CSIR in Media

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CSIR in Media on
21st to 25th July 2019

CSIR-CMERI

25th July, 2019

सीएसआईआर-सीएमईआरआई में जिज्ञासा अभियान

- केंद्रीय स्कूलों के सौ बच्चों, शिक्षकों को दी गयी जानकारी वेस्ट मैनेजमेंट की
- कॉलोनी कैंपस के पायलट प्रोजेक्ट का निरीक्षण करा किया गया जागरूक

दुर्गापुर. सीएस आई आर - सीएमईआरआई ने मंगलवार को सॉलिड वेस्ट मैनेजमेंट के मुद्दे पर जिज्ञासा कार्यक्रम आयोजित किया. केंद्रीय विद्यालय (अंडाल) और केंद्रीय विद्यालय (पानागढ़) के सौ छात्र और शिक्षक शामिल थे. छात्रों को सॉलिड वेस्ट मैनेजमेंट के विभिन्न पहलुओं की जानकारी दी गई. कॉलोनी कैंपस में म्यूनिसिपल सॉलिड वेस्ट मैनेजमेंट पायलट प्लांट का निरीक्षण कराया गया. प्रौद्योगिकियों की विस्तृत प्रस्तुति दी गई.

संस्थान निदेशक प्रो (डॉ) हरीश हिरानी ने छात्रों और युवाओं में जागरूकता पैदा करने के समान महत्व पर जोर दिया. इससे उनके बीच जिम्मेदारी की भावना पैदा होगी और उनमें नगरपालिका ठोस अपशिष्ट प्रबंधन के बढ़ते खतरे के खिलाफ खड़े होने की मानसिकता बमेगी. उन्होंने कहा कि नागरिक की सद्भावना और सकारात्मक छवि को उसके सिविक सेंस और दायित्वबोध से विकसित किया जाता है.

संस्थान विकसित प्रौद्योगिकियों की दक्षता के लिए जीरो वेस्ट सीएमईआरआई कॉलोनी का हवाला दिया गया. जो प्रभावी रूप से यह सुनिश्चित करता है कि कॉलोनी से कोई अपशिष्ट बाहर नहीं डाला जाता है.

इंटरैक्टिव सत्र के दौरान छात्रों ने दिलचस्प और आकर्षक विषय के लिए प्रशंसा और उत्सुकता व्यक्त की. उन्होंने संस्थान निदेशक सह सीनियर प्रिंसिपल साइंटिस्ट डॉ देवज्योति बनर्जी और प्रिंसिपल साइंटिस्ट डॉ अमित गांगुली के साथ बातचीत की.

Published in:
Prabhat Khabar

CSIR-CMERI

24th July, 2019

Educational cum awareness programme under Jigyasa

KOLKATA : CSIR-CMERI, Durgapur, organised the Jigyasa program on July 23, 2019 for the students of Kendriya VidyalayaAndal and Kendriya Vidyalaya, Panagarh on Municipal Solid Waste management at CSIR-CMERI, Durgapur which was participated by around 100 students and teachers. All the participating students were appraised about the various aspects of Solid Waste Management and visited Municipal Solid Waste management pilot plant in CSIR-CMERI Colony Campus. A detailed presentation of all the technologies deployed in the Municipal Solid Waste Management Facility was given to the attending students.

In his speech, Harish Hirani, Director, CSIR-CMERI, Durgapur emphasised upon the unequivocal importance of generating awareness amongst the students and the youth of the nation which will help in creating a sense of responsibility among them and equip the students with the requisite information to stand against the burgeoning menace of Municipal Solid Waste management.

Hirani stated that the Goodwill and the Positive Image of a Nation is brought forth by the Civic Sense and Responsible Attitude of its Citizens. Therefore, the attending students were asked to be the Flag bearers of Knowledge and Skills and help in the dissemination of the same among the masses so that even the rural populace are well aware about the fundamental issues affecting them and their ecology. As a testimony to the efficiency of the CSIR-CMERI developed technologies, the Zero Waste CMERI Colony was cited, which effectively ensures that no wastes are put out from the Colony.

