CSIR IN MEDIA

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NEWS BULLETIN
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Compiled by Science Communication and Dissemination Directorate (SCDD), CSIR, Anusandhan Bhawan, New Delhi

India, Denmark to expand ties in health, agri, climate sectors

CSIR-NGRI

10th October, 2021

Prime Minister Narendra Modi and his visiting Danish counterpart Mette Frederiksen on Saturday held "fruitful" talks with a focus on expanding cooperation in a range of key areas such as health, agriculture, water management, climate change and renewable energy. In his media statement after the talks, Modi said both sides reviewed the progress made under the India-Denmark Green Strategic Partnership and deliberated on further expansion of overall cooperation in multiple sectors.

The two sides also inked four agreements that will provide for deepening of cooperation in science and technology, climate change and skill development.

"A year ago today, we took the historic decision to establish a Green Strategic Partnership between India and Denmark in our virtual summit. This is a sign of far-reaching thinking and respect for the environment by both our countries," he said.

In her remarks, the Danish PM complimented Modi for his focus on green technologies and described him as an "inspiration for the rest of the world".

"I am also proud that Danish solutions play a key role when it comes to your very ambitious targets… You have set some very ambitious targets when it comes to clean water for over one million households and for renewable energy including off-shore wind," she said.

Modi said both sides decided to cooperate in areas like efficient supply chain, smart water resources management and technologies relating to the farm sector to increase agricultural productivity in India.

In her media statement, Frederiksen said the cooperation between India and Denmark is a great example of how green growth and green transition go hand-in-hand. She said both sides decided to boost cooperation, particularly in the health and agriculture sectors.

Ahead of the talks between the two prime ministers, External Affairs Minister S Jaishankar called on Frederiksen.

Published in:
Indian Express

This is golden period of agriculture in India under PM Modi: Union minister

CSIR-IIIM

10th October, 2021

JAMMU: Union Minister of State for Science & Technology, Earth Sciences and PMO, Jitendra Singh, on Sunday said the Modi-led government is giving special impetus to agriculture start-ups. While attending the concluding ceremony of 5-day long Northern India Regional Agriculture Fair 2021 as chief guest at SKUAST Jammu.the Union Minister said, "This is the golden period of Agriculture happening in India under Prime Minister Narendra Modi and technological interventions, research and innovation in agriculture under his leadership will double the farmers income by 2022."

Speaking on the occasion, Dr Singh said that PM Narendra Modi is serious towards agriculture development in India that can be judged from the fact that two new ministries - Jal Shakti and Skill Development & Entrepreneurship - have been created only to promote agriculture and doubling the farmers income by 2022.

"One of its important links is the recently launched 'Heli-Borne Survey Technology for groundwater management and to map groundwater resources in arid regions for drinking and agricultural purposes," he said.

Dr. Singh said that the agriculture and farm production has been revolutionised in India under the current government which is evident from the various initiatives taken by the government for the welfare of farmers like the Soil Health Card, Neem Coated Urea, PM Fasal Bima Yojana, PM Kissan Sammaan, e-Nam,PM Kissan Maandhan Yojana has not only empowered

the Agriculture Sector financially & resourcefully but has also given an esteem and respect to the farmers which was lacking earlier.

Enumerating the development initiatives taken in J&K vis-à-vis agriculture & innovation, Dr. Singh said that the establishment of north India's first biotechnology park, two high seed processing plants at Kathua, launch of India's first Aroma Mission will open new vistas of growth, opportunities and innovation in agriculture in Jammu.

Speaking to the farmers present on the occasion, Dr. Singh emphasised that a farmer can now engage himself in multiple activities depending upon his capacity, resources so as to become integrated as the working in silos is over now.

He also maintained that the responsibility of the government is then to facilitate the farmer in every way which is being done without any compromise by the present government. Giving examples of the entrepreneurs involved in various innovative agricultural practices & who are earning in lakhs, Dr. Singh stressed upon the students present there to become job providers and not job seekers, become agricultural technocrats through start-ups & be the architects of innovative India as the agriculture in India is no longer the traditional farming of 19th Century.

The Union minister also urged SKUAST administration to promote 75 agricultural start-ups from this university on 75 years of India's independence on the lines of his Ministry which is also promoting start-ups as 75 young start-ups in science, 75 women start-ups in science, 75 SIT hubs dedicated to SCs and STs.

The minister stressed on the integration of Institute of High Altitude Medicine, IIIM and SKUAST which should work on theme based projects not institution based projects for the composite outcomes and no overlapping. The minister further said that the proactive outreach for the start-ups is the need of the hour to get the best minds for the promotion of our products at national and international level be that the basmati rice, rajmash or other products.

For the promotion of the products and the start-ups, the minister emphasised on the creation of a wider media space accompanied with the latest technology & social media boom so as to promote the local products and start-ups. During his address, the minister emphasised on sustainable agricultural practices and organic farming which is being promoted by the current government.

During his visit, the Minister laid the foundation stone of the faculty club, main campus Chatha and inaugurated a plant tissue culture laboratory at School of Biotechnology, SKUAST, Jammu, a herbal garden (Sanjeevani Tapovan) & ceremonial planting, also inaugurated Basmati Producers and Beekeeping Conventions.

The Minister also unveiled the world bank-ICAR funded IDP project during the concluding ceremony.

Besides Professor J P Sharma, Vice Chancellor, SKUAST, Jammu; Dr S K Malhotra, Agriculture Commissioner, Govt of India , Dr R C Aggarwal, DDG (Education), ICAR, New Delhi, Dinesh Kulkarni, Organisation Secretary, BKS, Professor Manoj K Dhar, VC, Jammu University, Dr Reddy, Director CSIR-IIIM Jammu also attended the concluding ceremony.
Jammu TNN

Published in:
Times Of India

Rachakonda Police to kick start entrepreneurship project

CSIR-IICT 10th October, 2021

Hyderabad: With an aim to combine women empowerment, rural development and sustainability, the Rachakonda Police has decided to start their first entrepreneurship project – Accelerated Anaerobic Composting (AAC). Under this project, an organic waste plant at Narayanpur in Choutuppal in Yadadri-Bhongir district is set to come up and it will provide employment opportunities and also help towards sustainable environment.

The unique and perhaps a first-of-its-kind programme in the State was initiated by Rachakonda Police in collaboration with Rachakonda Security Council (RKSC) and CSIR Indian Institute of Chemical Technology (IICT).

Officials said multiple options for startups were explained and it was collectively decided to start the first entrepreneurship project at Narayanpur – Accelerated Anaerobic Composting of organic waste.

On the auspicious occasion of Navaratri, which symbolises representation of women power, Rachakonda She Teams DCP Saleema convened the programme with more than 100 women who showed eagerness and enthusiasm to learn about the self-employment schemes. She set the context of this initiative and explained how this programme can benefit the women.

RKSC Women's Forum Joint Secretary Latha Ramasubramanyam spoke about women taking lead roles for the development of the society as a whole and also stressed upon financial independence women should have and how they can be part of the sustainable growth.

