

CSIR IN MEDIA



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CSIR chief calls for focused efforts to popularise rubber cultivation

CSIR-NIIST

14th March , 2023

National scientific institutions should make interventions to popularise the cultivation of rubber at a time when global demand for the commodity is rising, according to N Kalaiselvi, Director-General, Council of Scientific and Industrial Research (CSIR) and Secretary, Department of Scientific and Industrial Research (DSIR).



“We have to try to project rubber across the country as a climate-resilient and all-region crop, and expand it to wherever possible. The CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, should take this up as a challenge,” Kalaiselvi said while inaugurating the ‘One Week One Lab (OWOL)’ programme here.

Kerala’s track record

Kalaiselvi remarked since Kerala is known for its track record in rubber cultivation, NIIST can work with farmers and turn it as an end-to-end support system to create better employment opportunities.

“We depend on a lot of countries for sourcing rubber-based products, whether it is tyre or value-added rubber products. When the country is talking about Atmanirbhar Bharat, self-reliance, and Make in India initiatives, CSIR-NIIST has to take up the new initiative by trying to promote more farmers into rubber cultivation and help them earn a cherishable income,” Kalaiselvi said.

Focus on coir and spices sectors

NIIST can also promote interventions in the coir and spices sectors of Kerala. The CSIR Director-General urged each researcher to adopt one industry problem, address it and come up with a solution in a maximum of three years.

She described CSIR-NIIST technology for generating eco-friendly manure from biomedical waste, and leather products from agricultural waste as “magic” when speaking with newsmen.

Among those in attendance were at C Anandharamakrishnan, Director, CSIR-NIIST, Thiruvananthapuram, and Javed Iqbal, Chairman, CSIR-NIIST Research Council.

Women's Day celebrations kick off at NML Jamshedpur

CSIR-NML

14th March , 2023

The “International Women’s Day Celebrations” kicked off today at CSIR-NML. The theme of today’s program was “#EmbraceEquity” – The theme of International Women’s Day 2023. Dr. Sugeeta Upadhyay, CEO of Maharashtra Economic Development Council was the chief guest of the program. In her address, Dr. Upadhyay spoke about the long term vision of Jamshedji Tata who was ahead of his time and



recognised the importance of investing in youth and especially women. By introducing the JN Tata Endowment for Higher Education in 1892, she also added that today parity between the enrolment between men and women has never been achieved although addressing the same was always a priority in our education policies.

Emphasising on women education, she explained how education increases the labour force output by improving the quality and are the source for self-sustaining economic growth process.

While welcoming the gathering, Dr. M. Tarafder, Senior most Scientist, CSIR-NML appreciated the women employees and emphasised on the Gender Gap Index and the theme “EmbraceEquity” and she mentioned that “at CSIR-NML, women employees are our strength”.

Dr. Sanchita Chakravarty, Chief Scientist & Chairman of the function introduced the Chief Guest and briefed about the whole programme.

The Chief Guest, Dr. Sugeeta Upadhyay felicitated all the four invited dignitaries – Dr. Jaya Moitra, Dr. Minakshi Mishra, Mrs. Sutapa Roy and Mrs. Reena during the programme. The Cultural programme was organised by women employees. In addition to this Food Stall, Rangoli, Mehndi, Art competitions were also organised by the women employees and their family members on this occasion.

On this occasion, two women janitorial staff were felicitated for their dedicated work during the year.

Aditya Mainak, Administrative Officer, CSIR-NML proposed the vote of thanks and expressed her appreciation to all the members of the organising committee for their untiring effort in making the programme a success.

High-end workshop on Lab Animal Techniques inaugurated at CSIR-IIIM

CSIR-IIIM

14th March , 2023

CSIR- Indian Institute of Integrative Medicine (IIIM) Jammu today started a week long high-end workshop under the theme “Hands-on Workshop on Laboratory Animal Techniques for Preclinical Research”.



The workshop sponsored by Department of Science & Technology – Science and Engineering Research Board (SERB),

Government of India as part of Accelerate Vigyan, was inaugurated by Director CSIR-IICT Hyderabad and CSIR-IIIM Jammu, Dr D Srinivasa Reddy, who was the chief guest on the occasion. Abdul Rahim, Head RMBD&IST was guest of honour.

