

CSIR IN MEDIA



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CSIR

भारत का नवाचार इंजन

The Innovation Engine of India

NEWS BULLETIN

06 TO 10 NOVEMBER 2023



CSIR-NIScPR celebrated 8th Ayurveda Day

CSIR-NIScPR

10th November , 2023

To celebrate the 8th Ayurveda Day on November 9, 2023 as part of its SVASTIK initiative, CSIR-National Institute of Science Communication and Policy Research (NIScPR) hosted a special lecture on “Role of Ayurveda in lifestyle disorders” in collaboration with the Central Council for Research in Ayurvedic Sciences (CCRAS). Shri R. S. Jayasomu, Chief Scientist of CSIR-NIScPR, welcomed the



participants and delivered his introductory remarks. Shri Jayasomu highlighted the importance of integrating Ayurveda into our daily lives, particularly in light of the current unfavorable environmental circumstances. Dr Paramananda Barman, Scientist at CSIR-NIScPR introduced the speaker, Dr Sakshi Sharma, Research Officer (Ay.), Central Ayurveda Research Institute, New Delhi. In her keynote address, Dr Sharma emphasized the need of prioritizing good health over the process of recuperating from illnesses. In addition, she expressed the importance of traditional knowledge and also her apprehension regarding the prevailing practice of resorting to medication without first evaluating one's lifestyle. The captivating lecture encompassed various facets of Ayurveda, such as prakritis, the ayurveda clock, dietary practices and strategies for mitigating stress-related health issues. The lecture was followed by a question-and-answer session. Dr Charu Lata, Principal Scientist and PI/Coordinator-SVASTIK at CSIR-NIScPR, proposed the Vote of Thanks and expressed gratitude to the speaker and audience. The event concluded with a free Health Checkup Camp coordinated by Dr Suman Ray, Principal Scientist, CSIR-NIScPR.

Published in:

[Pib](#)

CFTRI's School of Milling Technology completes 42 courses

CSIR-CFTRI

10th November , 2023

The valedictory of the 42nd batch of the International School of Milling Technology (ISMT) situated at the CSIR-Central Food Technological Research Institute (CFTRI) was held here on Friday, November 10. On the occasion, certificates were presented to the students of the ISMT course. Dr. K. Leelavathi, former senior principal Scientist, FMBCT Department, CSIR-CFTRI, Mysuru, who was the chief guest, presented the certificates and delivered the valedictory address.



As a part of human resource development, the International School of Milling Technology was established as a joint Indo-Swiss venture and Roller Flour Millers' Federation of India project in 1981 to serve the needs of flour milling industry in India and other developing countries with regard to training in flour milling technology.

The course has been gradually updated making it effective and responsive to the needs of the milling industry, especially in developing countries of tropical areas. The course is aimed at turning out the best technical personnel cum Managers equipped with the necessary capability to take up the challenges of managing modern roller flour mills, a note said.

The course includes In-plant training at ISMT Mill (20 tons/day capacity) and Automatic Mill practical classes. Different guest lectures are also arranged on related topics. The mill has been modernised with the latest machinery in cleaning and milling sections, flour fortification, automatic flour handling and packing system.

So far, 42 courses in Flour Milling Technology have been completed. In all, to date, 860 participants, including 117 from some of the other developing countries such as Bangladesh, Cambodia, Ethiopia, Ghana, Guyana, Jordan, Kazakhstan, Kenya, Liberia, Mongolia, Nepal, Nigeria, Oman, Pakistan, Philippines, Sri Lanka, Syria, Suriname, Uganda, United Arab Emirates, Vietnam, West Indies, Yemen, Zambia have been trained.

The trained personnel were serving in different roller flour mills in India and in various other countries. Since then, there have been qualitative changes in the working of these mills as per the feedback received from the milling industry, the release from the institute said.

International School of Milling Technology (ISMT) is a first of its kind in South East Asia. The Institute has all the required facilities to provide the program of the international standard, according to the institute.

Laboratories and infrastructure facilities

ISMT is equipped with facilities and expertise of CFTRI with a fully dedicated computer-controlled pilot roller flour mill where students are taught milling systems as per the international and Indian sub-continental standards. ISMT is also equipped with an analytical laboratory for testing the physico-chemical attributes of raw materials and finished products. In addition, test baking and pilot scale baking facilities are available for assessing quality of milled products, the release said.

The institute has been leveraging its expertise, industry collaborations, and infrastructure to create a range of this course that cater to the needs of the milling industry by turning out the best technical personnel cum managers. Its faculty members, with extensive experience and academic expertise, bring a unique blend of theoretical knowledge and practical experience to the classroom, the scientists said. On the occasion, the students who scored the highest marks, including in baking science and cereal science, and the rank holders were announced.