Narayanpur Sarpanch K Bikshapathi presided over the meeting and assured to take this project on fast track. He extended his support by identifying a suitable land, providing suitable bins for segregating wet waste to households (about 2,000 residents are residing in this area)

and a vehicle for transporting to the site. He also agreed to distribute bins to gather the wet and dry waste, tractor to collect the waste from the door steps and deposit at the compost plant.

Dr D Shailaja, Chief Scientist and Chair Business Development – CSIR, IICT explained the concept of the project in detail and how the support will be extended to the prospective women. She informed about the modality of realising the project by involving other departments and organisations for necessary financial assistance and technical support.

Officials said that to start with about 30 interested women will be selected who will be divided into five teams for running this programme. Projects leads will be identified and they will be the interface between the CSIR-IICT and the village leadership. The entire project will be overseen by the Sarpanch.

Rachakonda Police Commissioner Mahesh Bhagwat appreciated this initiative for empowerment of rural women and thanked CSIR -IICT for taking a lead.

Published in:
Telangana Today

MoU signed to promote quality material for medicinal plants

CSIR-IHBT 10th October, 2021

New Delhi, Oct 10 (IANS) The National Medicinal Plant Board (NMPB) has joined hands with the CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), in Himachal Pradesh's Palampur, to promote the production of quality planting material of medicinal plants.

The two organisations have signed a Memorandum of Understanding (MoU) to facilitate the development of Quality Planting Material (QPM) of medicinal plants and herbs identified by NMPB and help in the establishment of their nurseries for QPM development, promotion, conservation and cultivation of the appropriate medicinal plants in different agro-climatic zones, including the Rare Endangered Threatened (RET) species and those growing in high-altitude regions.

The CSIR-IHBT will also undertake research on mass multiplication and agro-technology development while the NMPB, through its implementing agencies i.e. State Medicinal Plant Boards, State AYUSH societies, State Horticulture Departments and Regional-cum-Facilitation Centres across India, will support projects related to QPM Development.

The NMPB works towards supporting policies and programmes for the growth of trade, export, conservation and cultivation of medicinal plants.

Published in:
Sify

CSIR develops tech to replace costly imported electronic items in satellites

CSIR-NIIST

8th October, 2021

Indian scientists have indigenously developed toxic-free and superior multilayer technology that packages together electronic components to produce multilayer circuits. The technology has immense application in the strategic sector such as satellite communication and defence industry, which at present depends upon costly imports.

Referred to as Low-Temperature Cofired Ceramic (LTCC) tapes and High-Temperature Cofired Ceramic (HTCC) substrates the technology is in the fifth stage of 'Technology Readiness' and is being supplied by the Council of Scientific and Industrial Research (CSIR) to the Indian Space Research Organisation (ISRO) for tests.

If the testing is successful, the technology can be employed in several microwave components like 'S' and 'C' band receivers in satellite transponders. ISRO requires thousands of tapes and substrates every year. Deference research laboratories and some defence public sector undertakings also require them.

Low orbit satellites which are in demand today need a sustainable technology for compact satellite volume and mass, besides reduced production time and affordable cost. Hybrid micro-systems based on LTCC technology that integrates components such as capacitor, resistor, inductor, resonator and filter into a multilayered ceramic module, is a potential solution in future communication satellites due to their outstanding performance and moderate cost.

Dr KP Surendran, Principal Scientist at CSIR's National Institute for Interdisciplinary Science and Technology (NIIST) developed a series of LTCC tapes and HTCC substrates that have dielectric properties or the ability of storing electric energy in an electric field. A patent has already been filed on tape casting of HTCC substrate based on zircon.

An aqueous tape casting technique has been developed, which is relatively free from health hazards, since it does not employ volatile organic components like xylene and methyl ethyl ketone.

According to a statement issued by the Ministry of Science and Technology today, a project for developing an all-gold system as a substitute for the imported LTCC tape system has also been proposed under the ISRO Respond programme. Commercial exploration and mass production of this product is also being planned after testing the gold paste-based LTCC tapes by ISRO.

Published in:
Tribune India

CSIR's Institute Plans to Seek Emergency Approval by Dec for Horse-based Antibody Therapy to Rein In Covid

CSIR-CCMB

8th October, 2021

The Hyderabad-based Centre for Cellular and Molecular Biology (CCMB) is planning to seek emergency-use approval for its horse-based antibody therapy for Covid treatment within the next two months, its chief told News18.com. The CCMB, a fundamental life science research institute, works under the aegis of the Council of Scientific and Industrial Research (CSIR) — an autonomous body established by the Government of India.

Known as fragment-based therapeutic antibody treatment, these antibodies are raised in horses using inactivated coronavirus, which are fractionated and purified to produce antibody fragments for neutralising the virus in the patients for recovery. The therapy — on which CCMB is working in collaboration with VINS Bioproducts, which manufactures equine-based immunoglobulins — is in the advanced stages of phase I/II trials.

'Data looks promising'

"While the cases of Covid-19 have been going down and it's difficult to complete the trials within a stipulated time frame, we expect to submit the data of phase II trials before the drug controller general of India (DCGI) in the next one or two months and may seek emergency-usage approvals," Dr Rakesh Mishra, director, CCMB, told News18.com. "It will depend on experts at regulatory authorities including DCGI to take a call on whether the therapy can be given emergency approval while phase III can continue alongside. Also, a lot may depend on the Covid-19 situation at that time." Mishra said that "till now, the data looks promising and we are hopeful that it will continue to show good results."

Therapeutic antibody treatment more promising than plasma

According to experts, therapeutic antibody treatment could prove more effective and feasible than plasma therapy. While plasma therapy has now been proven ineffective against the treatment of Covid-19, therapies using horses or other animals to generate antibodies against

the SARS-CoV-2 viral antigens are expected to show efficacy.

Covid mRNA vaccine in development

The CCMB, this year, had set up an exclusive 'RNA platform', a facility to develop mRNA (messenger RNA) technology to be used in Covid vaccines — the same platform used in Pfizer-BioNTech and Moderna's vaccine. The research institute is in advanced stages of developing an mRNA vaccine against Covid-19.

"While the current effort is for use against Covid-19, in future it can be tweaked against other diseases. One of the advantages of mRNA-based vaccines or therapeutics is that once established, it can be tweaked for other purposes in a matter of a few weeks," said Mishra.

Price factor

The objective, the CCMB chief says, is to manufacture cheaper priced mRNA technology that can help reduce vaccine inequality across the globe. The Pfizer-BioNTech coronavirus vaccine, for instance, was priced $19.5 (Rs 1,423) per dose in the United States, and around $21 (Rs 1,532) a dose in the United Kingdom.

"This is relatively new technology and for several reasons more expensive. Our effort is to make it affordable and, thereby, be a viable option for the population," Mishra said. The CCMB chief explained that there are three main stages in the making of mRNA vaccines — designing vaccines, synthesis/purification of stabilised mRNA and, finally, the formulations like lipid nanoparticles (LNP).