During the interactive session, the attending students expressed their appreciation and curiosity for such an interesting and engaging subject. The students freely interacted with Director, CSIR-CMERI, Debajyoti Banerjee, Sr. Principal Scientist and Amit Ganguly, Principal Scientist. During the engaging discourse various topics surfaced, ranging from Effective Policy and Administrative Enforcement to alternatives/substitutes of plastics. The two-way exchange of information was very effective and useful.

Published in:
Morning India

CSIR-CMERI

24th July, 2019

দুর্গাপুরে সিএমইআরআই-এর পড়ুয়াদের নিয়ে 'জিজ্ঞাসা' কর্মসূচি

দুর্গাপুর সেন্ট্রাল মেকানিক্যাল রিসার্চ ইন্সটিটিউট(সিএমইআরআই)-এর পড়ুয়াদের নিয়ে মঙ্গলবার 'জিজ্ঞাসা' কর্মসূচি হয়। কর্মসূচিতে পানাগড় ও অণ্ডালের কেন্দ্রীয় বিদ্যালয়ের পড়ুয়া ও শিক্ষকদের নিয়ে মিউনিসিপ্যাল সলিড ওয়েস্ট ম্যানেজমেন্টের উপর একটি শিক্ষা বিষয়ক ও সচেতনতামূলক অনুষ্ঠান করা হয়। এই অনুষ্ঠানে পড়ুয়া ও শিক্ষক সহ ১০০জন অংশগ্রহণ করে। এদিন সকলকে সিএমইআরআই কলোনি ক্যাম্পাসে মিউনিসিপ্যাল সলিড ওয়েস্ট ম্যানেজমেন্ট পাইলট প্ল্যান্ট দেখানো হয়। অনুষ্ঠানে সিএমইআরআই-এর ডিরেক্টর প্রফেসর হরিশ হিরানি তাদের সামনে এই বিষয়ে বক্তব্য রাখেন। এছাড়াও এদিন ডিরেক্টর এবং প্রিন্সিপাল সায়েন্টিস্ট দেবজ্যোতি বন্দ্যোপাধ্যায় ও অমিত গঙ্গোপাধ্যায় প্রমুখের সঙ্গে পড়ুয়ারা দেখা করেন।

CSIR-IHBT

24th July, 2019

केवी नादौन के छात्रों ने सीएसआईआर का किया दौरा

निदेशक के साथ केवी स्कूल नादौन के छात्र।

पालमपुर, 24 जुलाई (जसवंत कठियाल): जिज्ञाशा कार्यक्रम के तहत केंद्रीय विद्यालय नादौन, हमीरपुर के 33 छात्रों के एक समूह ने तीन शिक्षकों के साथ, सीएसआईआर-आईएचबीटी पालमपुर का दौरा किया। छात्रों ने संस्थान के निदेशक, डा. संजय कुमार व संस्थान के वैज्ञानिकों और अनुसंधान विद्वानों के साथ बातचीत कर संस्थान में चल रही गतिविधियों व ईजाद तकनीकों की जानकारी हासिल की, जिसमें हर्बेरियम, पायलट संयंत्र सुविधा, चाय कारखाने, बांस संग्रहालय और विभिन्न प्रयोगशालाओं (नैनो प्रौद्योगिकी, प्राकृतिक उत्पाद रसायन विज्ञान, एन्टोमोलॉजी, मृदा विज्ञान) बारे विस्तार के जानकारी हासिल कर दौरे के बाद लेबर सेकेंडरी मेटाबोलाइट्स के उत्पादन के लिए वैकल्पिक तकनीक विषय पर व्याख्यान सह प्रदर्शन प्रदान किया गया।