Dr D Srinivasa Reddy, in his address, said that the drug development is very important and critically required to meet the needs of mankind. He said the workshop on Laboratory Animal Techniques for Preclinical Research would surely be beneficial and improvise the skill of researchers working in pre-clinical drug development. During the inaugural session, a handbook on Laboratory Animal Techniques for Preclinical Research was also released.

Earlier Dr Zabeer Ahmed, Chief Scientist and Head Pharmacology Division, informed that the curriculum of workshop has been design after taking due care about the various requirements of researchers.

Dr Boobalan Gopu, Scientist and Co-ordinator of the Workshop while speaking on the occasion discussed the sub-areas to be covered by the guest speakers and various components to be taught during hands on training.

Pertinently, the Accelerate Vigyan Schemes provides young potential researchers, an opportunity to learn hands on high end scientific research in premier institutions and empower them the requisite skill for undertaking future research assignment.

Dr Anindiya Goswami, Dr Tasduq Abdullah and Dr PN Gupta (Senior Principal Scientists), Dr M Jamal Dar, Dr Govind Yadav and Dr Ajay Kumar (Principal Scientists), Dr Utpal Nandi and Dr Sreedhar Madishetti, (Senior Scientists), Dr Ramanjayan Pandian (Scientist), Asha Bhagat (Principal Technical Officer), Dr Sanket Shukla (Senior Technical Officer and Bhavna Vij (Technical Officer) were present on the occasion.

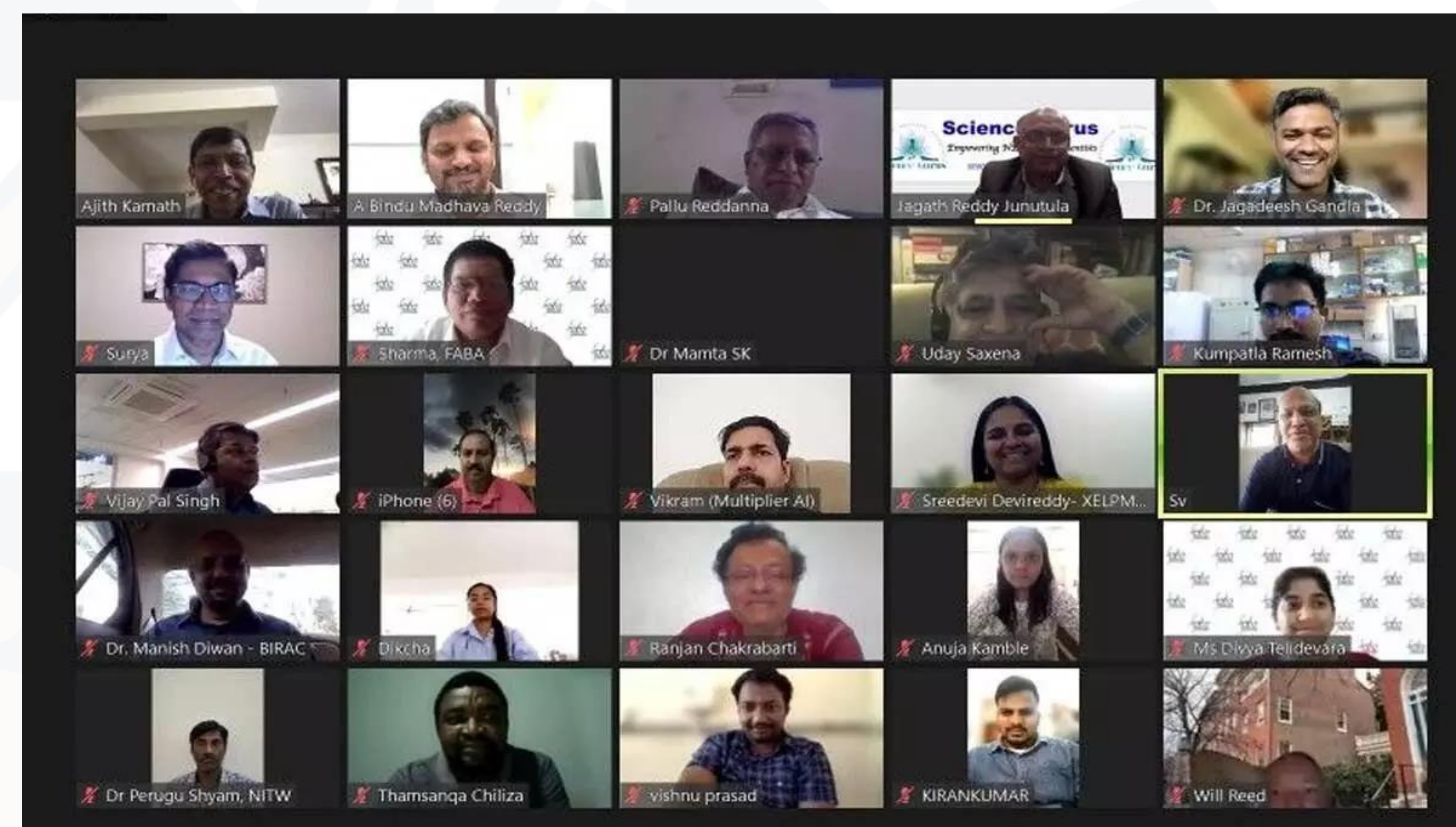
Dr Shashank Singh (Senior Principal Scientist) presented the vote of thanks while as Dr Gurleen Kour (Scientist) conducted the proceedings.

