

CSIR in Media



75 Years of

CSIR Touching Lives

News Bulletin

24th to 31st May 2018



Tirupur Corporation to set up bio-CNG bottling unit

CSIR-CLRI

31st May, 2018

MoU signed with CLRI for project report preparation

The Tirupur Corporation is all set to build a bio-Compressed Natural Gas (bio-CNG) bottling plant where organic degradable wastes generated in the city would be converted into CNG that could be used to run automobiles. As the first step, the Corporation administration had now signed a Memorandum of Understanding (MoU) with Council of Scientific and Industrial Research- Central Leather Research Institute (CSIR-CLRI) for the preparation of Detailed Project Report and development of suitable technology.

“We are expecting to get the DPR prepared in six months and the project will come up under the concept of ‘waste to wheel’”, said City Engineer G. Ravi. P. Shanmugam, Principal Scientist at CSIR-CLRI who is also the project leader for the bio-CNG plant project, told *The Hindu* that the project would be implemented on public private partnership (PPP) model. “Under this, a new plant with the capacity of converting 100 tonnes of organic degradable waste per day into bio-CNG will be set up. Apart from that, we will also upgrade the 10 tonne capacity pilot biogas plant presently been functioning in Tirupur city and make it suitable for producing bio-CNG”, he said.

Currently, nearly 520 tonnes of mixed municipal solid wastes get generated every day in Tirupur city of which 100-odd tonnes were organic degradable wastes. The two plants would have a cumulative capacity to produce 300 bio-CNG cylinders per day (each cylinder holds 14 kg). “Each kilogram of CNG will cost much lesser than fossil fuels and give more mileage to the vehicles”, pointed out Mr. Shanmugam.

Published in:
[The Hindu](#)

CRRI to Inspect Gurupriya Bridge

CSIR-CRRI

31st May, 2018

Malkangiri: A 7-member team of the CSIR-Central Road Research Institute (CRRI) from Delhi arrived in Odisha today for a safety inspection of the Gurupriya Bridge that will connect the cut-off areas of Naxal-infested Malkangiri district. “For 3 days we will check the overall construction quality as well the safety aspect. We will also check what are the precautions taken and the materials used,” said CRRI team leader, G K Sahoo.

The members of CRRI will inspect the bridge for 3 days and submit a final report to the State government. Subsequently, preparations for inauguration of the bridge will begin, informed Odisha Works Department Secretary, Nalini Kanta Pradhan. “The trial has been done. If any defect is detected during the inspection, we will rectify it and then it will be opened to public,” added Pradhan.

The 910-meter-long bridge is expected to resolve the long-standing problems of communication for around 30,000 people of nearly 150 villages in the cut-off regions in and around Kalimela and Chitrakonda reservoirs. Several mishaps have delayed the completion of the bridge which is also being opposed by the Maoists. Amid such threats, security has been tightened along the bridge with round-the-clock surveillance through CCTV cameras.

The foundation stone for the bridge was first laid in 1982 by the then Chief Minister, JB Patnaik and again by Naveen Patnaik in 2000.

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[Odisha Tv](#)

Indian Scientists find new clues to Parkinson's

CSIR-IICB

30th May, 2018

Despite research over decades, scientists are yet to figure out the cause for the Parkinson's disease. One thing is clear that aggregation of a protein called alpha synuclein plays a key role in development of the disease. The aggregation pathway of this protein is subject of intense research. Studies so far have focused on protein aggregates, amyloid fibrils, which form late in the aggregation pathway. Researchers at the CSIR- Indian Institute of Chemical Biology (CSIR-IICB) in Kolkata have now proposed that alpha synuclein oligomers which come into the picture early in the aggregation pathway could be responsible for development of Parkinson's. They have shown that the protein in its native form, early oligomers and amyloid fibrils affect each other in the aggregation landscape. They used two amino acids to conduct their study in live neuroblastoma cells. The first one was glutamate, which happens to assist the formation of amyloid fibrils by facilitating generation of early oligomers. The second one was arginine, which inhibits amyloid fibril formation by inducing a large change in the shape of the native protein. The study has shown it is possible to monitor early events of the aggregation pathway when the native protein fluctuates in its monomeric states or when it forms early oligomeric molecules by using a combination of conventional methods and spectroscopy at the single molecule level. "We have shown that it is possible to monitor and understand the early events in aggregation. It gives us hope that a therapeutic molecule may be possible against early oligomeric molecules," Dr Krishnananda Chattopadhyay, leader of the research team, told India Science Wire. "The study establishes that glutamate acts as a facilitator and arginine acts as an inhibitor of the late stage of alpha synuclein aggregation. However, it is not clear if the observed effect is because of other cellular changes due to the addition of these molecules or direct interaction of these molecules with alpha-synuclein.