Published in:
Dainik Savera

CSIR-CSMCRI

24th July, 2019

વ્યાપાર/ભાવનગર

ફાઈન કેમીકલ પરના સંશોધનમાં વધારો કરવા કેટાલિસિસ ઉપર કાલે સેમિનાર

ભાવનગર, મંગળવાર

રોજીંદા ઉપયોગમાં લેવાની ચીજ વસ્તુમાં ફાઈન કેમીકલનો ઉપયોગ થતો હોય છે. જે સેક્ટરમાં ૧૯૦ અબજ ડોલરનું દેશનું હુંડીયામણ ખર્ચ થાય છે. ત્યારે આ ફાઈન કેમીકલ સ્થાનિક કક્ષાએ બનાવી આ આર્થિક ભારણ ઓછુ કરવા પ્રયત્નો થઈ રહ્યા છે. જે અંતર્ગત સેન્ટ્રલ સોલ્ટ ખાતે દેશના વિભીન્ન ભાગોમાંથી સંશોધકોનો એકદિવસીય સેમીનાર યોજાશે.

સેન્ટ્રલ સોલ્ટ ખાતે દેશના વિવિધ પ્રદેશોમાંથી સંશોધકો હાજરી આપશે

રસાયણોને રોજિંદા જીવનમાં ઉપયોગમાં આવે છે જેને ફાઈન કેમિકલ અને સ્પેશ્યલ કેમિકલ પણ કહે છે. જેમ કે દવાઓ, એગ્રો કેમિકલ, પરફ્યુમ કેમિકલ વગેરે આ સેક્ટર ૧૯૦ અબજ ડોલરનું દેશને યોગદાન આપે છે અને દર વર્ષે આમા ૯-૧૦%નો વધારો પણ જોવા મળે છે. આર એન્ડ ડી લેબોરેટોરીએ એક ડિઝાઈન પ્રોસેસ વિકસાવે છે જે પર્યાવરણને હાનિ ન પોહચે તે રીતે કામ કરે છે. આ ક્ષેત્ર માટે છેલ્લું એક વર્ષ પડકારજનક છે. સામાન્ય રીતે, આ ઉદ્યોગો વજનના સંદર્ભમાં ઈચ્છિત ઉત્પાદનની તુલનામાં વધુ કચરો-આધ-પ્રોડક્ટ્સ (૨૦-૧૦૦ વખતની શ્રેણીમાં) બનાવે છે. સેન્ટ્રલ સોલ્ટ તેના ઈનોર્ગેનિક મટિરીયલ્સ એન્ડ કેટાલિસિસ ડિવિઝન, છેલ્લા બે દાયકાથી છેલ્લા કેટલાક દાયકાઓ માટે વિવિધ અણુઓ બનાવવા માટે ફાઈન એન્ડ સ્પેશિયાલિટી કેમિકલ્સ પર કામ કરી રહ્યું છે. ખાસ કરીને પરફ્યુમરી રસાયણો જેમ કે ૨-ફિનાઈલ ઈથેનોલ, મેન્થોલ, આલ્ફા-હેક્સાઈલ સિનામાલ્ડેહાઈડ, પિનિન ઓક્સાઈડ, સાયક્લેમાનેલ્ડેહાઈડ, એસોપુજેનોલ થોડા નામ છે. તેમાંના કેટલાકને કેટલીક સ્ટાર્ટ-અપ કંપનીઓને લાઈસન્સ આપવામાં આવ્યું છે. જે સીએસઆઈઆર પ્રક્રિયાઓ પર આધારિત આ રસાયણો ઉત્પન્ન કરી રહ્યા છે. સંસ્થા ૧૦થી વધુ વૈજ્ઞાનિકો અને ૩૦ સંશોધન વિદ્યાર્થીઓની સાથે પર્યાવરણીય ધટક અને ઉર્જા કાર્યક્ષમતાના સંદર્ભમાં સતત પ્રક્રિયાઓમાં સુધારો કરી રહી છે. આ કુશળતા સાથે સંસ્થાએ બાયો-આધારિત સ્ત્રોતમાંથી આવા સુંદર અને વિશિષ્ટ રસાયણો બનાવવાની તકો પણ વધારી દીધી છે. સંશોધન પ્રયત્નોમાં વધારો કરવા માટે સેન્ટ્રલ સોલ્ટ પર ૨૫ જુલાઈના રોજ ફાઈન કેમિકલ્સ માટે કેટાલિસિસ પર એક દિવસીય સેમિનારનું આયોજન કરી રહ્યું છે. દેશના જુદા જુદા ભાગોમાંથી કેટલાક જાણીતા સંશોધકો આ પ્રોગ્રામ પર ધ્યાન આપી રહ્યા છે. આ સેમિનાર આયાત અવેજીની દિશામાં એક પગલું પણ છે, કેમ કે સીએસઆઈઆર ફાઈડ એન્ડ સ્પેશિયાલીટી કેમિકલ્સ માટે એક મિશન પર કામ કરી રહ્યું છે.