CDRI chief bats for pharma & tech collaboration

CSIR-CDRI

14th March , 2023

Three weeks virtual workshop on 'The Drug Discovery and Development' till April 2nd, 2023, was organised FABA & Science Gurus and inaugurated by Dr Radha Rangarajan, Director of CSIR-CDRI here on Monday.



Dr Rangarajan, emphasised on developing drugs for India: Opportunities and challenges, and the importance of drug discovery in improving healthcare.

She also addressed unmet medical needs, the role of AI/ML in next-generation drug discovery programs and how quickly they could develop some of the novel molecules and speed up the process of clinical trials. She highlighted how IT/the technology-driven Indian service sector can become partners in this space. During her address, she highlighted the role of Academia-Industry interactions, pharma startup's in the development of important drug candidates in the field of neglected tropical diseases, antimicrobial resistance etc. She also urged the participants to make the most of this opportunity and enhance their skills and knowledge in this field. Dr Radha Rangaranjan, Director, CSIR-CDRI

Prof P Reddanna, Executive President, FABA has given opening remarks on behalf Federation of Asian Biotech Association, followed by Dr Ajith, Kamath, Advisor of Pandorum technology who mentioned about FABA and FABA Academy's key role to fill the gap between Academia and Industry. Additionally, Dr Jagath Reddy Junutula, Board Chairman, Science Gurus, Co-founder, President & CEO, stated Science Gurus that fosters in developing of NextGen Scientists and drug discovery & development and therapeutics also interacted with

participants, to understand the aim of the workshop which provides a platform for young researchers and scientists to enhance their skills and knowledge in the field of drug discovery and development.

Around 100 participants from various research Institutions and Universities across the globe such as Bangladesh, Pakistan, South Africa, Nigeria etc. The main emphasis of this workshop is to provide a valuable platform for young scientists and researchers to enhance their skills and knowledge in drug discovery and development and contribute to the development of new and effective drugs for various diseases.

New study sheds light on effectiveness of homoeopathy medicines

CSIR-AMPRI

13th March , 2023

A three-year study by two Bhopal-based institutes with indigenously developed experimental setup has confirmed that each homoeopathy medicine has its own electromagnetic signature under excitation frequency. The study was published by Elsevier's Science Direct, the academic publishing company whose journals include the Lancet.



Bhopal's CSIR-advanced materials and processes research institute (AMPRI) and government homoeopathic medical college and hospital (GHMCH) Bhopal took part in the study.

“Study confirms that homoeopathic medicines have electromagnetic energy even when the medicine is in very small concentrations. They have been effective in treating various ailments in patients by reviving the vital natural energy (immunity) to fight diseases,” authors said.

