

CSIR IN MEDIA



CSIR

NEWS BULLETIN

21 TO 25 NOVEMBER 2021



One day workshop on lithium battery recycling at NML

CSIR-NML,CECRI

25th November, 2021

Jamshedpur, Nov 25: A one-day industry meet on lithium battery recycling was organized at National Metallurgical Laboratory (NML) on Thursday, November 25. Dr I Chatteraj, Director, NML, Dr RP Singh, CSIR HQ, New Delhi and Dr Sanjay Kumar, Director, NML mentioned the importance this event had because of demand of lithium in India. Dr Singh



deliberated on the need of LIB recycling in India to produce metals like lithium, nickel, cobalt and manganese, so that the 100 MW battery manufacturing plant at CSIR-CECRI Karaikudi could be self-sufficient. Dr Sanjay Kumar mentioned about the vision of CSIR for strategic metals and the advances in NML for such technologies. Dr Abhilash emphasised the motto of the event to bring in more start-ups to take up NML technology for LIB recycling.

The presentation from Li-Cycle from the US mentioned of its development in LIB recycling, which paved the way for strong discussion and aspirations among the Indian participants. There was a presentation from Argus Media and Benchmark Intelligence, that drew the participants' attention to the demand for battery metals globally with special attention to India and Asia.

The event was attended by 27 organisations outside the CSIR domain. Some of them were Renault-Nissan, Star Exports, SD Auto, Auto Fibre Craft, Remap Technologies, Hira Ferro Alloys, E-Reclaim, Li-Circle, among others. The camp was also addressed by Rishab Chopra (Li-Cycle), N. Kaalaselvi (CECRI), Pratima Meshram (CSIR-NML), Sushma Mothraina (SME

Forum), Arpita De (ICEA), Manish Dua (Benchmark), Will Talbot (Argus), Debi Dash (IESA) and Dr Subramani from Renault Nissan.

The event included an exclusive lab scale demonstration of the CSIR- NML holistic process for lithium battery recycling that could extract all metals including Li, Ni, Co, Mn, Al, Cu and graphite from spent batteries of mixed chemistries.

After the visit to the recycling lab, there was an exclusive industry pitch session (chaired by Director, CSIR-NML, Dr RP Singh, Dr SK Pal and Dr TC Alex) that was highly appreciated by industries' representatives who pitched their problems, scenario analysis and mode of collaboration, issues in dismantling, availability of batteries, purity issues and other related facets. The session paved the way for a long time collaboration among NML and the companies and institutions present.

The event concluded with the signing of agreements with two start-ups, Remap Technologies and Star Exports, who will soon be a technology licensee with CSIR-NML for lithium battery recycling. The valedictory session ended with a vote of thanks offered by Dr Abhilash.

Training programme for farmers in beekeeping

CSIR-IHBT

25th November, 2021

The CSIR-IHBT, Palampur, in collaboration with the ICICI Foundation, Mumbai, organised two training-cum-awareness programmes in the state. The first programme for 'Integration of Apiculture in Floriculture and Aromatic Crops' was attended by 43 farmers at Shegli and Tihri villages in Mandi district. The other event conducted at Samoh and Vijaypur villages of Bilaspur district was attended by 53 farmers.

Farmers were trained in various aspects of modern beekeeping viz., management of bee colonies, pest and disease management of bees and cultivation of nectar plants for the year-round production of honey. Besides, visual demonstration of improved beehives for quality and hygienic extraction of honey was also given to farmers, along with honey byproducts (bee wax, pollen and propolis).

Sanjay Kumar, Director, CSIR-IHBT, asked farmers to integrate apiculture in floriculture, aromatic and fruit crops rich in nectar for pollination, higher production and additional income. —OC

नायुदम्मा मेमोरियल क्रिकेट टूर्नामेंट 26 तक खेला जाएगा

खेलकूद

- सीएसआईआर-आईएमएमटी भुवनेश्वर का आयोजन
- इस स्पर्धा में विभागों और मंत्रालयों से संबद्ध 8 टीमों खेल रही



भुवनेश्वर. सीएसआईआर-आईएमएमटी, भुवनेश्वर सीएसआईआर- स्पोर्ट्स प्रमोशन बोर्ड (एसपीबी), नई दिल्ली की ओर से 23 से 26 नवंबर-2021 के दौरान नयुदम्मा मेमोरियल क्रिकेट टूर्नामेंट की मेजबानी कर रहा है. यह टूर्नामेंट सीएसआईआर के पूर्व महानिदेशक प्रो. वाई. नयुदम्मा की गहरी यादों में खेला जा रहा है. 4 दिनों तक चलने वाले इस टूर्नामेंट का उद्घाटन प्रोफेसर डॉ. एस बसु, निदेशक, सीएसआईआर- आईएमएमटी भुवनेश्वर और नयुदम्मा मेमोरियल क्रिकेट टूर्नामेंट के अध्यक्ष ने मुख्य अतिथि सुश्री दुती चांद, भारतीय धावक और अतिथि प्रो. सुधाकर