Published in:
Gujarat Samachar

CSIR-CSMCRI

23rd July, 2019

Top scientists to deliver lectures at seminar on fine chemicals

Rajkot: Central Salt and Marine Chemicals Research Institute, Bhavnagar will organise a one-day seminar on fine and speciality chemicals on July 25.

Top scientists of the country will deliver lectures at the seminar, including Darbha Srinivas of National Chemical Laboratory, Pune; Prof Santanu Mukherjee of Indian Institute of Science, Bangalore; scientists of CSMCRI and other leaders of the industry.

An official release from the CSMCRI said that the seminar will help research scholars of Gujarat to update themselves with the latest information in the field. **ENS**

Published in:
The Indian Express

CSIR-IICT to supply 3.6 lakh traps to tackle Fall Worm pest

CSIR-IICT

23rd July, 2019

CSIR-IICT has announced on Monday that it will be making and supplying 3.6 lakh traps and 7.2 lakh lures for farmers growing maize/corn crops this year to tackle the Fall Worm infestation present in nearly 140 mandals of 15 districts.

Director S. Chandrasekhar flagged off the first consignment of traps and lures to tackle the pest for the Mahabubnagar, Gadwal and Kamareddy districts. The programme is being taken up in association with the Telangana government's agriculture department.

The department estimates that the maize crop is being grown in about 45,000 acres of cultivated area in the disease-sensitive districts of Siddipet, Mahabubnagar, Jogulamba Gadwal, Nagarkurnool, Kamareddy, Medak, Vikarabad, Khammam, Jangaon, Sangareddy, Mahabubabad, Nizamabad, Karimnagar, Rajanna Siricilla, and Jagitial.

Institute scientists Dr B. V. Subba Reddy, Dr B. Nagendra Babu, Dr Rajashekar and others were present at the ceremony. It was stated that the remaining lures and traps will be supplied by this weekend.

Published in:
The Hindu

NML imparts skill training on Entrepreneurship Development

CSIR-NML

22nd July, 2019

CSIR-National Metallurgical Laboratory, Jamshedpur, organised a five-day Skill Training Programme on Entrepreneurship Development on Innovative Product Prototyping for MSME (IPPM 2019) at the Lecture hall of NML. The training program was organized under the CSIR Integrated Skill Initiative Program for development of Entrepreneurship. Aligning with the skill India Mission of GOI, CSIR-NML organized "Entrepreneurship Development Programme on Innovative Product Prototyping for MSME for upliftment of entrepreneurs to polish their skills. The program targets on developing core and professional skills necessary for entrepreneurship development, product ideation, design and development, advertising and active learning on product selling, facilitating innovation in the tinkering laboratories in schools, colleges and other institutions. The collaboration aims at creating better entrepreneurs and get the best out of them. CSIR-NML has always been a sport when it comes to alliance for a good cause and will always supports collaborations to increase the economy and social status of the country.