Published in:

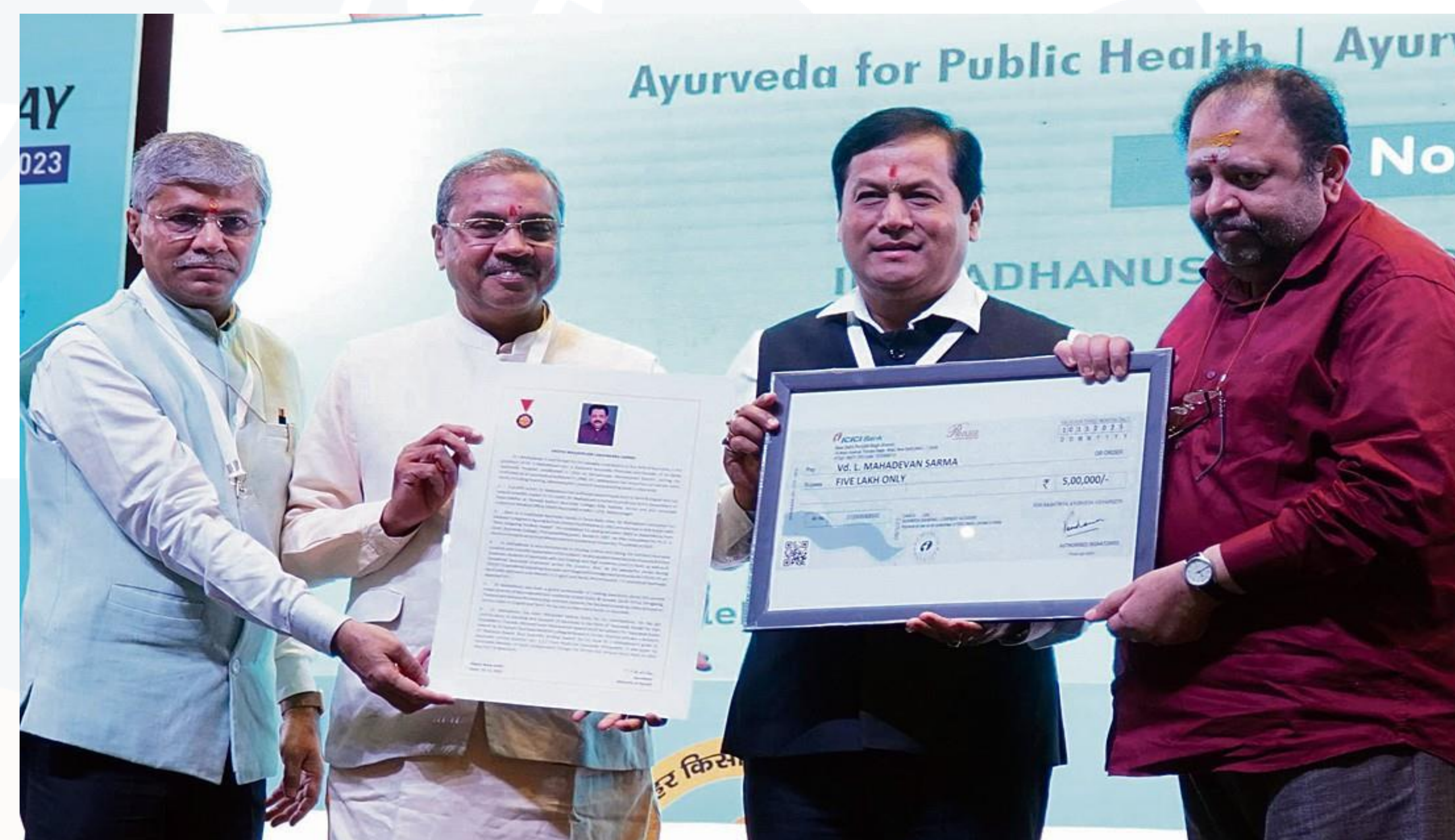
[The Hindu](#)

National Ayurveda Day: 'Over 8,000 wellness centres established across country'

CSIR

10th November , 2023

Union Ayush Minister Sarbananda Sonowal said Ayurveda is like a boon in this era of nuclear power, pesticides, and a toxic environment. He was speaking during the two-day programme of eighth Ayurveda Day celebrations in Panchkula. He said the Ministry of Ayush has established more than 8,000 wellness centres across the country. He said the Ayush Grid Project was launched to strengthen the service delivery of the Ayush sector.