अब पौधे रखेंगे आपकी सेहत का ख्याल

मुकेश मेहरा • पालमपुर

अब आपकी सेहत का ख्याल पौधे रखेंगे। ये न केवल आपको तंदुरुस्त रखेंगे बल्कि घर के भीतर पैदा होने वाली हानिकारक गैसों को भी सोख लेंगे। सुनने में आपको यह जरूर अटपटा लगेगा लेकिन यह सौ फीसद सच है। यह संभव हुआ है पालमपुर स्थित कार्टिसिल ऑफ साइंटिफिक एंड इंडस्ट्रियल रिसर्च-इंस्टीट्यूट ऑफ हिमालयन बायो रिसोर्स टेक्नोलॉजी (सीएसआइआर-आइएचबीटी) के वैज्ञानिकों की बदौलत।

सीएसआइआर-आइएचबीटी पालमपुर ने अब तक ऐसे 12 पौधों का पता लगाया है और इनमें एलोवेरा, एरिका पाम, बारवटन-डेजी (जरबेरा डेजी), बोस्टोन-फरन, गुलदाउदी,



खुशखबरी

- घर के भीतर पैदा होने वाली हानिकारक गैसों को सोखकर स्वच्छ बनाएंगे घर का वातावरण
- सीएसआइआर-आइएचबीटी पालमपुर ने लगाया 12 पौधों का पता

फिलोडेनड्रोन, इंग्लिश-आइवी, पीस लिली, रबर प्लांट, स्नेक प्लांट, लघु सेंसेवेरिया व वीपिंग फिंग शामिल हैं। वैज्ञानिकों के अनुसार, विश्व स्वास्थ्य



सीएसआइआर-आइएचबीटी पालमपुर की ओर से तैयार किए गए पौधे। ये घर के अंदर मौजूद हानिकारक गैसों को सोख लेते हैं।

यू किया जा रहा है शोध

वैज्ञानिकों के अनुसार 32 फीसद लोग अर्बन एरिया में रहते हैं। इनमें 90 प्रतिशत लोग घरों के अंदर ही कार्य करते हैं। वैज्ञानिक विभिन्न कार्यालयों व घरों का माहौल तैयार कर इन पौधों को कमरों में रखकर समय-समय पर कमरों के वातावरण में बदलाव की जांच करते हैं। कार्यालय में लंच टाइम, छुट्टी व घर में मौजूद सदस्यों का भी ध्यान में रखा जाता है।

संगठन ने भी इस बात को माना है कि घर की दीवारों के रंग, रेफ्रिजरेटर, माइक्रोवेव, डयोडेंट, बूट पॉलिश, अमरबत्ती, गैस, परफ्यूम, बिल्डिंग मैटीरियल, हीटर,

इलेक्ट्रॉनिक उपकरणों व सिगरेट के धुएं से हानिकारक गैसों कार्बन डाइऑक्साइड, बैनजीन, ट्राइक्लोरो थाइलीन, जाइलीन, टॉयलीन व कार्बन मोनोऑक्साइड आदि