Entrepreneurship development programme also focuses a lot on enhancing the ideas and potential of an entrepreneur. In addition to hands-on practice sessions, this five days programme had two major lecture sessions which were delivered by Dr. MitaTarafder, Chief Scientist of CSIR-NML on Entrepreneurship and Business Development and by Mr. P. K. Gupta, Director I/C, MSME Development Institute, Ranchi on Product prototyping for MSME. Moreover, Rashmi Saha, Life

coach, corporate trainer conducted various sessions on Communication Skills, Personal Development & Time Management. The hands-on practice session included Product Ideation, Design, Development& Prototyping.

Dr. MitaTarafder, Chief Scientist & Training Coordinator of CSIR-NML, addressed the participants and congratulated the participants for successfully completing the training programme. She gave a brief introduction about CSIR-NML, its core areas of working & also about the other laboratories of CSIR.

Dr. K L Hansda, Senior Principal Scientist- Research Planning and Business Development distributed the training certificates to around 30 participants from institutions and organizations all over the country. Moreover, mementoes were also presented to the faculty members and key resource persons.

Participant from different institutions and organizations shared their opinions and thanked CSIR-NML for designing such training programme through which they came to learn more about Entrepreneurship. They also demonstrated the product prototypes they designed during the training sessions. The participants also learnt about the various safety measures one should take care while being in working place.

Dr. G.V.S. Murthy, Senior Principal Scientist, Research Planning and Business Development, concluded the function by offering vote of thanks. He thanked the participants for successfully completing the training program and actively participating in the discussions and also the Speakers and organizing team for their support throughout the training session.

Published in:
The Avenue Mail

CSIR-CCMB

20th July, 2019

Central Minister urges TS govt to join Ayushman Bharat scheme

HANS NEWS SERVICE

Hyderabad: Union Minister for Science and Technology, Health and Family Welfare and of Earth Sciences Dr Harsh Vardhan urged the State government to consider joining the Ayushman Bharat scheme of the Centre. Stating that Chief Minister K Chandrashekar Rao is a lovely person whom he knew closely for long, the Health Minister appealed to the Chief Minister to look beyond politics in the larger interests of the people.

He reminded that Centre had requested Telangana to join the health insurance scheme earlier. Dr Harsha Vardhan hoped that Telangana government would positively respond to the Centre's request this time.

The Union Minister visited the city to inaugurate the Next Generation Sequencing (NGS), a state-of-the-art facility for genomic studies at CCMB (Centre for Cellular and Molecular Biology) at Tarnaka on Saturday. The facility includes cutting edge technology for high-throughput genome sequencing, which also enables diagnostic related sequencing of transcriptome and exome (parts of the genome that are expressed in cells) of clinical samples. These services will be open for clinicians/hospitals and industry as well as academicians and universities.

The CCMB can now sequence up to 30 human genomes or 384 diagnostic samples in a day. For a country like India with its heavy genetic disease burden, prenatal genetic screening and counselling are essential in preventing genetic disorders. Also, the genetic cause of many diseases among Indians is very poorly understood. Much of the existing body of knowledge for therapies against these diseases comes from studies done with Caucasian populations. This facility would help in generating large scale genomic data from Indian populations - critical for genetic diagnosis and therapy. Harsh Vardhan called upon researchers to look beyond just publishing journals and strive for resolving long-standing problems facing the society. He recalled how Scientists of yesteryear made big breakthroughs with limited resources and facilities available at that time. The Minister also laid the foundation stone for a new skills, training and lecture hall complex at CCMB. The complex will house an auditorium for 320 persons, 2 lecture halls with a seating capacity of 100 each and 4 modern e-classrooms.

For an institute well-known for its academic meetings as well as multiple training programmes in the country but lacking such an infrastructure, this new building is sure to meet its needs. This also enables CCMB to upscale its skills and training programmes.