“It is a big win for molecular homoeopathy. Instrument for detecting homoeopathic medicine and their potency for quality control is not a dream anymore,” said study co-author and GHMCH professor, Dr Nisanth Nambison.

CSIR-AMPRI, senior principal scientist and the head of the intelligent materials and advanced processes division HN Bargaw lead the team from CSIR. His research interests are primarily in field of smart material-based actuator development and intelligent control systems, machine learning, and analytical instrumentation.

Others who took part in the study include Mohit Sharma, Avanish Kumar Srivastava, Manoj Kumar Gupta, Mahendra R. Jadhav, Khushwant Singh Gavel, Prabhat Kumar Baghel, Meraj Ahmed, who are all from AMPRI.

Advanced Management Development Program Begins In Bhubaneswar

CSIR-IMMT

13th March , 2023

An Advanced Management Development Program (AMDP) on “Innovation, Incubation and Intellectual Property Rights” sponsored under ESDP scheme of Ministry of MSME, is being organized by School of Enterprise Management, National Institute for Micro, Small and Medium Enterprises (ni-msme) (An organization of Ministry of MSME, Government of India & ISO 9001:2015



Certified), Hyderabad in association with CSIR-IMMT (Council of Scientific and Industrial Research, Ministry of Science and Technology, Government of India), Bhubaneswar from March 13 -18, 2023 at Shanti Swarup Bhatnagar Hall of the Institute in Bhubaneswar.

The major objective of this residential intensive training program (conducted in offline mode) is to train and nurture the participants on various aspects of Innovation, Incubation and IPR and to make them ready for the entry to entrepreneurial and allied sectors.

This program is attended with about 60 participants including Entrepreneurs, Startups, aspiring technologists from various R&D Institutes and Universities from different parts of the country such as Assam, Maharashtra, Telangana, Andhra Pradesh, Kerala, Tamilnadu, Westbengal and Odisha.

The program includes theory and practical sessions, interactions, demonstrations, lab visit and a field / industrial visit spanning over six full days, wherein the participants get a very insightful knowledge on the practical aspects of Innovation, Incubation and Intellectual Property Rights.

The Inaugural function is being held on March 13, 2023 at 9:30-10:30 AM and Dr Glory Swarupa, Director General, National Institute for MSME (nimsme), Hyderabad as the Chief Guest addressing the program and delivering the inaugural speech.

Dr G Narahari Sastry, Director, CSIR-IMMT has given the opening remarks and V Swapna, Associate Faculty (ni-msme) & Programme Director addressed the participants briefing about ni-msme activities.

Dr A K Sahu, Chief Scientist, Dr Y S Chaudhary, Senior principal Scientist, Dr D S Rao and Dr T Pavan Kumar, Senior Scientist and Convener of this workshop were among the other who played key role in fruitful conduct of the program.

Inaugural event was being graced by about 200 invitees including the program participants, making it a great beginning .

Himachal Pradesh may have more Tulip Gardens in near future

CSIR-IHBT

12th March , 2023

Encouraged by the huge tourist turnout at Himachal Pradesh's (HP) first Tulip Garden at Palampur, the government may develop more Tulip Garden to boost tourism in the state. Stating that more than 40,000 tourists visited the Tulip Garden in just two weeks time of the opening, Dr Shashi Bhusan, principal scientist at Council of Scientific and Industrial Research (CSIR)-Institute of



Himalayan Bioresource Technology (CSIR-IBHT) informed that during the recent visit of chief minister (CM) Sukhvinder Singh Sukhu asked the Kangra deputy commissioner Dr Nipun Jindal to explore more suitable locations in the region for developing such gardens.

The first Tulip Garden of HP was opened in February 2022 at the CSIR-IHBT campus, Palampur giving recognition to the hill city as Tulip City.

Dr Prabodh Kumar Trivedi, Director of CSIR-IHBT said "CSIR-IHBT Palampur has been working on tulip agrotechnology since 2018 and has discovered cold dessert locations (>2400 meter altitude) in Lahaul (HP) and Ladakh (Jammu and Kashmir Union Territory) which were ideal for its bulb production," adding that the tulip garden in the institute was established using locally produced bulbs and this year, 45,000 tulip plants of 12 varieties were grown.