पांडा, निदेशक एनआईएसईआर भुवनेश्वर की उपस्थिति में किया. सीएसआईआर-आईएमएमटी भुवनेश्वर के निदेशक भी इस टूर्नामेंट के अध्यक्ष हैं. टूर्नामेंट के प्रतिभागी (एनएमसीटी-2021) सरकार के विभिन्न विभागों और मंत्रालयों से संबद्ध हैं. इस वर्ष के टूर्नामेंट में भाग लेने वाली आठ टीमों हैं (1) वैज्ञानिक और औद्योगिक अनुसंधान परिषद (सीएसआईआर), नई दिल्ली (2) विज्ञान और प्रौद्योगिकी विभाग (डीएसटी), नई दिल्ली, (3) संघ लोक सेवा आयोग (यूपीएससी), नई दिल्ली, (4) भारत मौसम विज्ञान विभाग (आईएमडी), नई दिल्ली, (5) इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय

(एमईआईटीवाई), नई दिल्ली (6) राष्ट्रीय विज्ञान शिक्षा और अनुसंधान संस्थान (एनआईएसईआर) भुवनेश्वर, (7) जीएसटी, केंद्रीय उत्पाद शुल्क और सीमा शुल्क, भुवनेश्वर क्षेत्र, और (8) सीएसआईआर- आईएमएमटी, भुवनेश्वर. 20-ओवर प्रारूपित टूर्नामेंट 23-26 नवंबर, 2021 के दौरान भुवनेश्वर के आसपास के तीन स्थानों, अर्थात् सीएसआईआर-आईएमएमटी क्रिकेट फील्ड, हाई-टेक स्पोर्ट्स ग्राउंड और आईडीसीओ मनोरंजक मैदान पर खेला जाना है. टूर्नामेंट का फाइनल 26 नवंबर 2021 को सीएसआईआर- आईएमएमटी क्रिकेट फील्ड में खेला जाएगा.

India's first virtual science lab launched for students: Here's what the Govt wants to achieve with it

CSIR

24th November, 2021

India's Union Minister of State for Science & Technology, Jitendra Singh just inaugurated the country's first virtual science lab for children under the CSIR Jigyasa programme. The government has said that the virtual science lab will help students connect with scientists across the country. Singh during the inauguration stated that the virtual lab is a new beginning



and that the platform will help take science to all segments of students in every corner of the country. He also added that the lab is also in tune with the National Education Policy (NEP), where students are allowed to choose any subject and the concept of streams has been disbanded.

Why introduce the new facility?

According to a release issued by the ministry, this new facility will benefit the students from Kendriya Vidyalayas, Navodaya Vidyalayas and government schools, catching them young and building an interest in science. Singh even said that Prime Minister Narendra Modi during a CSIR Society meeting last year had appreciated the scientist-student connect programme, Jigyasa, while at the same time stressing the importance of developing virtual labs.

The new virtual science lab facility has been developed by CSIR in partnership with IIT Bombay under the CSIR Jigyasa programme, which facilitates classroom learning with laboratory research for school students. The target audience for the virtual lab is children between the ages of 11-18 years, studying in classes VI to XII, and who would like to explore science via activities.

With the facility students will be provided with quality research exposure and innovative pedagogy to help them drive their scientific curiosity with the help of an online interactive medium. The platform will consist of simulated experiments, pedagogy based content, videos, chat forums, animations, gaming, quiz, facility sharing, webinars and more.

All of the content will initially be made available in English. However, the ministry has said that it plans to increase the availability of the content in Hindi and other regional languages.

The virtual lab will provide students with a virtual tour of CSIR laboratories and showcase the research infrastructure. The platform will also allow students to interact with scientists and learn from them.

Science Fest should be a medium to introduce new generation to history of Indian science: Sakhlecha

CSIR-AMPRI

24th November, 2021

“The new generation must be acquainted with the glorious, successful and inspiring history of Indian science. I believe that Vigyan Mahotsav will be a medium for this. IISF is a festival, not a science conference or symposium,” said Minister of Science and Technology and MSME Omprakash Sakhlecha at the curtain raiser programme of India International Science Festival (IISF)



2021 at Vigyan Bhawan in New Delhi on Tuesday. He said that next Science Festival should be considered in the centre of the country, because so far the festival has not been held in Madhya Pradesh. Jayant Sahasrabuddhe, National Organising Secretary of Vigyan Bharati and a member of the Festival Organising Committee, said that science is the identity of India, which the British rulers tried to raze before independence. He said that the Science Festival is for every citizen of India, in which students to general public can participate. This time the festival will be on both virtual and live mode.