Union Minister of Science and Technology Dr Harsh Vardhan inaugurating the Next Generation Sequencing (NGS) facility and laying foundation stone for the skilling, training and lecture hall at CCMB in Hyderabad on Saturday

Published in:

The Hans India

CCMB to sequence 30 genomes a day

CSIR-CCMB

21st July, 2019

It costs around ₹1 lakh to sequence one genome using this facility

Next Generation Sequencing (NGS) facility, fourth such facility in the country, which can sequence 30 human genomes a day, was inaugurated by Union Minister of Science and Technology Harsh Vardhan at the Centre for Cellular and Molecular Biology (CCMB), a CSIR lab in Hyderabad, on Saturday. It costs around ₹1 lakh to sequence one genome using this facility.

The Union Minister said that this state-of-the-art genome sequencing facility would be of help, especially to patients suffering from rare genetic disorders. CCMB scientists said that earlier it used to take two to three weeks to sequence one genome, and it was a costly process. "We had a smaller machine which was not as efficient. Besides, it became obsolete as the company which manufactured the machine, has been closed down. This (NGS) is top most model," said Dr K Thangaraj, chief scientist at CCMB.

The facility includes cutting edge technology for high throughput (number of samples tested) genome sequencing, which also facilitates diagnostic related sequencing of transcriptome and exome (parts of genome that are expressed in cells) of clinical samples. Much of the existing body of knowledge for therapies for these diseases comes from studies done with Caucasian populations.

This facility would help in generating large-scale genomic data from Indian populations, which was critical for genetic diagnosis and therapy. The CCMB can now sequence up to 30 human genomes or 384 diagnostic samples in a day. For a country like India, with its heavy genetic disease burden, prenatal genetic screening and counselling are essential in preventing genetic disorders, said a press release.

This opens up multiple avenues in investigating fundamental biology of individual cells in tissues as well as fighting disease like cancer through understanding the heterogeneity in cell populations. By using the facility, scientists hope to find genetic cause of rare diseases and develop kits which can be used to find population at the risk of genetic or other rare diseases. These services would be available to hospitals, industry, and academicians by paying charges.

Published in:
The Economic Times

CSIR-CCMB

20th July, 2019

రోగ నిర్ధారణలో ముందడుగు

- సీసీఎంబీలో కొత్తతరం సీక్వెన్సింగ్ (ఎన్‌జీఎస్) సదుపాయం
- యంత్రాన్ని ప్రారంభించిన కేంద్ర మంత్రి హర్షవర్ధన్
- జన్యు నిర్మాణంపై అంచనా, క్యాన్సర్ లాంటి వ్యాధుల చికిత్సకు మార్గం సుగమం

సీసీఎంబీలో నూతన ఆడిటోరియం నిర్మాణ శిలా ఫలకాన్ని ఆవిష్కరిస్తున్న హర్షవర్ధన్, పక్కన సీసీఎంబీ, ఐఐసీటీ, ఎన్‌జీఆర్‌ఐల సంచాలకులు రాకేశ్‌మిశ్రా, చంద్రశేఖర్, తివారీ తదితరులు