Sonowal was joined by Speaker Gyan Chand Gupta. He said the message of Ayurveda Day's global campaign 'Ayurveda for One Health' and the global theme of G-20 meeting 'Vasudhaiva Kutumbakam' have left an indelible impression on people. Union Minister of State for Ayush and Women and Child Development Dr Munjpara Mahendrabhai said institutions including IIT, AIIMS and CSIR had joined hands with Ayush to understand the molecular properties of Ayurvedic medicines. "With the help of Indian Space Research Organisation (ISRO), we are carrying out mapping of medicinal plants across the country. He said Ayurveda is not limited to human health only but other streams, including vrikshayurveda, animal Ayurveda, are also related to it. Additional Chief Secretary of Haryana G Anupama, president, All India Ayurveda Mahasammelan, Padma Bhushan awardee Vaidya Triguna, Ayurveda Advisor of Ministry of Ayush, Vaidya Manoj Nesri also addressed the programme. The officials also gave away the National Dhanvantari ayurveda awards for distinguished service in the field of ayurveda.

Published in:

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

Green tech key to combat climate crisis: NRDC CMD

CSIR

10th November , 2023

Visakhapatnam: National Research Development Corporation (NRDC) Chairman and Managing Director Commodore Amit Rastogi said that adoption of green technologies in various sectors is the only way out to effectively face the challenges posed by climate change. He told Bizz Buzz on Wednesday after recent participation in a ground-breaking symposium conducted by



World Intellectual Property Organization (WIPO) on accelerating the imperative and green technology deployment at Geneva that the awareness level is growing everywhere on the importance of green technologies. He along with Senior Manager and Head of NRDC regional centre, Visakhapatnam BK Sahu returned after speaking at the technical session on Closing the knowledge gap: Sources of green technology information, assembling sets of technologies for different audiences in Switzerland.

He said, “It was a matter of utmost pride for NRDC to be the sole Indian representative during the tenth anniversary celebration of WIPO Green at Geneva involving technology symposium and advisory board meeting. Presence on the UN platform helped showcase Indian Green Technologies like sustainable aviation fuel, hydrogen storage from CSIR labs and universities for the world community.” “The strategies proposed for up-scaling of WIPO Green and visionary ideas for movement from database-centric approach towards technology deployment through hub and spoke model were widely acknowledged.”

Published in:

[Bizzbuzz](#)

CSIR-CFTRI

10th November, 2023

Instant beverage mix from malted ragi developed

The Hindu Bureau
MYSURU

One of the major drawbacks of using malted cereal flours, including malted ragi flour, in the beverage mixes is their tendency to sediment. This challenge has been addressed by the CSIR-CFTRI, Mysuru, and the unique non-sedimenting malted ragi-based instant beverage mix has been developed.

The new innovation from the premier institute in Mysuru was launched at the CSIR pavilion during the World Food India event in New Delhi recently.

CSIR-CFTRI Director Dr. Sridevi Annapurna Singh and some scientists from the institute were present.

The beverage mix, a note from the CSIR-CFTRI said, from malted ragi is an instant drink mix. This can be reconstituted with hot or cold mix and consumed.

Beverage mixes available in the market contain mainly extracted solids from barley malt (barley



N. Kalaiselvi, Director-General, CSIR and Secretary, DSIR, New Delhi, launching Ragi Power Punch, at CSIR pavilion during World Food India event in New Delhi recently.

malt extract) as a base material.

Unique product

The product developed by the CSIR-CFTRI is unique as it contains refined flour from malted ragi at 30 percent level and the content of barley malt extract is reduced to above 18 percent, the note added.

The beverage mix from the malted ragi contains above 13 grams of protein,

more than 3,590 mg of calcium per 100 grams of the sample and provides 362 kcal of energy.

Ragi is a natural source of calcium without any added fortificants.

The product can be conveniently fortified if required with added vitamins and minerals and can be prepared in different flavors to suit the target population, the institute said in the note.

Grab flowers for Rangoli at NBRI market

CSIR-NBRI

10th November , 2023

Are you fond of making Pookalam (flower rangoli), planning for floral decoration on Diwali but you are confused about where to get economical flowers? CSIR National Botanical Research Institute (NBRI) is setting up a Diwali flower market on Friday and Saturday.

Several farmers trained and supported by NBRI will sell Marigolds, Tuberose, Gerbera, Roses and Gladiolus during the flower market held at Kisan Bazar, Vibhuti Khand Gomtinagar from 7am to 9am.

“NBRI under CSIR floriculture mission is setting up this flower market in which farmers will be selling flowers to customers directly. The scientific institute is just giving farmers a platform and eliminating middlemen so that both customers and farmers benefit,” said NBRI spokesperson Rajat Rastogi. He said that last year we received a very good response from the customers. Our best seller was Marigold, followed by Gerbera, Rose and Tuberose.

Published in:

[Times of India](#)

HAL, CSIR-NAL sign agreement on Tejas engine bay door

CSIR-NAL

09th November , 2023

Bengaluru: Hindustan Aeronautics Ltd (HAL) on Wednesday signed a Transfer of Technology (ToT) agreement with CSIR-National Aerospace Laboratories (NAL) for manufacturing of the BMI Engine Bay Door for the series production of LCA — Tejas Mk1A.