Director General of MP Council of Science and Technology Dr. Anil Kothari said that this is the biggest science festival in Asia. We want that the students and general public of Madhya Pradesh should get information about science through this festival. Dr. Avnish Kumar Shrivastava, Director, CSIR-AMPRI said that science cannot be limited to laboratories. Science has played an important role in economic development and creation of employment opportunities. Chairman of Madhya Pradesh Private University Regulatory Commission, Dr Bharat Sharan Singh said that such an event should have been started in 1947. Vigyan Mahotsav will be a platform for exchange of ideas along with providing joy and healthy

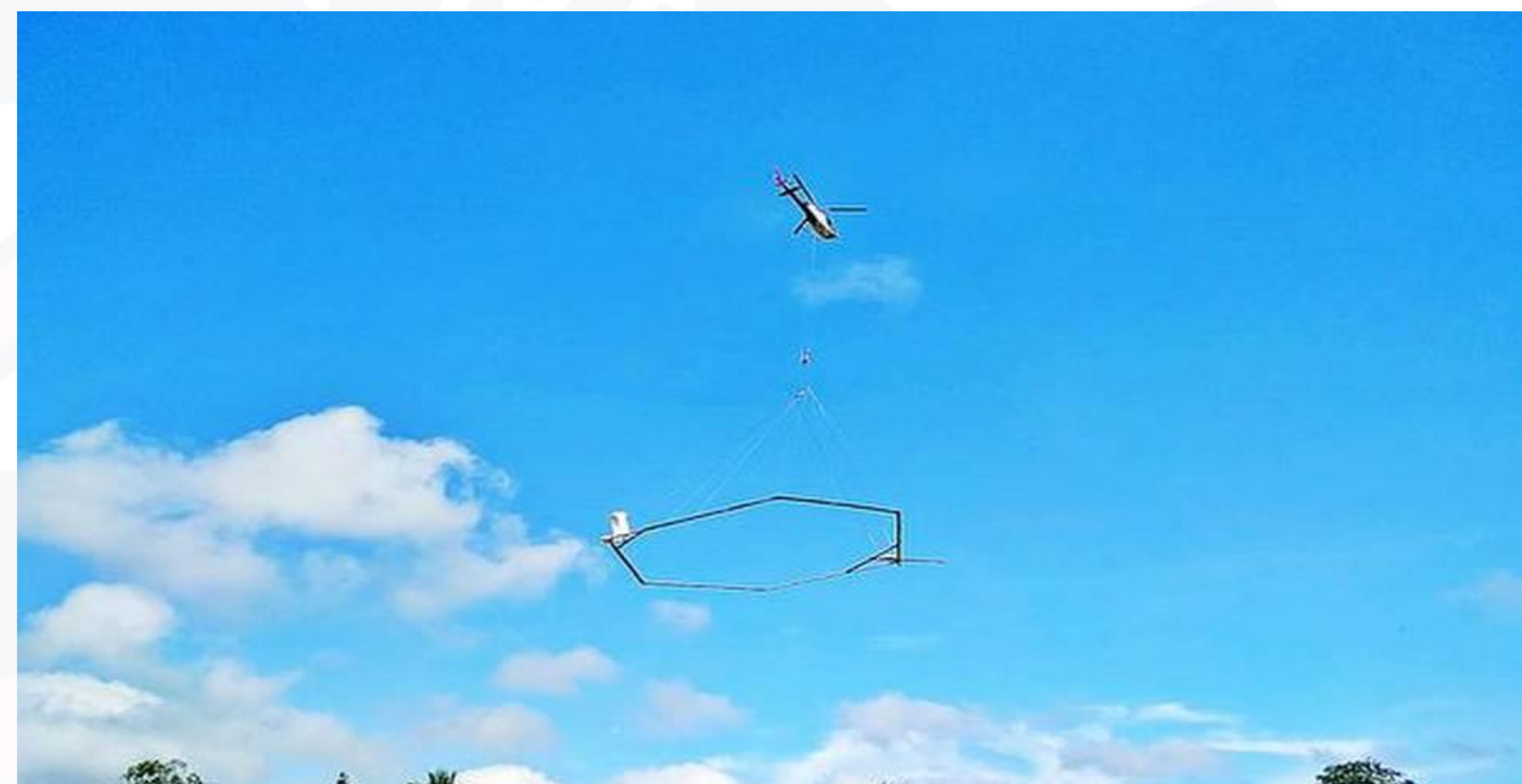
entertainment. He said that rocket science is a gift of India. Dr Rakesh Kumar Arya, Chief Scientist of the Council told in the presentation on IISF 2021 that the 7th Vigyan Mahotsav will be held in Panaji during December 10-13. There will be 12 events including Science Film and Science Literature Festival.

Konkan Railway begins aerial survey for Thalassery-Wayanad line

CSIR-NGRI

24th November, 2021

The Konkan Railway Corporation Limited (KRCL) on Wednesday launched the survey for the proposed Thalassery-Wayanad-Mysuru rail line in Wayanad by using the heli-borne geophysical mapping technique of the CSIR-National Geophysical Research Institute (NGRI), Hyderabad. The 10-day survey will assess the structure of the soil, rock formations, underground water sources,



and marshy lands through which the proposed rail line will pass, sources said. The base of the survey has been set up on the helipad near St. Mary's College ground at Sulthan Bathery.

Two rounds

Two rounds of survey were conducted on Wednesday with electromagnetic instruments attached to the helicopter. The chopper flew at a height of 50 metres with the instruments and recorded high resolution 3D image of the sub-surface up to a depth of 500 metres below the ground. It would be assessed later, sources said. The survey would be completed in Wayanad in two days and later, it would continue in Thalassery area in Kannur district, the sources said.

Advantages

The main advantages of the heli-borne geophysical survey was that it was fast, highly data dense, precise and economical, the sources said. However, the officials refused to reveal more details on the survey to the media.