ఉనాము, హైదరాబాద్: అత్యధిక జనాభా, జన్యు వైవిధ్యం కలిగిన మన దేశంలో ఎక్కువ మంది జన్యుపరమైన వ్యాధులతో బాధపడుతున్నారు. ఆ తరహా వ్యాధుల మూలాలు తెలుసుకునేందుకు పరిశోధనలు కొనసాగుతున్నా పరిమిత సాంకేతికత పరిజ్ఞానంతో జన్యు విశ్లేషణకు చాలా సమయం పడుతోంది. ఈ ప్రక్రియను సులభతరం చేసేందుకు హైదరాబాద్‌లోని సెంటర్ ఫర్ సెల్యులార్ అండ్ మాలిక్యులర్ బయాలజీ(సీసీఎంబీ) కొత్తతరం సీక్వెన్సింగ్(ఎన్‌జీఎస్) సదుపాయాన్ని అందుబాటులోకి తీసుకొచ్చింది. దాదాపు రూ.8 కోట్ల వ్యయంతో ఏర్పాటు చేసిన యంత్రాన్ని కేంద్ర ఆరోగ్య, శాస్త్ర, సాంకేతికత శాఖ మంత్రి హర్షవర్ధన్ శనివారం ప్రారంభించారు. 'ఈ అధునాతన సాంకేతికతతో ఒక రోజులో 30 మందికి సంబంధించిన జన్యువులను, 384 క్లినికల్ నమూనాలను విశ్లేషించొచ్చు. కేవలం 8 నిమిషాల వ్యవధిలో 80 వేల కణాల జన్యువుల ప్రవర్తన తీరును(ట్రాన్స్‌క్రిప్టోమ్)ను బార్ కోడింగ్ విధానాల్లో గుర్తించే సామర్థ్యం దీనికి ఉంది. క్యాన్సర్ వంటి రోగాలపై మరింత అవగాహన పొందేందుకు, కణాల్లో వస్తున్న జన్యు వైవిధ్యం గుర్తించడం ద్వారా ఈ వ్యాధుల నిర్మూలన, మెరుగైన చికిత్సకు మార్గం సుగమం అవుతుంది" అని సీసీఎంబీ శాస్త్ర వేత్తలు వెల్లడించారు.

ఐఐసీటీలో మూడోతరం రసాయనాల తయారీ

పంటలను చీడల నుంచి కాపాడుకునేందుకు విచ్చలవిడిగా పురుగుమందులను వాడుతున్నారు. దాలావరకు చీడపీడలు పురుగుమందులను తట్టుకునే సామర్థ్యాన్ని పెంపొందించుకోవడంతో దిగుబడి తగ్గిపోతుంది. ఆహార ఉత్పత్తుల్లో రసాయన అవశేషాలు కలిసి ప్రజలు అనారోగ్యం పాలవుతున్నారు. వీటికి పరిష్కారంగా మూడోతరం పురుగుమందుల తయారీకి అవసరమైన 18 రకాల రసాయనాలను హైదరాబాద్‌లోని ఇండియన్ ఇన్‌స్టిట్యూట్ ఆఫ్ కెమికల్ టెక్నాలజీ (ఐఐసీటీ)లో ఉత్పత్తి చేయనున్నారు. కేంద్రం ఇటీవల ప్రారంభించిన ఆగ్రోమిషన్ ప్రాజెక్టుల్లో భాగంగా ఐఐసీటీకి రూ.5కోట్లతో పైలెట్ ప్రాజెక్ట్ మంజూరైంది. ఇందులో భాగంగా మొలలిలో ఆగ్రో కెమికల్స్ ఉత్పత్తి కేంద్రం నిర్మాణానికి హర్షవర్ధన్ శనివారం శంకుస్థాపన చేశారు. అనంతరం జాతీయ పోషకాహార సంస్థలో జరిగినకార్యక్రమంలో పాల్గొన్నారు.