The LCA — Tejas Mk1A is an indigenous 4.5 generation, all-weather, multi-role fighter aircraft for the Indian Air Force (IAF).

CSIR-NAL has developed technologies for composite parts for the Light Combat Aircraft — Tejas, including fin and rudder, wing spars, and wing fuselage fairings.

It has developed the manufacturing process technology of high temperature-resistant cured composite structures using carbon-BMI prepreg (composite materials impregnated with resins) for the engine bay door, to withstand the temperature of about 200 degrees Celsius.

The ToT agreement was signed in the presence of Anbuvelan S, CEO (Helicopter Complex), HAL; and Abhay A Pashilkar, Director, CSIR-NAL.

As part of the agreement, HAL can directly produce these high temperature-resistant composite parts for the LCA Mk1A, meeting the initial requirement of the IAF squadrons.

Consider CSIR-NEERI model to check pollution of waterbodies: NGT

CSIR-NEERI

08th November , 2023

The National Green Tribunal (NGT) has asked the Council of Scientific and Industrial Research-National Environmental Engineering Research Institute (CSIR-NEERI) to speed up the feasibility study on the development of the process package treatment method to check pollution of the Pallikkalar stretch in Karunagapally, and Edappally and Perandoor canals in Kochi.

The Southern Bench of the tribunal made the recommendation after the Environment department informed that the CSIR-NEERI may require 15 months to prepare the feasibility report. The Kerala State Pollution Control Board (PCB) had sanctioned ₹45 lakh to conduct the study, which is aimed at checking indiscriminate faecal contamination of waterbodies owing to dumping of untreated wastewater.

“Though it is felt that the duration of 15 months will be a little longer for such a project, we recommend that NEERI reduce the length of the period, so that the same model can be extended to other places where there is no underground sewage system,” it said.

The package treatment method involves sewage treatment through physical, chemical and biological processes to remove physical, chemical and biological pollutants/contaminants. A two-member team of scientists from the institute had conducted a site assessment on select polluted stretches in Ernakulam, Alappuzha, and Thiruvananthapuram in the second week of May this year on a directive from the tribunal. The Bench had asked the State government to implement temporary measures such as phytoid wastewater treatment technology proposed by NEERI, while stating that projects to rejuvenate canals could not be kept pending forever.

Published in:

[The Hindu](#)

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Published in:

[The Hindu](#)

Conclusion of DSIR-CRTDH Conclave-2023 held at Indian Institute of Technology, Gandhinagar on 6th & 7th November, 2023

CSIR-IMMT

08th November , 2023



The Department of Scientific & Industrial Research (DSIR) under Ministry of Science & Technology, through its Programme 'Common Research and Technology Development Hub (CRTDH)', initiated in 2014-15, attempts to provide MSME clusters the much-needed supportive ecosystem, which encourages and facilitates innovation essential for MSMEs. This program recognizes the importance of MSMEs in the overall economy of India and therefore focuses on the creation of R&D infrastructure in driving scientific advancements, technological innovations and socio-economic development.

The CRTDHs established in publicly funded research institutions have not only achieved remarkable success but have also generated inspiring success stories from their stakeholders. These endeavors are actively advancing the vision of "Atma Nirbhar Bharat" and reinforcing the momentum of "Vocal for Local." These outstanding and continuous accomplishments should be shared with a broad audience, including those who are currently not connected to the CRTDH network. In view of this, DSIR has organized two days DSIR-CRTDH Conclave 2023 on 6th & 7th November 2023 at Indian Institute of Technology, Gandhinagar wherein all the supported CRTDHs had participated and showcased their achievements.

The DSIR-CRTDH Conclave 2023 was inaugurated on 6th November 2023 with welcome address by Prof. Amit Prashant, Dean R&D, IIT Gandhinagar, where Prof. Prashant emphasized on the need for collaboration between academia & industry for addressing the challenges faced by MSMEs in India. Dr. Sujata Chaklanobis, Scientist G & Head-CRTDH, DSIR in her inaugural address highlighted the need of innovation and stated that MSMEs being the pillar of the innovation ecosystem can do wonders in making India global R & D and manufacturing hub. She further emphasized that by addressing the challenges of MSMEs can enhance economic growth, create job opportunities and exhibit India's capabilities on the global stage.

DSIR-CRTDH Conclave 2023 saw the unveiling of two reports. The first report namely 'Ten years of CRTDH - Empowering MSMEs and stimulating transformation' prepared by DSIR showcased the activities and noteworthy achievements of CRTDHs and its stakeholders. The second report namely 'chintan shivir report - CRTDHs empowering MSMEs' is an attempt by DSIR to compile the comprehensive discussions, dialogue and key challenges of MSMEs for the five chintan shivirs organized by DSIR.