Published in:

[The Hindu](#)

Delta variant can infect fully vaccinated individuals: Study

CSIR

24th November, 2021

A study has revealed that the highly transmissible Covid Delta variant can infect individuals who have been fully vaccinated against the virus. The study was conducted by the Indian SARS-CoV-2 Genomics Consortium (INSACOG), Council Of Scientific And Industrial Research (CSIR) and the National Centre for Disease Control in two Delhi hospitals.

It has revealed that vaccination protects against hospitalisation and the severity of infection but there is also a possible risk of transmission in very vulnerable people. The researchers from INSACOG and CSIR analysed data on 113 breakthrough infections among health workers by constructing a probable transmission network from epidemiological and virus genome sequence data using computational approach.

The study has highlighted the need for infection control measures even amongst fully vaccinated people. It also revealed a high probability of potential virus transmission between individuals who has received both doses of vaccines.

Meanwhile, the INSACOG in its last bulletin had said that Delta strain continues to be the main variant of concern (VOC) in India. "Delta (B.1.617.2 and AY.x) continues to be the main VOC in India. No new VOI or VOC are noted and other VOC and VOI other than Delta are now negligible in sequencing data from India," the INSACOG added.

The Consortium also said that other variants of interest or concern are now negligible in sequencing data from India.

Published in:

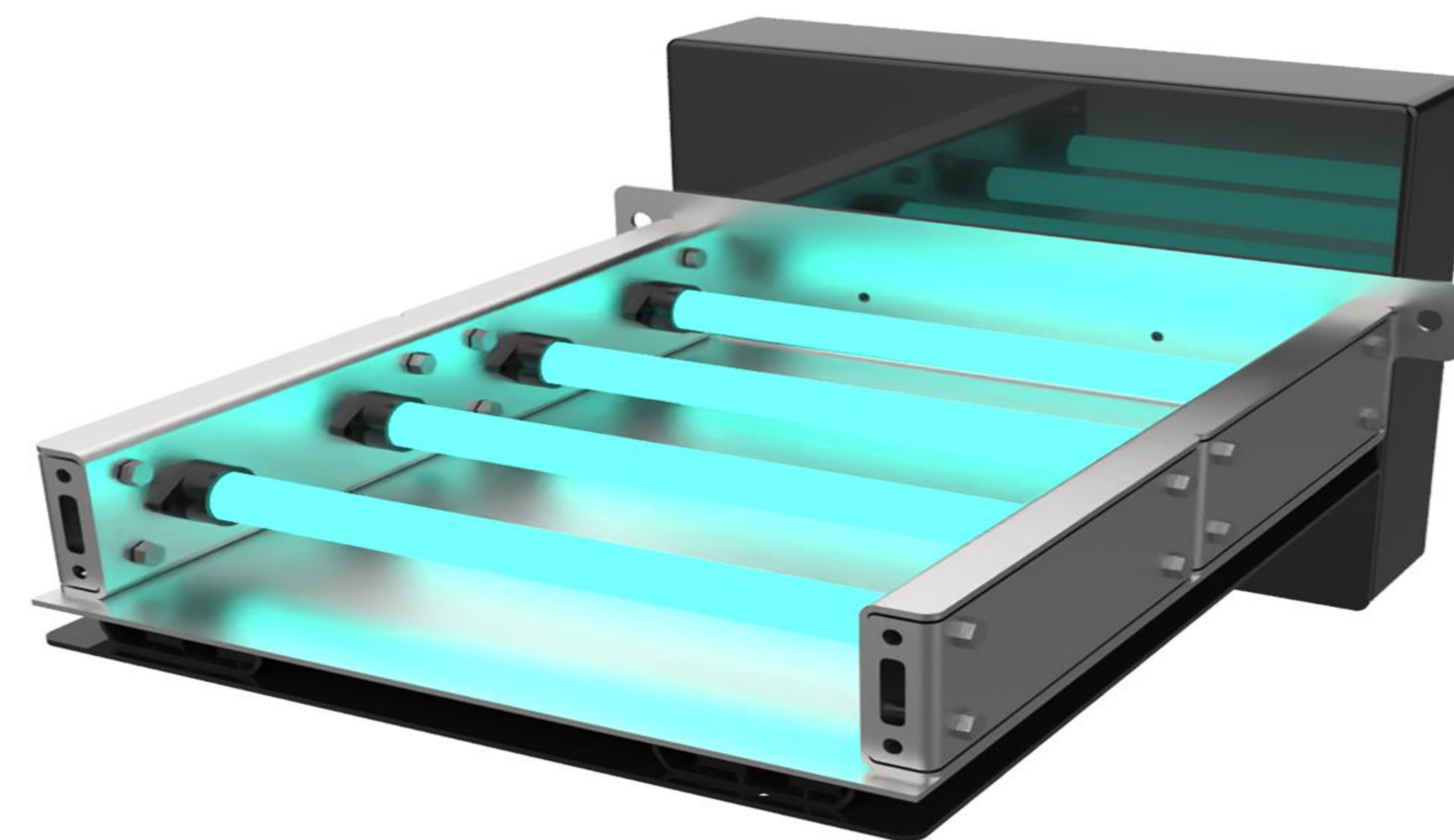
[Tribune India](https://www.tribuneindia.com)