"We are in the advanced at the second stage and once completed, which we expect in the next 3 to 6 months, the product is likely to enter animal testing stage for its safety and toxicity estimation," he said. While the institute was in talks with Moderna to manufacture the American biotechnology firm's vaccine in India, the discussions haven't progressed yet.

Published in:
News18

Now, bricks from ‘waste’ sand

CSIR-NIIST

8th October, 2021

Think twice before dismissing something as ‘waste’. It could be the building block for something useful. Tonnes of waste foundry mould sand generated at the State Government undertaking Autokast Ltd will now be turned into bricks for the construction sector, courtesy a technique developed by the CSIR-National Institute for Interdisciplinary Science and Technology (NIIST) at Pappanamcode here.

Autokast managing director Prasad Mathew and NIIST director A. Ajayaghosh signed an agreement for transfer of the know-how to Autokast in the presence of Industries Minister P. Rajeeve on Thursday. This eco-friendly technology can benefit housing schemes such as the Government-sponsored LIFE Mission.

Cherthala-based Autokast, which manufactures ferrous castings components, generates 600 to 700 tonnes of foundry waste sand every month. Only a fraction of it could be reused, Autokast officials said. The rest would be discarded as waste.

NIIST developed the technology to make bricks from the silica sand through a simple, cement-bonded compression moulding technique, Dr. S. Ananthakumar, Chief Scientist, Ceramics Activity Materials Science and Technology Division at NIIST, who headed the project, said. Under the agreement, NIIST will transfer the know-how to Autokast where both the institutions will set up a brick manufacturing plant, designed to produce 4,000 bricks per day.

The cement bonding and compression moulding technique can produce high-strength bricks that meet the IS 1077 standards, according to NIIST scientists. They can also be produced in aesthetically appealing colours to suit interior designing requirements.

The project was undertaken as part of the 'Waste to Wealth' research programme of the Council of Scientific and Industrial Research (CSIR).

Published in:
The Hindu

Govt Launches Heli-Borne Survey Technology For Groundwater Mapping In Arid Regions

CSIR-NGRI

8th October, 2021

To solve the acute water crisis and help in efficient groundwater management, state-of-the-art heli-borne survey technology was launched on Tuesday, October 5. Jitendra Singh, Union Minister of State for Water Resources, launched the initiative in Rajasthan's Jodhpur. As per an official release, the technology has been developed by the Centre for Scientific and Industrial Research (CSIR) and the National Geophysical Research Institute (NGRI) Hyderabad.

Several ministers attended the flagging-off ceremony. a helicopter. Gajendra Singh Shekhawat, Union Jal Shakti Minister, recently approved the survey to create a high-resolution aquifer map to increase groundwater resources in arid areas of northwestern Rajasthan, Gujarat, Haryana, and Punjab. The survey results from a collaboration between the Central Groundwater Board, the Jal Shakti Ministry, and the National Geophysical Research Institute in Hyderabad.

Heli-borne geophysical mapping will provide high-resolution 3D images of the subsurface up to 500 metres below ground level and map potential groundwater sources.

The CSIR's water technologies, which range from source identification to water purification, will assist millions of people across the country and will help in achieving PM Modi's "Har Ghar Nal Se Jal" and "doubling farmers' income" objectives, said Jitendra Singh.

Project Will Be Implemented In Two Phases

He said that the CSIR's technological expertise would be valuable to the Jal Shakti ministry's activities. The partnership might assist the country in handling significant water concerns.

As part of the National Aquifer Mapping Project, this massive project worth ₹150 crores will be implemented in two phases, in which the first phase covers 1 lakh square kilometres.

This includes 65,000 square kilometres spread across eight districts in Rajasthan, 32,000 square kilometres spread across five districts in Gujarat, and 2,500 square kilometres spread across two districts in Haryana.

"This project is projected to raise CSIR's profile in the implementation of the Government of India's most ambitious undertaking, the Jal Jeevan Mission," the Ministry of Science & Technology said in a statement.

He noted that the new methodology would aid in water conservation and identify new locations for groundwater recharge, all at a lower cost than existing methods such as digging tube wells utilising geophysics and remote sensing techniques.

Published in:
The Logical Indian

CSIR-CDRI, IMMT

8th October, 2021

सीएसआईआर का जॉएंट कन्सुलेटिव मेसिनारी की जनरल बॉडी मिटिंग

भुवनेश्वर. सीएसआईआर- जॉएंट कन्सुलेटिव मेसिनेरी (स्टाफ साइड) जनरल बॉडी मिटिंग सीएसआईआर-आईएमएमटी के एस.एस भट्टनगर हॉल में दो दिवसीय कार्यक्रम आयोजित हो गया है. इस कार्यक्रम में 11 राष्ट्रीय परीक्षागार का कार्यकारी जेसिएम सदस्य नई जेसीएम सेक्रेटारी के चुनाव के लिए योगदान दिया. ये कार्यक्रम दो चरणों में आयोजित हुआ. पहले चरण में सीएसआईआर-एनपीएल, नई दिल्ली से साकेत विहारी एवं लक्ष्नौ के सीएसआईआर-सीडी आरआई से नव चुने गये. जेसीएम सचिव रामजित यादव द्वारा कार्यक्रम की शुरूआत की गई . सीएसआईआर- आइएमएमटी ग्रुप-2 टेक्निकल एसोसिएसन के अध्यक्ष श्यामलेंदु दिगाल सीएसआईआर लेबोरेटरी में कार्यरत कर्मियों के समस्याओं के बारे में चर्चा किया एवं कर्मचारियों की सुविधाओं के विषय में अॅथोरिटी के सामने प्रस्ताव रखने के लिए नये जेसीएम सचिव से अनुरोध किया.

Published in:
Eenadu

CSIR develops novel formulation for cost-effective, thermo-stable Insulin

CSIR-IICB, IICT

7th October, 2021

Availability of injectable insulin formulation has been a major breakthrough in diabetes management. However, insulin needs to be kept in a refrigerator, which, otherwise after some hours becomes unfit for use due to fibrillation (some kind of 'solidification'). Its prolonged storage even in normal refrigerator is also not good.

Therefore, its thermal instability and fibrillation at non-refrigerated temperatures demands storage and maintenance of cold chain, making it expensive. Further, for diabetes patients who are staying at remote locations with no refrigerator facility, or those who are travelling for long hours, the problem is more acute.

Worldwide efforts are being made to invent new formulation for thermo-stable, nontoxic and bioactive insulin. Researchers from Bose Institute, CSIR-Indian Institute of Chemical Biology (CSIR-IICB), Kolkata, in collaboration with CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, have shown that a small peptide molecule consists of four amino acids, named as Insulock prevents both heat and storage induced insulin fibrillation and thereby loss of effective quantum of insulin.