The inaugural session proceeded with the live video address by Guest of Honor, Dr. N. Kalaiselvi, Secretary, DSIR & Director General, CSIR. Secretary, DSIR talked about the importance of CRTDH programme in making MSMEs more 'Atmanirbhar' with the handholding by academic institution.

Inaugural session concluded with the inauguration DSIR-CRTDH Exhibition. The exhibition displayed posters, audio visual of the individual CRTDHs and products/prototypes developed by various CRTDHs along with its associated MSMEs / Start-ups incubated at the CRTDH. Other activities and achievements of these CRTDHs were also showcased during the exhibition. The exhibition gave an opportunity of networking with other CRTDHs and also let them know about varied accomplishments of other CRTDHs. Exhibition also gave an opportunity to different MSMEs/Start-ups to interact with other MSMEs/Start-ups supported / incubated at CRTDHs.

In five technical sessions during two days events saw the keynote address by Dr. Jaimin Vasa (President, Gujarat Chemical Association & Chairman M/s Vasa Pharmachem Pvt. Ltd. Ahmedabad), Dr. H.G. Koshia (Commissioner, Food & Drug Control Administration, Govt. of Gujarat), Dr. Viranchi Shah (National President, IDMA and Director, M/s Saga Laboratories, Ahmedabad), Sh. Gautam Das (Founder & CEO, M/s Oorjan Cleantech and Former Director, CitiBank India), Sh. Anandbhai Patel (Director, Gujarat Apollo India Pvt. Ltd., Mehsana) and Sh. Hiranmay Mahanta (CEO, i-Hub Ahmedabad). Technical sessions also had the presentation by the coordinators of respective CRTDH and MSMEs beneficiaries.

The conclave was well attended by various MSMEs, Industry associations, Startups, students & researchers and it saw fruitful exchange of dialogues and meaningful networking for working together. The conclave had the participation of Dr Ranjeet Bairwa and Dr Suman Mazumdar from DSIR, who facilitated the exchange of ideas among coordinators and with prospective MSMEs and Startups.

The conclave ended with a take home message by Dr. Sujata Chaklanobis and vote of thanks by Dr. Vipin C. Shukla. The conclave also paved the way for the next year conclave at CSIR-IMMT, Bhubaneshwar.

From the educated unemployed of the past, we are now seeking to move on into an era of educated employable Science entrepreneurs with the introduction of i-PhD which would, in other words, be an Industry linked academic degree in Science PhD, says Dr Jitendra Singh

CSIR

07th November , 2023

From the educated unemployed of the past, we are now seeking to move on into an era of educated employable Science entrepreneurs with the introduction of i-PhD which would in other words be an Industry linked degree in PhD.

Addressing the 7th Convocation of Academy of Scientific and Innovative Research (AcSIR) in New Delhi today, Union Minister Dr Jitendra Singh said, this Academy is a unique academic platform which awards a Degree in Science that is employable and includes a curriculum underlined by the nuances of entrepreneurship.

The Union Minister of State (Independent Charge) Science & Technology, MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space said that in the short span of 12 years since its inception in the year 2011, the AcSIR has emerged as the largest institution providing Doctoral education in India.

“The Academy is rich not only quantitatively, but also qualitatively, maintaining standards of excellence as well as innovation, and at the same time covering a wide range of science streams, - it’s excellent, innovative and also versatile,” he said.

AcSIR is the largest Academic Institution for doctoral research in India having awarded 577 PhD degrees in 2022 and with more than 7,000 students currently registered for PhD. Presently, AcSIR is ranked 3rd by “Scimago Institutions Ranking” (2022), 11th by “Nature index” (2021-22) and 12th by National Institutional Ranking Framework (NIRF) (2023) in the Research Category among the academic institutions in India.

Calling for institutionalizing the linkage of Industry with our scientific endeavours, Dr Jitendra Singh said, this will help create sustainable Startups. “We have to sustain this Startup movement in the country that we are witnessing, we have to have a very strong Industry to sustain the more than 1 lakh Startups in the country,” he said.

Dr Jitendra Singh said, the Government led by Prime Minister Shri Narendra Modi has provided an enabling milieu with his initiatives such as the Aroma Mission & Lavender Cultivation and opening up the Space sector.

“Right from the beginning, we need to have Industry as a stakeholder... And wherever the StartUp outcomes were found lucrative, it was noticed that many youngsters from the Corporate sector quit their jobs and joined them. And I am glad that i-PhD and similar courses introduced at AcSIR are a step in that direction, of institutionalizing the integration of scientific research and innovation with Industry,” he said.

With the unlocking of Space Technology, Dr Jitendra Singh said, the common masses of the country have been able to witness the launch of the mega space events like Chandrayaan-3 or Aditya-L1. About 10,000 students and common people came to see the Aditya launch and some 1,000 media persons witnessed the Chandrayaan-3 landing on the moon.