రేపు లోక్‌సభలో జాతీయ వైద్య కమిషన్ బిల్లు

వైద్య విద్యా రంగంలో భారీ సంస్కరణలు తీసుకురాబోతున్న జాతీయ వైద్య కమిషన్ బిల్లును సోమవారం లోక్‌సభలో ప్రవేశపెట్టబోతున్నట్లు హర్షవర్ధన్ తెలిపారు. మెడికల్ కౌన్సిల్ ఆఫ్ ఇండియా స్థానంలో దీన్ని ప్రవేశపెడుతున్నట్లు చెప్పారు. లోక్‌సభ, రాజ్యసభల్లో ఆమోదంతో బిల్లు త్వరలోనే చట్టంగా రూపుదిద్దుకుంటుందనే ఆశాభావాన్ని వ్యక్తం చేశారు. శనివారం హైదరాబాద్‌కు వచ్చిన మంత్రి మీడియాతో మాట్లాడారు. ఆయుష్మాన్ భారత్‌తో 32 లక్షల మంది ప్రయోజనం పొందారని, 16 వేల ఆసుపత్రులు ఈ పథకం కింద ఉన్నాయని వెల్లడించారు. తెలంగాణ, ఒడిశా, దిల్లీ, పశ్చిమ బెంగాల్ మాత్రమే ఈ పథకంలో చేరలేదని ఒక ప్రశ్నకు సమాధానంగా చెప్పారు. చేరని రాష్ట్రాల సీఎంలతో సంప్రదింపులు జరుపుతున్నామని, ఒడిశా ప్రభుత్వం అంగీకారం తెలిపిందన్నారు.

Published in:
Greater Hyderabad

IICT facility to look into sustainable agriculture

CSIR-IICT

21st July, 2019

HYDERABAD: During his visit to CSIR - Indian Institute of Chemical Technology (IICT) in Hyderabad on Saturday, Union Minister for Health and Family Welfare Dr Harsh Vardhan laid the foundation stone for the 'scale up facility for agrochemicals', proposed to be constructed at the pilot plant complex of CSIR-IICT.

The facility is established as part of an agro-mission project under CSIR. The agro-mission project and this state-of-the-art facility is focused on farmers' interests to develop sustainable agricultural practices using agrochemicals.

With a proven record of having developed several generic crop protection chemicals, the organisation is equipped to take new challenges in this area.

Published in:
The New Indian Express

CSIR-CCMB

20th July, 2019

Cutting edge technology for CCMB

CITY BUREAU
Hyderabad

Union Minister for Science and Technology Dr Harsh Vardhan inaugurated the Next Generation Sequencing (NGS) facility at the CSIR-Centre for Cellular and Molecular Biology (CCMB) here on Saturday.

The state-of-art facility includes cutting edge technology for genome sequencing that will help in identifying the DNA sequence of people suffering from rare genetic diseases. The new facility will help genome sequencing understand the genes responsible for some of the rare genetic diseases still prevalent in the society, he said. The facility set up with a budget of Rs 8 crore was the latest in the world, he added.

For a country like India with its heavy genetic disease burden, pre-natal genetic screening and counselling are essential in preventing genetic disorders. The genetic cause of many diseases among Indians was poorly understood. The facility will help in generating large scale genomic data which is critical for genetic diagnosis and therapy, a release said.

Using NGS, the CCMB can now sequence up to 30 human genomes or 384 diagnostics samples in a day. These sequencing which earlier took about seven to 10 days can now be completed in a single day. With the facility, the CCMB will embark on single cell genomics and transcriptomics using powerful barcoding capacities which would help researchers individually tag genomes of up to 80,000 cells in eight minutes. This opened up multiple avenues in investigating biology of individual cells in tissues as well as fighting diseases like cancer.

Union Minister for Science and Technology Dr. Harsh Vardhan checking out Next Generation Sequencing facility at CCMB on Saturday.

Panel to work on rare and genetic diseases

A high powered committee to work on rare and genetic diseases and tackle the issues related to them has been constituted by the union government, said the Union Minister for Health and Family Welfare Dr Harsh Vardhan.

He said that as huge costs are involved in treating some of the rare genetic diseases, many companies are not manufacturing those drugs and procuring them from foreign countries to entailed huge expense. The National Medical Commission bill would be introduced in Lok Sabha on Monday and the Commission would replace the Medical Council of India, he said. The MCI is already superseded and replaced by Board of Governors. Earlier, he told scientists that their work should not be confined to research papers or journals but should go back to the people.

Published in:
Telangana Today

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