Latest technology is helping in fight against pandemic and pollution: Airific Systems' Ankit Sharma explains

CSIR-CSIO

23rd November, 2021

During the Pandemic, people are refraining from travelling in public transport such as AC buses, CARs trains, and metros. Reason – the danger of the SARS-Covid-19 virus that has emerged as the biggest health threat globally is still looming. After the first wave, overcrowding at the public places benefitted the virus and its variant led to an increase in mortality rates especially in India. Till date,



numerous efforts have been made to control the spread of the virus and saving lives have been the biggest challenge. Also being pre-prepared for the mutant phases where the virus becomes even deadlier is one of the major hurdles that need to be crossed. To restrict the spread of the virus and to provide safer outdoor air, UVHeal by Airific Systems Pvt. Ltd. in collaboration with CSIR-CSIO has introduced the Clean Air UV-C Induct System to disinfect the air inside Railways, Metros, and Buses. Financial Express Online caught up with Ankit Sharma, Director, Airific Systems Pvt. Ltd. to know more about Clean Air UV-C Induct System. Excerpts:

As you know, Delhi faces a massive pollution issue every year. So, what kinds of services do you provide to improve the situation?

In the current scenario, the majority of firms are steadily resuming operations, we cater to the likes of everyone who is looking to create a healthy atmosphere in their organizations. As the world is going through the worst ever public health crisis, multiple challenges are cropping up with infections taking place from viruses. Many of these viral infections are proven to be airborne. To overcome this biggest challenge, we have introduced two products, one is UV heal Safe air, an ultra-modern 'UV-Based HVAC Air Disinfectant which is appropriate for

indoor air pollutants and viruses, be it residential, hospitals, hotels, malls, large commercial complexes, public places. UV Heal Safe Air can easily be installed in the HVAC systems of any property without any modifications. Second, we have recently introduced UV-C-based disinfection solutions for transportation systems to disinfect the air inside Railways, Metros, and Buses.

Technology's role to escalate human lifestyle and its ecosystem?

Technology has made our life so easy and has given us so many facilities, which we could never have imagined before. It is very powerful and nothing is as good as technology at improving life. Technology can affect the human lifestyle and its ecosystem both ways. New technology changes our lives very much and takes them to a new level. It is like a new way of thinking or doing the normal things differently, better, and much faster with less hassle and a much easy way out. At the same time, technology has not only enhanced the standard of living of human beings but has brought revolutionary shifts in the field of development of the country and the world. Nevertheless, the growing technology is also having a bad impact on the environment and human health.

What was the motivation behind this start-up and how has been the journey since then?

Well, to answer this question, I would need to go even further back. I am an engineer by education from The University of Texas at Austin. Therefore you can imagine technology has always been at the forefront of what I decide to do. We, as a family, have other businesses in the commercial real estate field, and we also develop and market building and energy management systems. UVGI systems for air disinfection are something we always discussed as a company to implement within our campuses. But for one reason or the other, it never came to fruition until COVID-19 struck. It quickly became apparent how important it is to disinfect the air that we breathe in indoor environments, and unfortunately (or fortunately for me), there were no organized players here in India that developed such systems, and the ones abroad were too busy with their internal requirements. It was then that we decided that we will manufacture our own systems, design software, and will provide clean air to as many people as we can because everyone deserves to breathe free & I must say it has been a fun journey ever since.

What makes UV Heal different from other platforms?

UVGI is a new segment that has emerged in the Indian market post- Covid. However, UV is a well-established technology. There are so many companies that are providing solutions to various sectors like Corporate Offices, IT Companies, Hospitals, Food, Pharma, Restaurants & café, Mall etc. For different applications like sanitizing the food packaging line, disinfecting tools in the operation theatre, and many more. Coming to UVGI for HVAC systems, various companies are offering the solution for coil-based applications, but there is no expertise for duct-based systems and designing standards. We at Airific Systems are following the standards as per ASHRAE's guidelines, our technology and features make us different.

Tell us something about your product portfolio.

After the great success of UVhealSafeair, an in-duct disinfectant that is installed in centralized air conditioning systems where there is continuous airflow. We have now recently introduced UV-C-based disinfection solutions for transportation systems. The UV-C-based air disinfectant is CE-certified, and NABL approved. This comes along with the fire/smoke sensors which is a necessary safety feature.

Could you please shed some light on your new product – UV-C-based disinfection solutions for the transportation systems?

As we all know that during the Pandemic, people are refraining from traveling in public transport due to the danger of the Covid-19 virus. To restrict the spread of the virus and to provide safer outdoor air, we at Airific Systems Pvt. Ltd. in collaboration with CSIR-CSIO has introduced the Clean Air UV-C Induct System to disinfect the air inside Railways, Metros, and Buses. The UV-C-based air disinfectant is CE-certified and NABL approved. The UV-C is an energy-efficient system, improves airflow through coils, enhances indoor air quality, requires less maintenance, and is easy to retrofit with any existing system having AHU, Cassette AC, CSUs ducts, or suitable fit-outs, and it's a budgetary solution. The system comes with commercialized standards and certifications. The systems have PRE successfully passed through the rigorous testing process of India's highest certifying agency and are determined to be 99% effective against the virus. We believe that this will help our country to come out of

the Pandemic disaster and move ahead. Our motive behind launching this UV-C air disinfectant is to make people reach their workplace in the safest manner and I say it with this accreditation, UVHeal's R&D Team has gifted a layer of safety against COVID-19 for working employees." UVHeal Clean-Air is one of the most innovative products that give a strong voice to the 'Atma Nirbhar Bharat' movement.

