technology (IMMT) Bhubaneswar, a two-day workshop and training programme on “Advances in Corrosion Technology and Prevention (ACTP-2023)” has been organized on 20th – 21st July 2023. The welcome address was given by the chairman of the workshop Dr. R. Sakthivel, Chief Scientist, IMMT and the programme is steered by convenor Dr. Sourav Ganguly. The inaugural address is delivered by the Director of the institute Dr. Ramanuj Narayan. He emphasized the importance of this workshop in today's context. This workshop provides an excellent opportunity for corrosion practitioners, designers, technical managers, inspection, and maintenance engineers, quality control personnel, and individuals involved in failure analysis to enhance their understanding of corrosion and stay updated on emerging technologies for corrosion control and prevention. Mr. Sanjay Kumar Vasudevan, Executive Director, South Eastern Region Pipelines (SERPL), IOCL, Bhubaneswar graced the occasion as Chief Guest. He has deliberated on the problems of corrosion in oil companies, particularly, in pipelines. In India, corrosion is estimated to impact around 4% of India's GDP. Hence, it is of extreme importance to gather comprehensive understanding of corrosion, devise innovative designs, and implement technical solutions.

Shishir Kumar Patra General Manager, HAL graced the occasion as the guest of the honour. He presented the role of protective coatings in the aerospace sector and emphasises the role of advancements in corrosion prevention technology including different types of coatings used in aeroengines. One keynote and twelve invited talks were delivered by domain experts on the problems of corrosion and its mitigation. Followed by the technical sessions, various lab visits and hands-on-training of testing equipment were conducted. This workshop cum training program was attended by more than 150 participants including students, researchers, scientists, academicians, industry personnels from various parts of the country. Manoj Kumar, Co-Convenor and scientist at IMMT proposed vote of thanks for successful completion of the workshop and training program.

सीएसएमसीआरआई में बौद्धिक संपदा अधिकारों पर प्रशिक्षण आयोजित



भावनगर। आजादी के अमृत महोत्सव के बैनर तले 01 से 30 जुलाई, 2023 के दौरान देश में मनाए जा रहे राष्ट्रीय बौद्धिक संपदा महोत्सव के दौरान, सीएसआईआर-केंद्रीय नमक और समुद्री रसायन अनुसंधान संस्थान, भावनगर, ने 20 जुलाई को

शैक्षणिक और अनुसंधान के लिए बौद्धिक संपदा अधिकारों पर एक प्रशिक्षण कार्यक्रम आयोजित किया। सीएसएमसीआरआई के वरिष्ठ वैज्ञानिक और पीआरओ, डॉ. कान्ति भूषण पाण्डेय ने बताया कि

सीएसआईआर, नई दिल्ली मुख्यालय के आईपीयू से आमंत्रित डॉ. सीमाने पेटेंट पर विशेष जोर देने के साथ

आईपी जागरूकता पर व्याख्यान दिया। कार्यक्रम के समन्वयक डॉ. शिवाजी घोष ने बताया कि आईपीआरन केवल अनुसंधान बल्कि हमारे दैनिक जीवन में भी बहुत महत्वपूर्ण भूमिका निभा रहा है। समारोह में सीएसएमसीआरआई के निदेशक डॉ. कन्नन श्रीनिवासन, बिजनेस डेवलपमेंट प्रमुख डॉ. कमलेश उपस्थित रहे। कार्यक्रम का संचालन डॉ. कांडीबन ने किया।

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