पैदा होती हैं। इन सभी गैसों को वोलाटाइल ऑर्गेनिक कंपाउंड (वीओसी) नाम दिया गया है। इन गैसों से लोग आंखों की जलन, जुकाम, गले में दर्द, दमा व निमोनिया आदि बीमारियों की चपेट में आते हैं। वैज्ञानिकों ने इन बीमारियों को सिक्क बिल्डिंग सिंड्रोम नाम दिया है। यदि उपरोक्त 12 पौधे अगर घर के भीतर रखे जाएं तो सिक्क बिल्डिंग सिंड्रोम से छुटकारा पाया जा सकता है। हानिकारक गैसों सोखने के बाद भी इन पौधों के स्वरूप में कोई बदलाव नहीं आता है। अगर पौधों की सही देखरेख हो तो ये लंबे समय तक रखे जा सकते हैं। इन पौधों की उपयोगिता अस्पताल, ऑफिस, स्कूल व इंडस्ट्रियल इकाइयों में काफी अधिक है। इन पौधों की खेती कर लोग आर्थिक स्थिति भी मजबूत कर सकते हैं।

पौधे ऐसे सोखेंगे गैसों

वैज्ञानिकों के अनुसार, ये पौधे पत्तों में मौजूद स्टोमेटा के माध्यम से गैसों को अवशोषित करते हैं और उन्हें जड़ों की सहायता से मिट्टी में डाल देते हैं। इस प्रक्रिया को फाइटो रेमिडिएशन कहा जाता है। हालांकि यह तय नहीं हो पाया कि कौन सा पौधा कितनी गैस सोखता है और कितने पौधे कमरे में रखने चाहिए। इस पर अभी शोध चल रहा है।

‘ऐसे मित्र पौधे मौजूद हैं, जो कि घर के अंदर की हानिकारक गैसों को सोखकर इंसान को बीमारियों से बचाते हैं। सीएसआइआर-आइएचबीटी के वैज्ञानिक ऐसे 12 पौधों पर रिसर्च कर रहे हैं। ये पौधे व्यापारिक व खेती की दृष्टि से भी महत्वपूर्ण हैं और आय का साधन बन सकते हैं।’

- डॉ. संजय कुमार, निदेशक, सीएसआइआर-आइएचबीटी पालमपुर

CSIR-Aroma Mission successfully launched in Sonitpur district

CSIR-CIMAP



In what can be described as a significant development in the field of cultivation of aromatic crops, the Council of Scientific and Industrial Research (CSIR), Government of India, has launched a project called Aroma Mission that is expected to help the farmers in boosting their income through cultivation of aromatic crops like lemon grass, citronella, rose, geranium and vetiver. The project was launched at Thelamara village in Sonitpur district covering more than 12 acres of land in October, 2017 by Dr. Girish Sahni, Director General, CSIR, and Prof. Anil Kumar Tripathi, Director, CSIR-CIMAP, Lucknow. The project was initiated for doubling the farmers'

29th May, 2018

income from their cultivation using the available infrastructure. The project was launched following a survey and an awareness programme at village Thelamara and the harvesting and distillation process was carried out successfully from May 23 to May 28 using a field distillation unit installed under CSIRs Aroma Mission project.

The current market value of the product, i.e., lemongrass and citronella oil, is Rs 1,100-Rs 1,200 per kg. The CSIR-CIMAP has also entered into collaborations with leading industries and manufacturers of fragrance for marketing with an objective of benefiting the farmers. The project was monitored by Dr. Alok Kalra, Principal Investigator, Aroma Mission and Dr. RK Srivastava, Nodal Officer for NER, with technical and logistic support from some faculty members of Tezpur University. It is projected that the mission will cover more areas in the region in coming years.

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[Sentinel Assam](#)

वैज्ञानिक सोच अपनाने पर जोर

सीबीआरआइ में जिज्ञासा कार्यक्रम के तहत इन-सर्विस कोर्स का किया आयोजन

जागरण संवाददाता, रुड़की : केंद्रीय भवन अनुसंधान संस्थान (सीबीआरआइ) रुड़की में सोमवार को जिज्ञासा कार्यक्रम के तहत केंद्रीय विद्यालय की ओर से इन-सर्विस कोर्स का आयोजन किया गया। इसमें स्नातकोत्तर शिक्षकों का ज्ञानवर्द्धन किया गया।