Published in:

[Financial Express](#)

CSIR-CFTRI develops beverage from coffee leaves; set for tech-transfer

CSIR-CFTRI

23rd November, 2021

CSIR-CFTRI (Central Food Technology Research Institute) has now developed a beverage from coffee leaves. The technology transfer is underway and several food processing industries have evinced interest. The product according to the institute is less in caffeine, rich in polyphenols and acts as antioxidant.

The Mysuru-based CSIR-CFTRI had been working on coffee valorisation since a decade. A couple of research papers have been published on the utilisation of coffee pulp, coffee cherry husk, silver skin parchment husk and spent waste.

"We developed a technology on bio-actives from green coffee with zero waste. In 2012, we wrote review paper on the utilisation of coffee by-products for sustainability and also received award in 2019 for being the best 30 papers in 30 years from Elsevier journal. We extracted anthocyanin from coffee pulp, obtained polyphenols and other biomolecules from coffee wastes," stated Dr Pushpa Murthy, Principal Scientist and Professor, AcSIR, Department of Spice & Flavour Science, CSIR-CFTRI, while speaking to FnB News.

"The process development know-how is ready and very soon we will release the technology for the public domain. Few industries are already waiting for the release for the process." This two year spanning from 2019 to 2021, was project funded by Ministry of Food Processing in 2019 under the development of value-added products from coffee leaves. For this two-year project, the 5-member research team included a scientist, research scholar, technical officer and project assistant. "The development of the technology was done in the first year but due to Covid pandemic constraints of travel in the state, we could not explore more coffee varieties and regions. But now we are in full swing to scout for more varieties," she added. "We surveyed mainly Arabica and Robusta from all coffee growing regions in the country covering India like Kodagu, Chikmagalur, Tamil Nadu and Kerala and also a few

North-East states. We also are into specific sub-species of Arabica,” she said.

On whether there are similar products in the market, Dr Murthy said that a couple of them that are marketed on Amazon are Arku coffee leaf tea. Globally there are a few developments like for instance the Kutti tea, Kahwa daun from Ethiopia and Indonesia but the preparations modes are different from the institute.

From CSIR-CFTRI perspective of the future developments, Dr Murthy stated, “We are working on innovative coffee processing methods like honey coffee process, carbon maceration and pre treatments for improvement coffee. We have developed starter cultures for coffee processing to obtain quality coffees and would like to make it available for coffee farmers.”

NEIST, Jorhat in collaboration with LDWS of Oyan conducts awareness cum training programme on MAPs at Oyan village

CSIR-NEIST

22nd November, 2021

PASIGHAT (By Maksam Tayeng)- A one-day farmers training cum awareness programme was conducted at Oyan village under Silte-Oyan Circle here in East Siang district of Arunachal Pradesh by CSIR-North East Institute of Science and Technology (NEIST), Jorhat, Assam on Sunday, 21st November in collaboration with Lisang Donyi Welfare Society (LDWS) of Oyan village.



The training imparted the farmers with knowledge on different aspects of cultivation, processing, marketing prospects of important and valuable medicinal and aromatic plants in Arunachal Pradesh. In this program a team of eminent scientists from Agrotechnology and Rural Development, CSIR-NEIST, Jorhat, Assam under the leadership of Dr. Mohan Lal, Senior Scientist (Medicinal and Aromatic Plants) imparted valuable knowledge on the cultivation of high yielding compound rich varieties developed by CSIR-NEIST, Jorhat.

In the first session, Dr. Lal briefed about the cultivation practices, harvesting techniques and processing of high yielding varieties of lemongrass like 'Jor Lab L-8', Java Citronella 'Jor Lab C-5'. He also informed the attendees that these two varieties developed by the CSIR-NEIST, Jorhat are also registered with ICAR, New Delhi which has higher returns in terms of essential oil yield in comparison to other released varieties.

In the next session, Dr. Lal presented a lecture on cultivation practices of another developed high yielding variety of patchouli viz., 'Jor Lab P-1', Kaempferia galanga 'Jor Lab K-1', Kali

haldi 'Jor Lab KH-2'. He also enlightened programme attendees on the detailed cultivation practices of high yielding fruits, capsaicin rich and disease tolerant variety of Bhoot Jolokia (hottest chilli) namely, 'Jor Lab BJ-2' and 'Jor Lab BJ-3' which are presently under seed production stage.

Kaling Taloh, a progressive farmer of Runne village under Pasighat circle shared his experience of cultivation of CSIR-NEIST, Jorhat developed varieties and on the ongoing cultivation of various MAPs including Bhoot Jolokia (locally called Maan Mirsi/Sibhor). He also stressed on the importance of higher returns of high yielding varieties compared to the conventional cultivation practices and the role of marketing in the same. During the program quality planting materials of MAPs were also distributed among the attendees.