The researchers have found that the Insulock is non-toxic, non-immunogenic and heat-stable and can maintain insulin in the active form at room temperature, without any loss for months. The Insulock has been tested in mice models. This research work has been published in iScience, an international reputed journal of Cell press.

The work involves two major contributions: identification of an appropriate small peptide to inhibit the insulin from fibrillation, which has been accomplished by Dr. Subhrangsu Chatterjee, Associate Professor of Bose Institute and Dr. Partha Chakrabarti (Principal Investigators); and determination of the three-dimensional (3D) structure of the Insulock-insulin complex, and its thermal stability by using high-resolution Nuclear Magnetic Resonance (NMR) Spectroscopy, which has been accomplished by Dr. B. Jagadeesh, Chief Scientist, and Dr. Jithender Reddy, Scientist from NMR Centre of CSIR-IICT.

Dr. Jagadeesh of CSIR-IICT said that "gaining the structural insights about the Insulock" and establishing its 3D-structural similarity, with respect to the native insulin injection are crucial steps, which have been carried out at the NMR center of CSIR-IICT. This NMR-center has world class facilities with USFDA-audited and National accreditations, that are best suited for regulatory studies of drug molecules.

The Kolkata-Hyderabad scientists team hopes that, upon successful completion of trials in humans, the novel Insulock formulation can give a rich scope for producing cost-effective insulin injection, and will be extremely useful in delivering it to the patients even in resource-limited areas.

Further, the team is planning to take up the developmental activity pertaining to trials in humans by collaborating with Indian pharmaceutical industries. This discovery is expected to attract pharma giants with vested interest in thermo-stale Insulin production.

Published in:
The Federal

Identification of small molecule as biomarker is very helpful for drug discovery: Prof. Tapas Kundu

CSIR-CDRI

7th October, 2021

Lucknow: A three-day National Workshop on Small Molecule Analysis by NMR Spectroscopy & Mass Spectrometry is being organized by Sophisticated Analytical Instrument Facility (SAIF) at CSIR-Central Drug Research Institute, Lucknow from 06 to 08 October 2021. SAIF, CSIR-CDRI has been providing analytical services for more than the last 45 years and is one of the first four such facilities set up by the Department of Science & Technology (DST), Government of India in mid seventies.

At inaugural function, Director CSIR-CDRI, Prof. Tapas Kundu, said, Extensive research is being performed worldwide towards the synthesis of new small molecule-based chemical entities, identifying bioactive principles from medicinally important plant source in the search of future medicines and drugs for various diseases. Nuclear Magnetic Resonance (NMR) spectroscopy and Mass spectrometry are two complementary analytical methods that are being extensively utilized for solving the structures, quantification, and understanding the dynamic properties of molecules.

Dr. K. V. Sashidhara, Senior Principal Scientist, Head SAIF, CSIR-CDRI welcome the participants and said, the concept of the SAIF at CSIR-Central Drug Research Institute evolved around the needs of scientists and research personnel engaged in the research area of chemical and biological sciences. It provides support to researchers from various universities, Govt R&D institutes and Industry, who don't have these expensive and Sophisticated Analytical Instruments.

Grandeur returned in Skill development programs

Coordinator, Skill Development Program & Chief Scientist, Mr. Vinay Tripathi informed the participants regarding various Skill Development Programs organized by CSIR-CDRI and said that participants can take benefit of these programs to improve their skills and enhance their employability. The glory of the Skill development programs and hands-on training programs have returned again after the corona pandemic.

Later in the technical session, Dr. Sanjeev K. Shukla, Principal Scientist, SAIF, CSIR-CDRI discussed the Basics and Application of NMR Spectroscopy and provided a brief introduction of two-dimensional NMR and their applications. Dr. Sanjeev Kanojiya, Principal Scientist, SAIF, CSIR-CDRI explained the Basics and Application of Mass Spectrometry to the participants.

Dr. Sanjeev K. Shukla, Organizing Secretary of the workshop informed that hands-on training for NMR Spectroscopy and Mass Spectroscopy would be continued for two more days. In which participants will learn the know-how of these Sophisticated Analytical instruments. The certificate would be provided after completion of training.

Published in:

The Coverage

Honeywell To Set Up 10 Oxygen Generation Plants To Support Government's Fight Against COVID-19; Commits 4 In Maharashtra

CSIR-IIP

07th October, 2021

Honeywell Hometown Solutions India Foundation (HHSIF), the philanthropic arm of Honeywell, a Fortune 100 company, today announced it is setting up 10 oxygen generation plants of 600 liters per minute (LPM) capacity in government hospitals across India. In Maharashtra, these plants are being set up in Pune, Ratnagiri and Solapur districts to support healthcare infrastructure in preparation for an anticipated third wave of the COVID-19 pandemic. The first such plant was inaugurated today at Late Droupadabai Murlidhar Khedekar Hospital, Bopodi, Pune.

"Honeywell is pleased to partner with the government to strengthen healthcare infrastructure in the collective efforts to manage patient care during the pandemic," said Ashish Gaikwad, President, Honeywell India. "Timely and adequate oxygen supply can help save lives and is an essential medical aid for COVID-19 patients. We are pleased to announce the setting up of 10 oxygen generation plants of 600 liters per minute (LPM) each in remote districts of Maharashtra, Karnataka, Haryana and Uttarakhand to enable inclusive healthcare for all."

This initiative is a part of HHSIF's commitment to set up 10 oxygen generation plants under the supervision of Americares, across Maharashtra, Karnataka, Haryana and Uttarakhand. "Honeywell's support has been focused and timely. These oxygen generation plants will help save lives during COVID-19 crisis and will serve to improve the quality of critical care at the government health facilities for years to come," said Shripad Desai, MD and Country Director, Americares.

Each plant has a capacity to generate 600 LPM, enough to cater to the needs of a hospital with more than 150 intensive care units (ICU) beds. The oxygen generated onsite will be directly supplied to hospital beds, including those in ICUs. Honeywell is also funding the annual maintenance contracts of these plants for two years to ensure they function smoothly after the one-year warranty period has lapsed.

The oxygen generation plant in Pune was inaugurated in the presence of several government officials including Mr. Murlidhar Mohol, Mayor, Pune; Ms. Sunita Wadekar, Deputy Mayor, Pune; Mr. Vikram Kumar, IAS, Commissioner, Pune Municipal Corporation (PMC); and Mr. Hemant Rasne, Standing Committee Chairman, PMC.

“The Pune Municipal Corporation has been actively working on a contingency plan for a possible third wave. In the last few months, we have received great support from Honeywell in helping our efforts to contain the pandemic and enhance the healthcare infrastructure through multiple actions like setting up COVID Care Centers, oxygen concentrators and medical supplies. We are pleased with the latest support of setting up an oxygen generation plant for the Pune hospital that helps with a sustainable solution for the long term,” said Mr. Murlidhar Mohol, Mayor, Pune. He further added, “It is thoughtful of Honeywell Hometown Solutions India Foundation to help Pune become self-reliant in the fight against the pandemic.”