सीबीआरआइ के निदेशक डॉ. एन गोपालकृष्णन ने शिक्षकों को वैज्ञानिक दृष्टिकोण अपनाने की आवश्यकता पर बल दिया। साथ ही जिज्ञासा कार्यक्रम का अधिकाधिक लाभ लेने की बात कही। वरिष्ठ प्रधान वैज्ञानिक एवं जिज्ञासा कार्यक्रम के समन्वयक डॉ. अतुल कुमार अग्रवाल ने एक वैज्ञानिक यात्रा विषय पर व्याख्यान प्रस्तुत करते हुए शिक्षकों को संस्थान के इतिहास और उपलब्धियों के बारे में बताया। कहा कि खाद्य से खनन तक, भवन निर्माण से भू-विज्ञान तक, स्वास्थ्य, रसायन, ऊर्जा आदि जीवन के हर पहलू और प्रत्येक क्षेत्र के उत्थान में सीएसआइआर ने योगदान दिया है। बताया कि संस्थान प्रधानमंत्री ग्रामीण आवास योजना के अंतर्गत अगले पांच वर्षों में तीस लाख आवास के निर्माण के लिए तकनीकी सहायता एवं नवीन ग्रामीण आवास



सीबीआरआइ रुड़की में जिज्ञासा कार्यक्रम के तहत आयोजित इन-सर्विस कोर्स में शिक्षकों को जानकारी देते वैज्ञानिक • जागरण

तकनीकियां प्रदान कर रहा है। साथ ही उन्होंने युवाओं में वैज्ञानिक चेतना जगाने के लिए आयोजित जिज्ञासा कार्यक्रम के बारे में भी जानकारी दी।

सीएसआइआर-सिम्फर धनबाद के रुड़की स्थानीय केंद्र के प्रधान वैज्ञानिक डॉ. आरडी द्विवेदी ने सुरंग अभियांत्रिकी विषय पर व्याख्यान दिया। उन्होंने

विभिन्न प्रकार की सुरंगों, उनके निर्माण में उपयुक्त तकनीकों एवं उपकरणों और निर्माण एवं सुरक्षा प्रकरणों के बारे में जागरूक किया। उन्होंने हाल ही में उद्घाटन की गई भारत की सबसे लंबी सड़क सुरंग जम्मू-कश्मीर स्थित चेंनानी-नाशरी सुरंग के बारे में जानकारी दी। सीबीआरआइ के मुख्य वैज्ञानिक डॉ.

एस सरकार ने आपदा न्यूनीकरण एवं प्रबंधन और वैज्ञानिक ताबिश आलम ने सौर एवं उष्ण ऊर्जा संग्राहक विषय पर व्याख्यान दिया। इसमें केंद्रीय विद्यालय देहरादून, जम्मू, लखनऊ, भोपाल, चंडीगढ़ और जयपुर क्षेत्र के करीब 40 से अधिक भौतिक विज्ञान के स्नातकोत्तर शिक्षकों ने प्रतिभाग किया।

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Dainik jagran

प्रगति के लिए शांति पहली शर्त

■ जम्मू (आईएनएस)।

उपराष्ट्रपति एम. वेंकैया नायडू ने कहा कि प्रगति के लिए शांति पहली शर्त है और अगर सीमा पर तनाव रहता है तो विकास गतिविधियों पर ध्यान नहीं दिया जा सकता।

भारतीय समवेत औषध संस्थान (आईआईआईएम), जम्मू में सोमवार को वैज्ञानिकों, छात्रों और कर्मचारियों को संबोधित करते हुए उपराष्ट्रपति ने कहा कि राष्ट्रीय सुरक्षा और एकता के मुद्दों से किसी भी प्रकार का समझौता नहीं किया जाना चाहिए। उन्होंने कहा कि भारत सभी के साथ अच्छे संबंध चाहता है और उन्होंने कहा कि पड़ोसी देश को आंतकवाद को समर्थन, सहायता और उसे उकसाने की अपनी नीति को छोड़ देनी चाहिए। इस अवसर पर जम्मू और कश्मीर के राज्यपाल एन.एन. वोहरा, पूर्वोत्तर क्षेत्र विकास राज्यमंत्री (स्वतंत्र प्रभार), प्रधानमंत्री कार्यालय, कार्मिक, जन शिकायत और पेंशन, परमाणु ऊर्जा तथा अंतरिक्ष राज्यमंत्री डॉ. जितेन्द्र सिंह, जम्मू एवं कश्मीर के उपमुख्यमंत्री कविन्दर गुप्ता और अन्य गणमान्य भी उपस्थित थे। उपराष्ट्रपति ने कहा कि समृद्धि और