In the end, Jitendra Pait, Secretary, Lisang Donyi Welfare Society of Oyan village welcomed all the participants as well as trainers for smooth conduction of the training. He also ensured that farmers will be planting the new high yielding varieties of MAPs in order to double the farmers' income.

Nayudamma Memorial Cricket Tournament organised by CSIR-IMMT Bhubaneswar

CSIR-IMMT

22nd November, 2021

Bhubaneswar: CSIR-IMMT, Bhubaneswar is hosting Nayudamma Memorial Cricket Tournament during 23rd to 26th November-2021 on behalf of CSIR- Sports Promotion Board (SPB), New Delhi. This tournament is being played in profound memories of Prof. Y. Naydamma, the ex-Director General of CSIR. The 4 days long tournament was inaugurated today by Prof. Dr S Basu, The Director, CSIR-



IMMT Bhubaneswar and the chairman of Nayudamma Memorial Cricket Tournament in the presence of Hon'ble Chief Guest Ms. Dutee Chand, Indian sprinter and Hon'ble Guest of Honour Prof. Sudhakar Panda, Director; NISER Bhubaneswar at the CSIR-IMMT Bhubaneswar. The Director, CSIR-IMMT Bhubaneswar, is also Chairman to this tournament. The participants of the tournament (NMCT-2021) are affiliated to various Department and Ministries of Govt. of India and associated autonomous bodies. The eight teams participating in this year's tournament are (1) Council of Scientific and Industrial Research (CSIR), New Delhi (2) Department of Science and Technology (DST), New Delhi, (3) Union Public Service Commission (UPSC), New Delhi, (4) India Meteorological Department (IMD), New Delhi; (5) Ministry of Electronics & Information Technology (MeitY), New Delhi (6) National Institute of Science Education and Research (NISER) Bhubaneswar; (7) GST, Central Excise & Customs, Bhubaneswar Zone; and (8) CSIR-IMMT, Bhubaneswar. The 20-over formatted tournament is to be played during 23-26th Nov., 2021 at three venues around Bhubaneswar, namely, CSIR-IMMT cricket Field, Hi-Tech Sports ground and IDCO recreational ground. The final of the tournament shall be played at CSIR-IMMT Cricket Field on 26th Nov 2021.

Published in:

[Orissa Diary](#)

Experts warn against overutilisation of natural resources

Odisha Science & Environment Cong launched

PNS ■ CUTTACK

The humanity has accomplished colossal progress in course of time, notably over the past two centuries consequent to industrial revolution, harnessing the splendid inventions and discoveries of science and technology in diverse frontiers. It has provided ultramodern lifestyles and brought the world to a new high of civilisation.

Technological advancements have brought about massive production of manufactured goods by overutilisation of natural resources to meet the ever-expanding material demands of the exploding population. The major sources of energy generation being the fossil fuels like coal, petroleum and natural gas, there has been unrestrained emission of greenhouse gases into the

atmosphere. Further, unsustainable modes of development have brought about unforeseen detrimental consequences and degradation of environment.

Despite the advancements and economic prosperity at large, there is ample skepticism about the future of the living world. Several existential and catastrophic challenges confront the mankind that obviously makes the picture of the attained progress less rosy. The threats to human survival range from pandemics of new diseases like Covid-19, human-induced global warming and climate change, ecosystem dysfunction and loss of biodiversity, chemical pollution, human population surpassing the earth's carrying capacity, food insecurity and nutritional deficiency, and advent of powerful, uncontrolled new technologies that may put the future generations at risk.

In this context, science and technology has to play a very



significant role to counteract these challenges to the existence of the living system. So, realistic remedial measures have to be undertaken.

The distinguished guests expressed such opinion while addressing the inaugural function of the 22nd Odisha Bigyan 'O' Paribesh Congress held at the Ravenshaw University here organised under the joint auspices of the Orissa Environmental Society and the Ravenshaw University.

Dr Ajay Parida, Director, Institute of Life Sciences, Bhubaneswar, was chief guest

and Prof Shuddhasattwa Basu, Director, Institute of Minerals and Materials Technology, Bhubaneswar, was keynote speaker in the function presided over by Prof Asima Sahu, Chairperson of the PG Council of the university.

Dr Parida said the application of science and technology has to play a significant role in eradicating poverty, malnutrition, maternal and child mortality and superstition. It is imperative that scientific, administrative, and political commitment be made to address the social, economic,

and gender inequalities and address environmental and technological issues. It is the moral responsibility of the developed nations to show the mindset to help the developing countries by sharing the outcomes of advanced scientific research.

Prof Basu presented a detailed account of the contribution of science and described how the enormous negative effects of human activity on environment and nature are now unfolding. As water, air and soil become more and more polluted by various sources,

there is a dearth of proper environment on earth to live a healthy life. Nine out of every ten people in India are inhaling toxic air and seven out of ten are using polluted water. So, the moral duty of all, from the government to communities and individuals, is to prioritise the protection of environment to keep the society healthy.