Elaborating on the same, Mr. Vikram Kumar (IAS), Commissioner, Pune Municipal Corporation, shared, “As we know, the city has been the worst hit due to heavy case load of pandemic and we are continuously fighting to strengthen our healthcare infrastructure. We have been well supported by Honeywell and they have done some exemplary work in the last few months to support us in our endeavor to build better healthcare infrastructure. The oxygen generation plant donated by Honeywell has helped in bringing life-saving oxygen supply to patients in Pune.”

The second wave of the pandemic put immense pressure on the country’s healthcare infrastructure. The government has put in place a multi-fold strategy in anticipation of a

third wave.[1] Honeywell, through its corporate social responsibility (CSR) efforts, is helping the government build healthcare capacities. Earlier, HHSIF set up COVID care centers in Nainital, Gurugram, Delhi and Pune, and established 10-bed ICUs in Mumbai and Bengaluru. The company also donated 1,000 oxygen concentrators, 10 ventilators, 10,000 N95 respirators, and 2,500 PPE kits to various government and private hospitals across the country.

Honeywell partnered with the Defence Research Development Organization (DRDO) and with the Council of Scientific and Industrial Research–Indian Institute of Petroleum (CSIR–IIP), to supply molecular sieve adsorbents (zeolites) to accelerate setting up of Medical Oxygen Plants (MOP) in the country.

In Maharashtra, specifically, Honeywell set up an ICU facility at the Dahisar COVID-19 Jumbo Centre in Mumbai and established a 20-bed COVID care centre at the Employees State Insurance Corporation Hospital in Bibwewadi, Pune. Honeywell also donated 120 oxygen concentrators, ventilators, N95 respirators, and PPE kits in the state.

Published in:
Pune kar news

CSIR-IHBT

7th October, 2021

गूड न्यूज | एग्रो इंडस्ट्री कारपोरेशन और आईएचबीटी पालमपुर के बीच एमओयू, किसानों को मिलेगी स्पेशल ट्रेनिंग

किसान सीखेंगे आधुनिक खेती

स्टाफ रिपोर्टर-शिमला

प्रदेश के किसानों को सीएसआईआर आईएचबीटी पालमपुर के विशेषज्ञ आधुनिक खेती सिखाएंगे। प्रशिक्षण की कमी के कारण किसान खेतों में अपनाई जाने वाली सही विधि का प्रयोग नहीं करते हैं। इसके कारण किसानों की पैदावार जहां कम है, तो कभी गलत विधि अपनाने से किसानों को उलटा नुकसान भी उठाना पड़ता है। ऐसे में अब आईएचबीटी पालमपुर के विशेषज्ञ किसानों को खेती का प्रशिक्षण देंगे। इस बारे में एग्रो इंडस्ट्री कारपोरेशन और आईएचबीटी पालमपुर के मध्य एक एमओयू साइन हुआ है। इस एमओयू में मुख्य रूप से चार बिंदुओं पर फोकस किया जाएगा। किसानों को प्रशिक्षण, मिट्टी की

सही जांच, गुलाब की खेती और एग्रो इंडस्ट्री हब बनाने पर एग्रो इंडस्टी और आईएचबीटी पालमपुर मिलकर काम करेंगे। प्रदेश में तीन जगहों को एग्रो इंडस्ट्री हब के तौर पर विकसित किया जाएगा। इनमें कंदरौणी, जाछ और परवाणू शामिल हैं। इन क्षेत्रों में एग्रो इंडस्ट्री हब बनाने में भी आईएचबीटी पालमपुर एग्रो इंडस्ट्री कारपोरेशन की सहायता करेगा। एग्रो इंडस्ट्री हब बनाने के लिए आईएचबीटी पालमपुर डीपीआर तैयार करेगा।

- तीन क्षेत्रों में बनेंगे एग्रो इंडस्ट्री हब, आईएचबीटी ही बनाएगी डीपीआर

जंगली गेंदे से समृद्ध होंगे किसान

समझौता ज्ञापन की शर्तों के मुताबिक आईएचबीटी के विशेषज्ञ किसानों को जंगली गेंदे की खेती भी सिखाएंगे। जंगली गेंदे की बाजार में जहां काफी ज्यादा डिमांड है। एक लीटर जंगली गेंदे की कीमत बाजार में 70 से 90 हजार तक है। ऐसे में एग्रो इंडस्ट्री कारपोरेशन व आईएचबीटी पालमपुर कुछ गांवों को गोद लेने वाले हैं।

“ सीएसआईआर-आईएचबीटी पालपमुर के साथ एक एमओयू साइन किया गया है। एमओयू के अनुसार हिमाचल में किसानों को प्रशिक्षण देने, मिट्टी की जांच के लिए प्रयोगशाला स्थापित करने और एग्रो इंडस्ट्री हब बनाने के लिए लिए आईएचबीटी के विशेषज्ञ सहायता करेंगे

जेएम पठानिया, प्रबंध निदेशक एग्रो इंडस्ट्री कारपोरेशन

Published in:
Divya Himachal

CSIR-CIMAP

7th October, 2021

डॉ.आकांक्षा सिंह को इन्सा युवा वैज्ञानिक पदक

■ एनबीटी, लखनऊः सीएसआईआर-सीमैप की वैज्ञानिक डॉ. आकांक्षा सिंह को इन्सा युवा वैज्ञानिक पदक 2021 के लिए चुना गया है। उन्हें यह सम्मान राइजोस्फीयर से जुड़े माइक्रोब्स के जरिए जैविक स्ट्रेस के खिलाफ संरक्षण के तंत्र में शोध के लिए दिया जा रहा है। भारतीय राष्ट्रीय विज्ञान अकादमी, नई दिल्ली की ओर युवा वैज्ञानिकों के लिए विज्ञान अकादमी पदक की स्थापना की गई है, जिसका मकसद विज्ञान और प्रौद्योगिकी में अनुसंधान योगदान देने वाले रचनात्मकत युवा वैज्ञानिकों को पहचानना है। इस साल 36 युवा वैज्ञानिकों को इन्सा युवा वैज्ञानिक पदक के लिए चुना गया है। सभी पुरस्कार विजेता को एक पदक, एक प्रमाण पत्र और एक लाख रुपये का मानदेय दिया जा रहा है। डॉ.आकांक्षा की इस उपलब्धि पर सीमैप के निदेशक डॉ. प्रबोध कुमार त्रिवेदी ने खुशी जताई है।

Published in:

Navbharat Times, Ratsriya Sahara, Jansandesh Hind

CSIR-CIMAP

7th October, 2021

CIMAP scientist selected for INSA medal

Lucknow (PNS): CSIR-CIMAP scientist Dr Akanksha Singh has been selected for the 'INSA Medal for Young Scientists – 2021' for her notable contribution towards understanding the mechanism of protection against abiotic stress by rhizosphere-associated microbes.