आंतरिक शांति की तलाश में विज्ञान और धर्म लोगों के सहायक हैं। उन्होंने कहा कि वैज्ञानिक प्रगति से ब्रह्मांड के बारे में हमारी समझ बढ़ती है, जबकि धर्म के जरिए हमें अज्ञात ब्रह्मांड के बारे में जानकारी मिलती है।

उपराष्ट्रपति ने कहा कि 'मन और आत्मा' से संबंधित मुद्दे और निरंतर

आंतरिक व्याकुलता तथा आंतरिक शांति की कमी से यह विशाल अज्ञात ब्रह्मांड बना है। उन्होंने कहा कि धर्म से ही इन विशाल मुद्दों का कुछ उत्तर मिल पाता है।

उपराष्ट्रपति ने कहा कि अनुसंधान के जरिए प्रश्न और उनके समाधान प्राप्त किए जा सकते हैं। उन्होंने कहा कि आस-पास की दुनिया के बारे में गहराई से समझने की जिज्ञासा के बगैर मानव प्रगति संभव नहीं है। उन्होंने कहा कि अनुसंधान और नवाचार से हम विकास करते हैं और इससे हमारी दुनिया में परिवर्तन आता है। उपराष्ट्रपति ने कहा कि संबंधित प्रश्न उठाना और उनके उत्तर जानना हमारे जीवन जीने का तरीका होना चाहिए। उन्होंने कहा कि बच्चों और युवाओं को प्रश्न पूछने और उनके उत्तर जानने के लिए बढ़ावा दिया जाना चाहिए।

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Vice President for zero tolerance on matters of national security, unity

CSIR-IIIM



Maintaining that there should be zero tolerance on matters of national security and unity, the Vice-President of India, M Venkaiah Naidu today said that India wants good relations with Pakistan but the neighbouring country must give up its policy of supporting, aiding and abetting terror. “India wants peace and good relations with all and we are also willing to have dialogue with the neighbouring country but it must honour the commitment of not allowing its territory to be used for training terror,” he said while addressing

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the scientists, students and staff of the Indian Institute of Integrative Medicine (IIIM) at Jammu today. The Vice-President stressed that peace was prerequisite for progress and attention could not be paid to developmental activities if there was tension on borders. “Peace and progress go together and benefits of developmental activities worth Rs one lakh crores being spent by the Centre and State must reach people of Jammu and Kashmir,” he added. Stating that health and wealth are interlinked and health of a State is known from indicators like law and order, peace, harmony and attention towards development, Mr Naidu called upon people of the State to introspect the reasons for lagging behind. “When the world is progressing, country is progressing and other parts of the country are also progressing, why should J&K lag behind? This question should be put to ourselves and find out an answer,” he said. Besides appreciating first Prime Minister of

India Pt Jawahar Lal Nehru for his vision and contribution towards linking Science and Technology with progress of India, the Vice-President also took a dig at the section of so called ultra nationalists displaying patriotic jingoism. “Patriotism does not mean garlanding the portrait of Bharat Mata or guarding the land only but guarding and taking care of the people, fellow countrymen,” he said and added that people must focus on social order harmony by discarding all artificial creations in between. “Share and care is the core of our philosophy but unfortunately now under the guise caste, region and religion, sometimes we try to fight with each other and politicians take advantage of the same. Irrespective of caste, creed, sex and religion, we are Indians and we should have that feeling,” the Vice-President stressed. Governor N N Vohra, Union Minister Dr Jitendra Singh, Deputy Chief Minister of J&K, Kavinder Gupta, Minister for Science and Technology, J&K, Sajad Gani Lone, Minister for Higher Education, J&K, Imran Raza Ansari and others were present on the occasion Naidu informed that he was on a mission going around the country as Vice-President of Indian and interacting with student community of various universities, scientists of various research institutes and Technology experts of Technology Institutes. “Idea is to understand what is happening in all these prestigious laboratories, Research Institutes and universities to upgrade myself and also communicate to them about expectations of people from them, understand their problems, try to know the solutions and pass on this information to the Government,” the Vice-President said and also informed that he was now planning to interact with farmers from next month. Asserting that the attitude of research must become integral to our education system, the Vice President said the quality of research in the country’s resource institutions determines the pace of nation’s development. “If we want to transform our country into a knowledge economy, into a country that harnesses the power of knowledge to transform people’s lives, we must focus more sharply on research, which is the springboard of human progress,” he explained. Suggesting that there should be regular interaction between the research institutes across the country, he asked the Scientists to also co-opt private sector. “There should not be hesitation in aligning with private sector. The country and the State must seriously think