Five senior scientists of the State, Prof Krishna Chandra Sahu, former Prof of IIT Bombay; Prof Ganapati Panda, former Deputy Director, IIT Bhubaneswar; Prof Sanjay Kumar Nayak, Vice-Chancellor of Ravenshaw University; Dr Sanghamitra Pati, Director, Regional Medical Research Centre, Bhubaneswar; and Dr Ajay Parida were felicitated for their contributions to science and technology. Dr Jayakrushna Panigrahi, convener of the Congress, delivered the welcome address and spoke on the significance of the theme of the current session.

Fruit canning factory recommissioned at Longnak

CSIR-CFTRI

20th November, 2021

Advisor, horticulture & borders affairs Mhathung Yanthan on formally recommissioned the fruit canning factory at Longnak, Mokokchung on November 18. According to a DIPR report, Mhathung lauded all involved in bringing the Longnak canning factory back to life.

He stressed on the need to run the factory consistently and urged the villagers to take up farming as an enterprise by harnessing the potential of the area and sought for their continuous support and cooperation.

Commissioner & secretary, horticulture, Anenla T Sato delivered the keynote address and a brief report on the Longnak canning factory was presented by deputy director, horticulture, Meyasashi.

Short speeches were delivered by additional deputy commissioner, Mangkolemba, Dharam Raj and chairman, Changki Village Council, Lemtinenba Amri. Vote of thanks was proposed by fruit technological officer, Longnak Aoimrong while the programme was chaired by director, horticulture and mission director (MIDH), Dr. Elithung Lotha.

It may be mentioned that the Fruit Canning Factory at Longnak started in 1964 and was commissioned as Quasi-Commercial unit on May 5, 1974. The factory has a capacity of 250 MT annually. The factory was kept on hold in 2006, primarily for up gradation and revitalisation.

During 2010, the department engaged an expert team from Central Food Technological Research Institute (CFTRI), Mysore for feasibility study and preparation of detail plan for modernisation of the factory. The team recommended a total revival cost to the tune of Rs. 411.74 lakh out of which the planning commission, awarded Rs.100.00 Lakhs.

The restoration work is now completed and would manufacture processed products of bamboo shoots, pineapple, kiwi, oranges, passion fruit, etc.

Earlier, the advisor also visited Progeny Orchard, Longnak.

किसानों की आय बढ़ाने में सहयोग दें सहकारी समितियां

सीएसआईआर में सहकारी समितियों के सदस्यों के लिए प्रशिक्षण शिविर आयोजित

संवाद न्यूज एजेंसी

पालमपुर (कांगड़ा)। पालमपुर विस क्षेत्र के तहत सहकारी क्षेत्र में जुड़ी 50 सहकारी समितियों के प्रतिनिधियों ने हिमालय जैव संपदा प्रौद्योगिकी संस्थान, सीएसआईआर पालमपुर में एक दिवसीय प्रशिक्षण शिविर में भाग लिया।

संस्थान के निदेशक डॉ. संजय कुमार के विशेष निर्देश से इस शिविर के अलग-अलग सत्रों में डॉ. राकेश कुमार राणा, डॉ. अंकुश बजाड और डॉ. विकास सोनी ने विस्तारपूर्वक अपने विषयों को लेकर मौजूद प्रतिनिधियों को जानकारी दी।

शिविर में प्रदेश वूल फेडरेशन के अध्यक्ष त्रिलोक कपूर विशेष रूप से मौजूद रहे। सत्र के बाद सहकारी सभाओं के प्रतिनिधियों ने फार्मों में जाकर लैमन ग्रास और पुष्प खेती का भी भ्रमण किया।

वूल फेडरेशन के चेयरमैन त्रिलोक कपूर ने कहा कि सभी सहकारी समितियां अपने-अपने पंचायत क्षेत्र के तहत सात दिसंबर तक ऐसे सभी किसानों को चिह्नित कर एक सूची तैयार करेंगे, ताकि खेती आधारित प्रशिक्षण कार्यक्रम में उन्हें बुलाया जा सके। उन्होंने कहा कि हमारा यह सौभाग्य है कि सभी सहकारी सभा के प्रतिनिधि इस संस्थान की गोद

लैमन ग्रास और फूलों की खेती से भी आर्थिकी मजबूत कर सकते हैं किसान :त्रिलोक

में बसे हुए हैं। किसानों की आर्थिकी दोगुनी हो, इस पर सभी सहकारी समितियां बढ़-चढ़कर काम कर एक कीर्तिमान स्थापित करेंगे। कहा कि देश के प्रधानमंत्री नरेंद्र मोदी का सपना है कि किसानों की आय को दोगुना करना, आधुनिक तरीके से खेती करना और एक स्थापित परंपरा से बाहर निकलना।

उन्होंने कहा कि लैमन ग्रास और फूलों की खेती में भी किसान अपनी आय मजबूत कर सकते हैं।



Please Follow/Subscribe CSIR Social Media Handles



[CSIR INDIA](https://www.youtube.com/CSIRINDIA)



[CSIR_IND](https://twitter.com/CSIR_IND)



[CSIR India](https://www.facebook.com/CSIRIndia)



[CSIR India](https://www.linkedin.com/company/CSIR-India)



[csirindia](https://www.instagram.com/csirindia)