CIMAP spokesperson said that the Indian National Science Academy, New Delhi, has instituted the 'Science Academy Medals' for young scientists with an aim of distinguishing young scientists of extraordinary promise and creativity who have made notable research contributions in science and technology.

The 'INSA Young Scientists Medal', considered to be the highest recognition of promise, creativity and excellence in a young scientist, is given away annually to those distinguished for these attributes as evidenced by their research work carried out in India. Till 2020, 889 young scientists had been recognised. This year, about 36 young scientists have been selected for the INSA medal.

Published in:

The Pioneer News, Hindutan Times

CSIR-IICT, IICB

7th October, 2021

CSIR-IICT, IICB discover novel formulation of thermostable insulin

షుగర్ వ్యాధిగ్రస్థులకు తియ్యటి వార్త!

- 'ఇన్సులాక్' మాలిక్యూల్‌తో గడ్డకట్టని ఇన్సులిన్
- రిఫ్రిజిరేటర్ లేకుండానే నిల్వకు అవకాశం

ఈనాడు, హైదరాబాద్: మధుమేహం (చక్కెర వ్యాధి) తీవ్రత ఎక్కువగా ఉన్నవారు ఇన్సులిన్ తీసుకోవడం సర్వసాధారణం. ఇన్సులిన్ పాడవకుండా రిఫ్రిజరేటర్‌లో భద్రపర్చాలి. లేదంటే కొన్ని గంటల తర్వాత గడ్డకట్టి పనికిరాకుండా పోతుంది. ఈ సమస్య పరిష్కారానికి కోల్‌కతాలోని ఇండియన్ ఇన్‌స్టిట్యూట్ ఆఫ్ కెమికల్ బయాలజీ(ఐఐసీబీ) పరిశోధకులు ఓ సరికొత్త మాలిక్యూల్‌ని గుర్తించారు. సాధారణ ఉష్ణోగ్రతలోనూ ఇన్సులిన్‌ని గడ్డకట్టకుండా ఉంచే ఈ మాలిక్యూల్‌కు 'ఇన్సులాక్' అని పేరు పెట్టారు. దీనిని హైదరాబాద్‌లోని ఇండియన్ ఇన్‌స్టిట్యూట్ ఆఫ్ కెమికల్ టెక్నాలజీ(ఐఐసీటీ)లో న్యూక్లియర్ మాగ్నటిక్ రెసోనెన్స్(ఎన్ఎంఆర్) ల్యాబ్‌లో పరీక్షించారు. ఇన్సులిన్‌లో ఇన్సులాక్ కలిపిన తర్వాత దాని నిర్మాణాన్ని త్రీడీలో పరీక్షించి సాధారణ ఉష్ణోగ్రతలోనూ గడ్డకట్టడంలేదని గుర్తించారు. అనంతరం కోల్‌కతాలోని ఐఐసీబీలో ఎలుకలపై ప్రయోగించారు. ఆ పరీక్షలు విజయవంతం కావడంతో.. క్లినికల్ ట్రయల్స్ నిర్వహణకు ఎదురుచూస్తున్నారు. దీనికి సంబంధించిన పరిశోధన పత్రం ప్రఖ్యాత జర్నల్ 'ఏసైన్స్'లో ఇటీవల ప్రచురితమైంది.

ధరలు తగ్గే అవకాశం

ఔషధ కంపెనీలు ముందుకొస్తే అన్ని అనుమతులు తీసుకుని క్లినికల్ ట్రయల్స్ చేయాల్సి ఉంటుంది. అవన్నీ పూర్తయ్యి అందుబాటులోకి వచ్చేందుకు సమయం పడుతుంది. ఆ కొత్త ఇన్సులిన్‌ను ఎక్కడైనా నిల్వ చేసుకోవచ్చు. వ్యయం తగ్గుతుంది' అని ఐఐసీటీ నుంచి పరిశోధనలో పాలుపంచుకున్న ప్రధాన శాస్త్రవేత్త డాక్టర్ వి.జగదీశ్, మరో శాస్త్రవేత్త డాక్టర్ జితేందర్‌రెడ్డి తెలిపారు.

Published in:

Eenadu, Saakshi

CSIR-IICT, IICB

7th October, 2021

CSIR-IICT, IICB discover novel formulation of thermostable insulin

SPECIAL CORRESPONDENT

HYDERABAD

While availability of injectable insulin formulation has been a major breakthrough in diabetes management, insulin needs to be kept in a refrigerator or it will become unfit for use due to fibrillation ('solidification') after a few hours.

Besides, its prolonged storage even in a normal refrigerator is not good. Hence, its thermal instability and fibrillation at non-refrigerated temperatures demand storage and maintenance of the cold chain, making it expensive. The problem becomes acute for diabetes patients staying at remote locations with no refrigerator facility or those travelling for long hours.

Scientists from the CSIR-IICT, Hyderabad, with Bose Institute, CSIR-IICB, Kolkata, announced the discovery of a novel formulation of cost effective thermostable insulin injection on Wednesday. Their joint research helped in identification of a small peptide molecule 'Insulock', which inhibits insulin from fibrillation with the first part done by principal investigators from the Bose Institute - Subhrangsu Chatterjee and Partha Chakrabarti and determination of 3D structure of 'Insulock-insulin' complex and thermal stability by using high-resolution Nuclear Magnetic Resonance spectroscopy, was taken up by IICT's B. Jagadeesh (chief scientist) and Jithender Reddy (scientist).

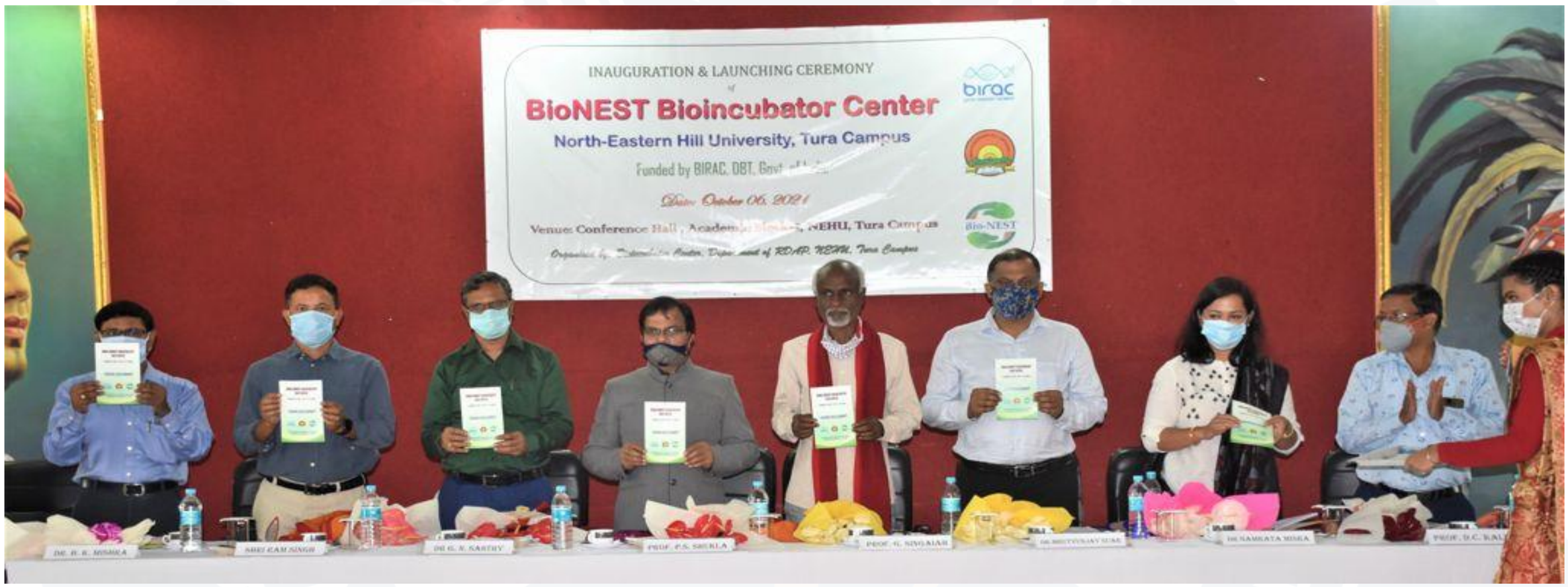
Published in:

The Hindu, Telangana Today

Bioincubator centre launched at NEHU

CSIR-NEIST

6th October, 2021



TURA, Oct 6: The first BioNEST Bioincubator Center of Garo Hills, funded by BIRAC, DBT of the Central Government was launched on Wednesday at North-Eastern Hill University (NEHU), Tura Campus.

The centre was launched by Dr. G. Narahari Sastry, Director, CSIR-NEIST, Jorhat, Assam as the Chief Guest in the presence of Dr. Mrutyunjay Suar, Director General R&D and CEO, KIIT, Bhubaneswar, Orisha who was the Guest of Honor.

Others present during the launching included West Garo Hills Deputy Commissioner Ram Singh, Prof. Prabha Shankar Shukla, Vice-Chancellor, NEHU and Dr. Namrata Misra, Head, Bioinnovation, KIIT-TBI, Bhubaneshwar, Odisha.

Published in:

The Shillong Times

CSIR-IHBT

6th October, 2021

किसानों की आमदनी बढ़ाएंगे सीएसआईआर-एग्रो इंडस्ट्री

पालमपुर (कांगड़ा)। प्रदेश में अब सीएसआआईआर पालमपुर और प्रदेश एग्रो इंडस्ट्री कॉरपोरेशन मिलकर किसानों की आय मजबूत करेंगे। किसानों की आय मजबूत करने के लिए एग्रो इंड्स्ट्री अपने कार्यक्रम चलाएगा। इसमें कई पंचायतों और गांवों का चयन भी किया गया है। इसमें सीएसआईआर संस्थान पालमपुर एग्रो इंडस्ट्री कॉरपोरेशन को फसल, सब्जी व फल को लेकर अपनी तकनीक देगा। इसके लिए दोनो के बीच मंगलवार शाम को एक एमओयू साइन हुआ है।

सॉयल हेल्थ क्लीनिक में मिट्टी की जांच होगी और यह पता चलेगा कि कौन सी जगह पर कौन खेती हो सकती है। जबकि प्रदेश एग्रो इंडस्ट्री कॉरपोरेशन की ओर से खेती के लिए चुने जाने वाले ट्रेनर (ग्रुप लीडर) में भी सीएसआईआर मदद करेगा। साथ ही इन ट्रेनरों को संस्थान ट्रेनिंग भी देगा। जिससे यह ट्रेनर किसानों को अच्छी तरह से खेती के लिए ट्रेनिंग दे सकते हैं। जबकि किसानों की आय मजबूत करने के लिए सीएसआईआर आधुनिक तकनीक भी देगा। इसमें सब्जी, फल, फ्लोरीकल्चर व ऐरोमिटिक खेती पर जोर होगा, ताकि किसानों की आय बढ़ सके। एग्रो इंडस्ट्री कॉरपोरेशन किसानों को अच्छी ट्रेनिंग देने के लिए फार्मर सेंटर कम नॉलेज हब भी खोलेगा। इसमें सीएसआईआर मदद करेगा।

वहीं सीएसआईआर के निदेशक डॉ. संजय कुमार ने कहा कि किसानों की आय को मजबूत करने के लिए सीएसआईआर संस्थान एग्रो इंडस्ट्री कॉरपोरेशन को तकनीक देगा। साथ ही उनकी ओर चुने जाने वाले ट्रेनरों के चयन में भी मदद करेगा और उनको ट्रेनिंग देगा। कहा कि मिट्टी के हिसाब पर खेती के लिए संस्थान प्रेरित करेगा। संवाद

Published in:

Amar Ujala

CSIR-IHBT

5th October, 2021

प्रयास | आईएचबीटी ने आईसीआईसीआई फाउंडेशन के साथ मिलकर उठाया बीड़ा, सीएसआईआर फ्लॉरिकल्चर मिशन के तहत लगाए जाएंगे अनेक किस्मों के फूल

फूलों की घाटी बनेगी मंडी की पराशर झील

जयदीप रिहान – पालमपुर

प्रदेश के मंडी जिला में स्थित प्रमुख पर्यटक स्थल पराशर झील के आसपास का क्षेत्र अब विभिन्न किस्म के फूलों की महक से गुलजार होगा। इस स्थान की सुंदरता व पर्यटन को को बढ़ाने हेतु पालमपुर स्थित सीएसआईआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान ने अपने फ्लॉरिकल्चर मिशन के अंतर्गत आईसीआईसीआई फाउंडेशन के साथ मिलकर पराशर झील के सौंदर्यीकरण का बीड़ा उठाया है। इसे लेकर सीएसआईआर के स्थापना दिवस पर दोनों संस्थाओं ने समझौता ज्ञापन पर हस्ताक्षर किए। एमओयू के तहत पराशर झील के संरक्षण व सौंदर्यीकरण के लिए दोनों संस्थाओं द्वारा कार्य किया जाएगा। पराशर झील क्षेत्र की जलवायु को देखते हुए आईएचबीटी के वैज्ञानिकों ने फूलों की किस्मों का चयन किया है। जानकारी के अनुसार क्षेत्र में कि कंदीय पुष्पों, देशीय फूलों और वार्षिक स्व-परागण फूलों को लगाया जाएगा, जिससे इस पर्यटक स्थल को एक नया रूप मिलेगा। इस कड़ी में दो अक्तूबर से दोनों संस्थाओं ने मिलकर काम करना शुरू कर दिया है। पहले चरण में कंदीय फूल जैसे कैलालिली, कैना व ऐगापैनथस की पौध सामग्री झील के चारों तरफ लगाई गई है और आने वाले समय में देशीय फूलों और वार्षिक स्व-परागण फूल लगाए जाएंगे। पालमपुर स्थित आईएचबीटी संस्थान सीएसआईआर के फ्लॉरिकल्चर मिशन के तहत बहुत काम कर रहा है।