He said by adopting innovative agrotechnological approaches to crops such as tulips, the institute was making concerted efforts to promote sustainable farming practices, empowers local farmers, and reduce the country's import burden.

Shashi Bhusan informed Tulips, in general, were excellent flowers for the garden and as cut flowers for vase decoration. For more than five decades, the tulip had held a prominent place among the world's top 10 finest cut flowers. Tulip flowers were high in demand on the international market due to their gorgeous blossoms in a variety of hues and shapes. Eom

Experts stress upon ethics, use of simple language for science in Hyderabad

CSIR-IICT

12th March , 2023

At a time when science is breaking new barriers every day, helping people usher in the new age of development and technology, the issue of communicating ideas to people around the globe and the matter of ethics take utmost importance. “In India, science has to be communicated in various languages to percolate through people, said Pallava Bagla, a science photojournalist. He was speaking on the fifth day of the “One Week One Lab” campaign at CSIR-IICT. The theme for the day was ‘Science Communications and Ethics in Science’.



He pointed out that science done in secrecy does not benefit anyone, making science communication vital. However, he pointed to the classified nature of defence projects since it is for the security of people. While urging scientists to refrain from using jargon and ‘almost-indecipherable’ technical language, he asked them to take measures to win the trust of people.

Chief guest of the event, Dr Manoj Dhar, director of the Academy of Scientific and Innovative Research (AcSIR), said good research is connected with data and work. “Data, in turn, depends on the sources of collection,” he remarked. He said plagiarism has to be avoided and urged scientists to give citations and acknowledge the work of other researchers. He elaborated on ethics that included sharing facilities, conducting experiments that involve humans and animals, the environment, the responsibility of authors and referees, among other things.

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Salooni farmers take up marigold cultivation

CSIR-IHBT

12th March , 2023

The cultivation of wild marigold flower under the Aroma Mission is helping Salooni region farmers become self-reliant. The Institute of Himalayan Bioresource Technology (IHBT), Palampur, has implemented the project in coordination with the agriculture and horticulture departments.



Progressive farmer Prahlad Bhagt, who hails from Suri gram panchayat of Salooni subdivision in Chamba district, is one of the successful flower growers in the region.

As the damage was caused to traditional agricultural produce by wild animals, the initiative was taken with the cultivation of wild marigold at Pakhed village in Suri panchayat. The Chamunda Krishak Society, Chakoli-Meda, has, at present, over 400 farmers in the group.

Bhagt says, “I have been working on wild marigold and some herbs for about 15 years. Since 2012, I have solely focused on the cultivation of wild marigold and started earning income by extracting oil. The IHBT had set up an oil distillation unit for our society.”

The concentrated oil of wild marigold sells locally at Rs 10,000 to Rs 12,000 per kg. He is earning an annual income of Rs 1 lakh to Rs 2 lakh from wild marigold farming, Bhagt says.

The district administration signed an MoU with the CSIR-IHBT, Palampur, in 2021 to promote the cultivation of aromatic and medicinal plants, besides providing technical information, plants, distillation units and market for the sale of finished products to the local

farmers. Salooni Horticulture Development Officer Dr Anil Dogra says the setting up of oil distillation unit at Pakhed village has encouraged farmers to cultivate wild marigold.

The Chamunda Krishak Society has produced about 250 kg oil over the past three years. The Palampur institute had established 13 intensive oil distillation units at different places in the district, he added.