about private sector participation. We can become number one in world provided all universities and research institutes work together,” he said and asked the scientists to develop drugs to cure diabetes and prevent diseases like malaria, chikungunya and dengue etc. The Vice-President opined that both science and religion are the tools in the hands of the people in their quest for prosperity and internal peace. “Scientific advancements may illuminate our understanding of the universe. But it is the religion which provides answers to the unexplored universe. The issues of mind and soul and the relentless internal unrest and lack of internal peace constitute this vast unexplored universe. It is the religion which provides some answers to these raging issues,” he explained and termed religion as a body of values and moral prescriptions for its followers to abide by. The Vice President, in his speech, also appreciated the efforts of CSIR-IIIM, Jammu in the scientific development of the country and said, “Science has played a major role in the growth of our great nation and the achievements in the areas of affordable medicine, food security, milk production, space, atomic energy and Information Technology, among others, are a testimony to this fact” Earlier, Dr Ram Vishwakarma, Director IIIM, Jammu, made a detailed PowerPoint presentation and described the major research domains of the institute. He also threw light on history of the IIIM Jammu, erstwhile Regional Research Laboratory Jammu, which was founded way back in 1941. He informed that world class research was being carried out here despite the disadvantageous location of the institute. The Vice-President also visited different laboratories of the Institute where the Scientists had put on exhibition the types of research going on there.

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Successful technical demo of green mussels farming

CSIR-NIO

28th May, 2018

In the wake of ever increasing demand for this gourmet seafood and the dwindling natural harvest, farming of green mussels, locally known as 'Xinanneo' holds enormous potential. In order to bridge the vast gap between the supply and demand, the CSIR-National Institute of Oceanography (CSIR-NIO), recently, conducted a tech-demo of rack technique of green mussels farming (area, 18 m²) in a sheltered bay at Madkai village. This was carried out to complement the integrated skill initiative of the Council of Scientific & Industrial Research (CSIR) and Skill India Mission. Sustainably high production of 6120 green mussels (340 Nos./m²) with a total biomass of 200 kg with shell-on (11 kg/m²) was achieved during the culture period of five months.

Monthly growth rates of 7.5 gm in weight and 13 mm in length were witnessed and an average weight of each cultured mussel at the time of harvest was 42 gm. Acting as a knowledge-partner, the CSIR-NIO provided regular advisories to the skill trainees and information on environmental and growth parameters and the nutritive value of cultured mussels were also collected at fortnightly intervals. For the wider dissemination, the CSIR-NIO has made elaborate plans to deploy more such tech-demo units of different techniques of mussel farming (open sea raft, rope culture, etc) at selected localities of the state with the active involvement of stakeholders. Technological diffusion could help in realising the government's 'Doubling Fishermen's income by 2022' according to CSIR-NIO scientists.