अब एक अन्य संस्थान के सहयोग से प्रदेश के प्रमुख पर्यटक स्थल पराशर झील क्षेत्र को फूलों की घाटी के तौर पर विकसित करने की ओर कदम बढ़ाए गए हैं। पराशर फूल घाटी एवं संरक्षण परियोजना के तहत यहां पर काम किया जाएगा और संस्थान के वैज्ञानिकों की देखरेख में वहां गए छात्रों ने विभिन्न किस्मों के फूल रोपे हैं। *(एचडीएम)*

> “पराशर फूल घाटी एवं संरक्षण परियोजना में सीएसआईआर के फ्लॉरिकल्चर मिशन के तहत पराशर झील के क्षेत्र में फूल लगाए जाएंगे। इसके लिए आईसीआईसीआई फाउंडेशन के साथ मिलकर काम किया जाएगा। पराशर झील क्षेत्र में कंदीय पुष्पों, देशीय फूलों और वार्षिक स्व-परागण फूलों को लगाया जाएगा। इससे यहां आने वाले में समय में पर्यटकों व श्रद्धालुओं को फूलों की घाटी में होने का एहसास होगा
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> **डा. संजय कुमार, निदेशक, आईएचबीटी**

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डीएवी कॉलेज में लगी आरोग्य वाटिका, सीमैप के निदेशक डॉ. प्रबोध कुमार त्रिवेदी बोले...

हर पार्क और स्कूल-कॉलेज में सजे आरोग्य वाटिका

■ **एनबीटी, लखनऊ :** हल्दी का रोजाना इस्तेमाल सर्दी जुकाम में फायदा पहुंचाने के अलावा रोग प्रतिरोधक क्षमता को वढ़ाता है। इतना ही नहीं गठिया, जोड़ों के दर्द, त्वचा के इंफेक्शन के साथ-साथ सांस संवंधी वीमारियों में भी असरदार है। मोतीनगर डीएवी पीजी कॉलेज में सोमवार को सजी आरोग्य वाटिका में यह जानकारी दी गई। एनवीटी आरोग्यम अभियान के तहत हुए आयोजित कार्यक्रम में वतौर मुख्य अतिथि सीएसआईआर-सीमैप के निदेशक डॉ. प्रवोध कुमार त्रिवेदी शामिल हुए। उन्होंने कहा कि शहर के पार्कों से लेकर प्रत्येक स्कूल-कॉलेज में आरोग्य वाटिका लगनी चाहिए। इससे विद्यार्थियों को औषधीय पौधों का महत्व पता चलेगा। इससे पूरे समाज को रोजमर्रा की जिंदगी में औषधीय पौधों के इस्तेमाल से होने वाले फायदों की जानकारी होगी।

वाटिका में डीएवी के शिक्षकों ने लगाए औषयीय पौधे। मुख्य अतिथि ने औषयीय पौधों के बारे में बताया।

डॉ. त्रिवेदी ने नवभारत टाइम्स के आरोग्यम अभियान की सराहना करते हुए कहा कि सीमैप पिछले 62 साल से औषधीय पौधों पर काम कर रहा है। हालांकि पिछले दो साल में आरोग्य वाटिका अभियान के साथ जुड़कर अलग ही पहचान मिली है। आम लोगों से सीमैप का जुड़ाव हुआ है, जो सराहनीय है। उन्होंने कहा, सीमैप 24 राज्यों में औषधीय पौधों पर काम कर रहा है। लखनऊ तो अपना शहर है। यहां हर पार्क और स्कूल कॉलेज में आरोग्य वाटिका लगाने में पूरा सहयोग किया जाएगा।

विशिष्ट अतिथि नवभारत टाइम्स के रेजिडेंट एडिटर सुधीर मिश्र ने आरोग्य वाटिका अभियान की जानकारी दी। उन्होंने वच्चों से प्रकृति के साथ संतुलन वनाए रखने और खान-पान व लाइफस्टाइल में वदलाव लाने की वात कही। इसके साथ ही कार्यक्रम में आरोग्य वाटिका के अगले पड़ाव, जिसमें स्कूल और कॉलेजों के साथ-साथ घरों में रूफ टॉप गार्डेनिंग पर भी चर्चा की गई। इस दौरान एक्सपर्ट्स ने कहा कि आज के दौर में सब्जियों में कीटनाशकों के वढ़ते इस्तेमाल से कैंसर जैसी वीमारी वढ़ रही हैं। ऐसे में घरों में ऑर्गेनिक खेती करके अपनी सब्जी उगा सकते हैं। रूफ टॉप गार्डेनिंग के लिए कई आसान और सुरक्षित तरीके भी हैं।

डीएवी कॉलेज में दीप जलाकर आरोग्य वाटिका कार्यक्रम की शुरुआत की गई।

डिप्टी सीएम ने किया था ऐलान

प्रदेश के डिप्टी सीएम डॉ. दिनेश शर्मा 18 सितंबर को एनबीटी आरोग्य वाटिका में शामिल हुए थे। उस दौरान उन्होंने डिग्री कॉलेजों में भी आरोग्य वाटिका विकसित करते हुए वहां स्टूडेंट्स को आयुर्वेद और औषधीय गुणों से परिचित कराने का ऐलान किया था। इस कड़ी में डीएवी डिग्री कॉलेज ने पहल करते हुए सोमवार को वाटिका लगवाई।

लगे पौधेः

आरोग्य वाटिका में 25 से 30 पौधे लगाए गए। इनमें हल्दी, चंदन, मीठी नीम, गिलोय, सर्पगंधा, वच, ब्राह्मी रहे।

पौधों की देखभाल का लिया संकल्प

कार्यक्रम की अध्यक्षता करते हुए कॉलेज के मैनेजर मनमोहन तिवारी ने आरोग्य वाटिका के लिए एनबीटी और सीमैप का आभार जताया। उन्होंने कहा कि कॉलेज हमेशा से समाज के प्रति अपने दायित्वों का निर्वहन करता रहा है और आगे भी करेगा। साथ ही आश्वासन दिया कि आरोग्य वाटिका में लगे पौधों की देखभाल की जाएगी और इसे बढ़ाया जाएगा। इस दौरान कॉलेज में आईक्यूएसी के निदेशक डॉ. राजीव कुमार त्रिपाठी ने कार्यक्रम की रूप रेखा रही। प्राचार्य डॉ. अंजनी कुमार मिश्र ने अतिथियों का आभार जताने के साथ आरोग्य वाटिका विकसित करने वाले सभी लोगों का धन्यवाद दिया। कार्यक्रम में शिक्षक, स्टाफ और विद्यार्थी मौजूद रहे।

सबने सराहा

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