Advocating synergy of Science, Research, Academia, Startups and Industry, Dr Jitendra Singh said the Anusandhan National Research Foundation (NRF) and the new National Education Policy (NEP-2020) will create the right ecosystem to realise PM Modi’s Vision of Viksit Bharat @2047.

Dr Jitendra Singh said, the NRF will bridge the demarcation between the Public and Private sector and there will be integration. The NEP-2020, he said, will set free India's youth as they will no longer be "prisoners of their aspiration" as the Policy now empowers them to choose or change subjects freely depending on their aptitude, skill, interest and other factors.

CSIR IIIM workshop in Pulwama empowers students with entrepreneurship opportunities

CSIR-IIIM

07th November , 2023

The CSIR IIIM Field Station Pulwama hosted a one-day workshop on entrepreneurship opportunities in cultivation, processing, and postharvest technology of aromatic, medicinal, and floricultural crops under CSIR Integrated Skill Initiative. The workshop, held under the auspices of Dr Zabeer Ahmad, Director, CSIR IIIM Jammu, and Er Ab Rahim, Head, RMBD&IST & Head, CSIR IIIM, Srinagar,



witnessed enthusiastic participation from 75 students and faculty members from the Department of Botany, Amar Singh College, Srinagar.

In her opening remarks, Dr Iqra Farooq, Project Associate-I, provided an overview of CSIR-IIIM's pivotal role in developing and disseminating technologies related to the cultivation and processing of industrially important medicinal, aromatic, and floricultural crops. She highlighted specific crops such as Lavender, Rosemary, Rose Scented Geranium, Damask Rose, Saffron, Liliun, Marigold, and Gladiolus, emphasizing their potential for increased income and livelihood generation. The workshop aimed to impart practical training and skills, focusing on propagation techniques, cultivation, processing methods, and post-harvest technology related to these crops.

During the workshop, Dr Aadil Khursheed, Project Associate-I, demonstrated distillation techniques for extracting essential oils from aromatic crops. He provided insights into important bioactive constituents and their properties, enriching the participants' understanding of these valuable crops.

Dr Nahida Chishti, Associate Professor at Amar Singh College, lauded the efforts of the CSIR IIIM Field Station team for organizing the workshop. She emphasized the significance of knowledge-based skill development and the cultivation of an entrepreneurial spirit among the participating students. Dr Chishti expressed her gratitude to Dr Zabeer Ahmad, Er Abdul Rahim, Dr Shahid Rasool, Senior Scientist and Incharge Field Station Pulwama, Principal and the administration of Amar Singh College for conducting the event.

Conference entitled "Sustainable Utilization of Plant Diversity to Combat Future Food Challenges"

CSIR-IHBT

07th November , 2023

Department of Environment Studies, Panjab University, Chandigarh in collaboration with Department of Biotechnology, Panjab University, under the aegis of Indian Science Congress (Chandigarh Chapter) organised a one day conference entitled "Sustainable Utilization of Plant Diversity to Combat Future Food Challenges" today.



Prof. Ashwani Pareek, Executive Director NABI and Prof. Sudesh Kumar Yadav, Director IHBT, Palampur were the invited speakers and Prof. R. C. Sobti Former Chancellor P.U. and BBAU was the Guest of Honor on this occasion. Dr. Rajeev Kumar, Chairperson, Dept. of Environment Studies and Prof. D. D. Singh, Chairperson Dept. of Biotechnology coordinated the program. Around 100 students and faculty members from different departments attended the program.

Prof. Pareek presented his work on the development rice varieties that can tolerate saline water. He is also collaborating with Netherland for the same.

Prof. Yadav highlighted the various projects being undertaken by CSIR-IHBT such as Hing cultivation, Kangra tea, aroma mission, floriculture specially tulip culture etc. All these missions have great commercial value and are a good source of income to the local people.

Published in:

Cityairnews

KMC to use water, stop fires to keep Kolkata air clean in festive season

CSIR-NEERI

07th November , 2023

Taking a cue from the growing air pollution in Delhi, the Kolkata Municipal Corporation (KMC) has adopted several anti-pollution measures to keep pollution levels at bay across its 144 wards. Mayor Firhad Hakim on Monday said efforts were being made to wash city's streets regularly, particularly in the areas where the air pollution level is likely to go up in the next few weeks.

Significantly, road dust resuspension is one of the major sources of air pollution in Kolkata, according to the source-apportionment study by the CSIR-NEERI. Based on the study, the West Bengal Pollution Control Board decided to sprinkle water all along the major thoroughfares to prevent re-suspension. In fact, WBPCB has given a few water sprinkler tankers to KMC for this purpose.