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India, Bangladesh ocean scientists to work together

CSIR-NIO



Scientists from Bangladesh Oceanographic Research Institute and National Institute of Oceanography, Goa will study India's Exclusive Economic Zone

Ocean research scientists of the National Institute of Oceanography (NIO) would get an opportunity to work together with Bangladesh Oceanographic Research Institute (BORI) in areas where work has not been started in that country's Exclusive Economic Zone (EEZ), said Director of NIO Sunil Kumar Singh here on Monday. He was addressing presspersons in the presence of

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a visiting delegation from Bangladesh led by Ashok Kumar Biswas, Director General, (BORI). The delegation was on a two-day visit to CSIR-National Institute of Oceanography, Dona Paula. Mr. Singh said that the visit was in connection with the recent Memorandum of Understanding (MoU) signed between the Council of Scientific and Industrial Research (CSIR) and Bangladesh Council of Scientific and Industrial Research (BCSIR), in Dhaka, towards a mutual co-operation between both the countries. The delegation visited CSIR-NIO to chalk out programme and plan towards training the manpower from Bangladesh for oceanographic research. "BORI is a new institute established three months back. They are going to start their research activity very soon. India has committed to help CHOGAM countries, Small Island Developing States (SIDS) countries and all Indian ocean countries," said Mr. Singh. "We are going to help the new institute in all the aspects..

Scientists from BORI will be visiting NIO on short and long-term duration to have training in oceanographic research and to have understanding of the subject. Similarly, NIO scientists will be visiting BORI to impart training in various fields of oceanography. It will not be limited to training, but we will be doing joint oceanographic research,” he said. “Bangladesh has got support since 1971 from Indian Government and have been getting full support from India since then. We feel that without India we will not be developed,” said Mr. Biswas. The delegation will also visit National Institute of Ocean Technology in Chennai

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किसानों को फूलों की खेती पर दिए टिप्स

पालमपुर – सीएसआईआर हिमालय जैव संपदा प्रौद्योगिकी संस्थान पालमपुर एवं राज्य विज्ञान प्रौद्योगिकी एवं पर्यावरण परिषद शिमला के सौजन्य से पंचायत राख, ब्लॉक भावरना, पालमपुर व कांगड़ा में प्रशिक्षण कार्यक्रम का आयोजन किया। कार्यक्रम में किसानों को फूलों की व्यवसायिक खेती से होने वाले लाभ के बारे में बताया। इस एकदिवसीय कार्यक्रम में लगभग 90 किसानों ने भाग लिया, जिसमें मुख्यता महिलाओं की प्रतिभागिता रही। कार्यक्रम के संयोजक डा. भव्य भार्गव ने वर्षा ऋतु के उपरांत लगाने वाली गैदे की फसल पर जानकारी दी, जिससे किसान दिवाली के समय अपनी उपज ले सकते हैं तथा 1000 वर्ग मीटर से चार महीने में पच्चास हजार रुपए शुद्ध लाभ प्राप्त कर सकते हैं। प्रशिक्षण में खुले स्थान में उगाए जाने वाले विभिन्न फूलों की किस्मों के बारे में तकनीकी ज्ञान, उत्पादन, रखरखाव, लगाने के तरीकों एवं मार्केटिंग की जानकारी प्रदान की गई।

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Divya Himanchal

Entrepreneurship Training Programs at CSIR-CFTRI during June 5-16

CTBUREAU_KK 25/05/2018



Mysuru, May 25:- CSIR-Central Food Technological Research Institute (CSIR-CFTRI), the premier food research laboratory under Govt. of India in association with Kautilya Entrepreneurship and Management Institute (KEMI), Jain University has announced the third version of its joint programme for nurturing entrepreneurship agenda in the Food and Allied sectors.

The course scheduled during June 5-16, 2018 and titled as 'Entrepreneurial opportunities in food and allied sectors' has been designed as one of India's premier idea-stage/ pre-idea stage start-up launch program with expert insights from Ramesh Krishnamurthy, Founder of Delight Foods.

First week of the programme will be held in the Jain University Campus, Bengaluru and the later component to be held in the CFTRI campus, Mysuru. The programme concludes at the KEMI campus with a pitch presentation for interested participants towards incubation and funding.

The programme will focus on imparting basic technical and business knowledge required for venturing in food sector, enhance capability of entrepreneurs to accelerate himself or herself in their journey of translating idea into reality, create a community of entrepreneurs, mentors and investors who can help each other in their respective entrepreneurial journey. More details are available at www.cftri.com.

This program is open for aspiring and early stage entrepreneurs focusing on opportunities in the country's food processing sector.

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