CSIR-CSMCRI

11th March, 2023

सीएसएमसीआरआई में अंतरराष्ट्रीय महिला दिवस पर सप्ताह समारोह सम्पन्न

भावनगर। सीएसआईआर-केंद्रीय नमक व समुद्री रसायन अनुसंधान संस्थान (सीएसएमसीआरआई), भावनगर में अंतरराष्ट्रीय महिला दिवस के उपलक्ष्य में 1 मार्च से एक सप्ताह के समारोह का आयोजन किया गया जिसका समापन 10 मार्च को हुआ। सप्ताह का शुभारंभ एक भव्य आयोजन से किया गया जिसमें मुख्य अतिथि राजकुमारी बृजेश्वरी कुमारी गोहिल, संस्थापक, भावनगर हेरिटेज प्रिजर्वेशन सोसाइटी और वाइस प्रेसिडेंट प्रिंसेप्स ऑक्शन हाउस एंड गैलरी रहीं। इस उपलक्ष्य में नृत्य, नाटिका और कविता पाठ का आयोजन किया गया। 3 मार्च को कैंसर विशेषज्ञ डॉ. विविधा दुबे द्वारा स्तन कैंसर जागरूकता पर

चर्चा, 6 मार्च को मनोविज्ञानी नीता यादव 'महिला मानसिक स्वास्थ्य



और कार्य-गृह जीवन संतुलन, तनाव प्रबंधन' पर चर्चा, संविदा महिला कर्मचारियों के लिए चिकित्सा शिविर, तथा तत्काल ड्राइंग प्रतियोगिता का आयोजन किया गया। 10 मार्च को समापन समारोह में मुख्य अतिथि, डॉ. नम्रता चिंदारकर, एसोसिएट

प्रोफेसर और चेयर जेएसडब्ल्यू स्कूल ऑफ पब्लिक पॉलिसी,

भारतीय प्रबंधन संस्थान, अहमदाबाद का व्याख्यान हुआ। इस दौरान संविदा कर्मचारियों की पुत्रियों को शिक्षा में बढ़ावा देने हेतु स्टेशनरी का वितरण भी किया गया। इसकी अध्यक्षता संस्थान के

निदेशक प्रो. कन्नन श्रीनिवासन ने की। कार्यक्रम की संयोजक डॉ. सुवर्णा मैती ने कहा कि अंतरराष्ट्रीय महिला दिवस का अर्थ किसी जेंडर विशेष से प्रतिस्पर्धा नहीं बल्कि एक महिला के रूप में खुद को सशक्त करना है।

CSIR-CDRI

11th March, 2023

अनुसंधान में महिलाओं की भूमिका सीमित : डॉ. रंगराजन

कार्यालय संवाददाता, लखनऊ

अमृत विचार: केंद्रीय औषधि अनुसंधान संस्थान (सीडीआरआई) की निदेशक डॉ. राधा रंगराजन ने कहा कि विज्ञान के क्षेत्र में महिलाओं की सक्रिय भागीदारी सुनिश्चित करने के लिए उचित नीति एवं प्रणाली की आवश्यकता है। प्राचीन काल में विज्ञान के क्षेत्र में महिलाओं के योगदान को सही पहचान नहीं मिल पाई। जिसकी वजह से अनुसंधान एवं विकास क्षेत्र में महिलाओं की भागीदारी महज 17 फीसदी तक सीमित है, इसमें भी महज 14 फीसदी महिलाएं विज्ञान एवं प्रौद्योगिकी क्षेत्र में कार्यरत हैं।



एनबीआरआई की महिला वैज्ञानिकों के साथ उपस्थित मुख्य अतिथि डॉ. राधा रंगराजन

अमृत विचार

महज 14 फीसदी महिलाएं विज्ञान और प्रौद्योगिकी के क्षेत्र में

यह बातें शुक्रवार को सीएसआईआर-एनबीआरआई में "जेन्डर एंड साइंस: नेवीगेटिंग दी

इंटरसेक्शन" विषय पर आयोजित व्याख्यान में दी। इससे पूर्व मुख्य अतिथि डॉ. राधा रंगराजन का परिचय कराते हुए सीडीआरआई के निदेशक डॉ. एके शासनी ने कहा कि भारत एक ऐसा देश है, जहां नारी के विभिन्न

देवी स्वरूपों की पूजा की जाती है। वहीं दूसरी ओर वास्तविक जीवन में अभी भी इन मूल्यों को अपनाने से हम दूर हैं। हमारे जीवन में नारी का प्रभाव विभिन्न स्वरूपों जैसे माता, बेटा, पत्नी आदि में देखने को मिलता है।

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