"Because of the water spray, tiny dust particles coalesce into bigger particles and drop on the ground, losing its ability to suspend in the air. Thus, water sprinkling twice a day on the roads during the winter, when the pollutants hang closer to the ground, comes handy and effective," said WBPCB chairman Kalyan Rudra.

According to a KMC solid waste management department official, the civic body had bought 20 road-washing machines a year ago and added them to the fleet of 20 such existing machines. Besides washing roads, the new machines are fitted with water sprinklers that are capable of washing trees that absorb pollutants.

"We will utilize the fleet for washing major thoroughfares that take heavy traffic loads and are ranked among the polluted zones, especially during winters. Besides washing streets, the machines fitted with water sprinklers will be used for washing tall trees," said Hakim.

The mayor said the civic body would approach the WBPCB and cops to keep a watch on

burning dry tree leaves at night. This apart, the KMC solid waste management department has asked the agency engaged in mining of legacy waste to water the parts of the wasteland where burning of garbage produces toxic fumes.

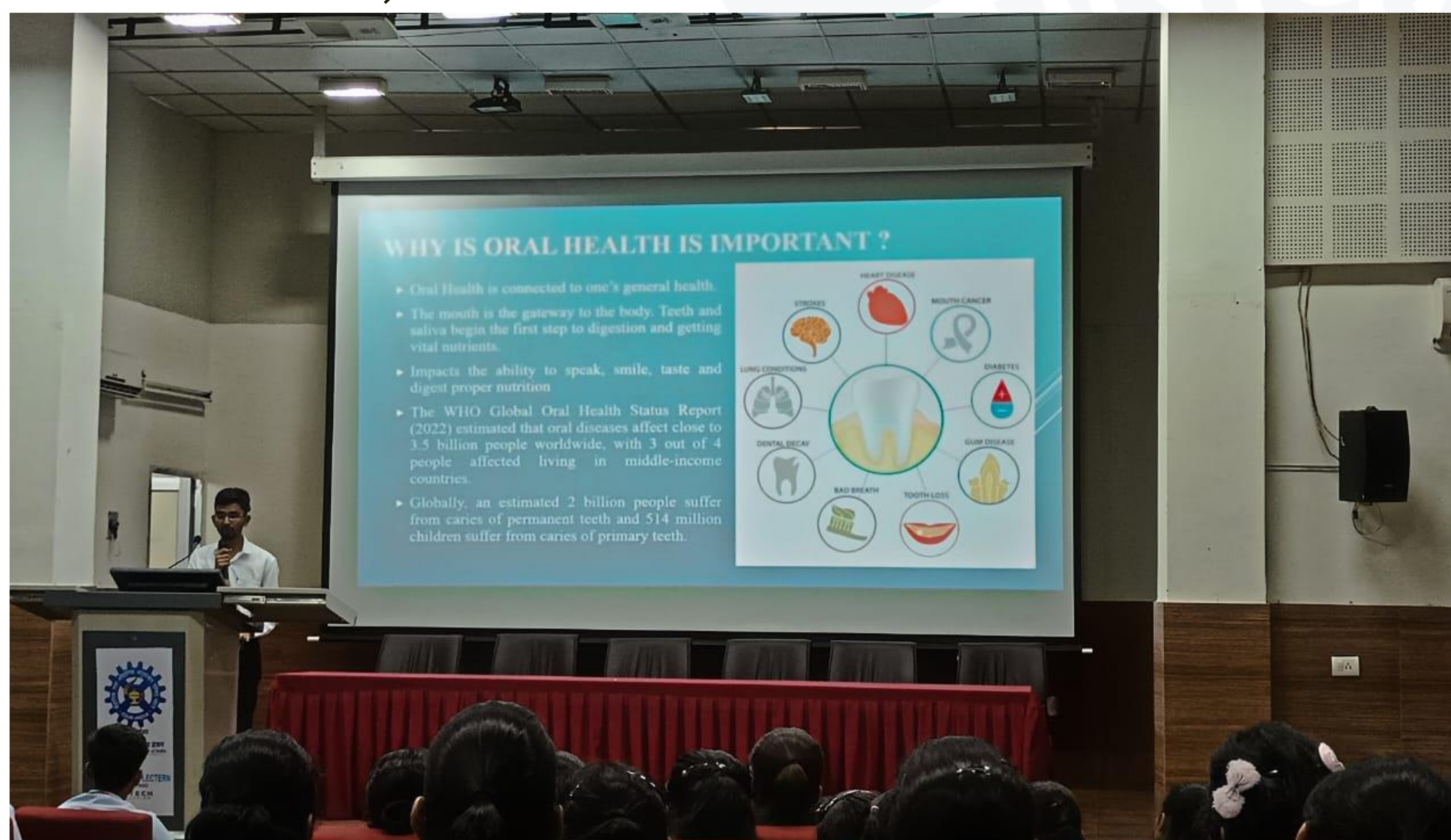
"Burning of waste at Dhapa raises air pollution. We have asked the agency engaged in bio-mining to water the troubled pockets regularly. Hope this effort will bring about a change in the air pollution pattern," said Hakim.

WBPCB has already taken some measures to contain air pollution, by giving roadside eateries LPG connections and laundry units with LPG irons. All these devices are geo-tagged, thus they cannot be used for other purposes than they are meant for, said a WBPCB officer.

CSIR-CSIO and KAMP: Fostering Tomorrow's Scientific Minds through an Inspiring Journey with Over 100 Young Scholars"

CSIR-CSIO, NIScPR

06th November , 2023



On November 6th, 2023, CSIR-Central Scientific Instruments Organisation, Chandigarh, hosted a dynamic Scientific Excursion in collaboration with the Knowledge and Awareness Mapping Platform (KAMP), welcoming over 100 enthusiastic students from Gudha International School, Rajasthan. This transformative excursion delved deep into the realms of science, technology, and innovation, igniting a spark of curiosity and passion for scientific exploration among the students.

The event commenced with an insightful overview of CSIR-CSIO Chandigarh, led by Ms. Aashita Swami (Project Associate, CSIR-CSIO) providing the students with a comprehensive understanding of the institute's pioneering work. Esteemed scientists and researchers from CSIR-CSIO then captivated the young minds through interactive lectures and engaging activities. Notable contributions came from Dr. Aparna Akula (Principal Scientist, CSIR-CSIO) shedding light on 'Intelligent Sensing Systems,' Mr. Ujjawal Prakash Bhushan (Ph.D Engineering, BMA Department, CSIR-CSIO) exploring 'Multi-sensor Fusion-based Dynamic Obstacles Detection,' and Mr. Rahul Jha (IDDP Scholar, CSIR-CSIO) delving into 'Intraoral Dental Inspection for Early Caries Detection.' Following the enriching lectures, a stimulating Science-based Competition, orchestrated by Ms. Meenakshi Srivastava (Project Associate,

CSIR-CSIO) and Ms. Isha (Project Associate, CSIR-CSIO) spurred the students' competitive spirits, encouraging teamwork and innovative thinking. During the visit, students gained an opportunity in understanding the intricacies of laboratory operations and the functionalities of various instruments.

Concluding the event, Mr. Aniket Arora (Nodal Officer for Outreach Activities at KAMP) expressed heartfelt gratitude to Dr. Neerja Garg (PI Jigyasa, principal scientist, CSIR-CSIO) and Dr. Pooja Devi (Co Pi Jigyasa, principal scientist, CSIR-CSIO) key figures behind the success of the Jigyasa program. He emphasized the significance of such initiatives, underlining KAMP's unwavering belief in the power of experiential learning to nurture a profound interest in science and other advancements in India. Furthermore, he shared exciting upcoming activities, including an online Knowledge Sharing Session with ISRO-URSC on November 23rd, a scientific Excursion at CSIR-IITR in December, and a series of planned engagements designed to immerse students in real-world scientific endeavors across eminent CSIR laboratories and research organizations in India.

About CSIR-CSIO

CSIR-Central Scientific Instruments Organisation (CSIO), a prominent constituent unit of the Council of Scientific & Industrial Research (CSIR), stands as a pioneering national laboratory committed to the research, design, and development of scientific and industrial instruments. With a multidisciplinary approach, CSIO plays a pivotal role in fostering the growth of the Instrument Industry in India across diverse applications.

About KAMP

KAMP, an alliance spearheaded by the Council of Scientific & Industrial Research (CSIR) - National Institute of Science Communication and Policy Research (NIScPR) and industrial partner M/S Nysa Communications Pvt. Ltd. (NCPL), endeavors to cultivate creativity, meaningful learning, critical reading, and thinking skills, aiming to unveil the inherent potential of students and ignite their passion for scientific inquiry."

Published in:

[Pib](#)

Special Campaign 3.0 in the Department of Scientific & Industrial Research (DSIR)

CSIR

06th November , 2023



Department of Scientific and Industrial Research (DSIR) successfully conducted Special Campaign 3.0 from 2nd October 2023 to 31st October 2023 under the active guidance of Secretary, DSIR Dr. (Mrs) N. Kalaiselvi. The Campaign started by the Union Minister of State (IC) for Science & Technology with 'Shramdaan' on 2nd October, 2023 at CSIR Headquarter, Anusandhan Bhavan, New Delhi. 'Shramdaan' was also organized on 2nd October, 2023 in DSIR(proper) and CPSEs i.e. Central Electronics Limited (CEL) and National Research Development Corporation (NRDC) and all 37 labs of CSIR across the country wherein officers/staff participated in the cleanliness and plantation drive. The start of Campaign also featured the flagging-off the revolutionary “Recycling on Wheels Smart-ER Project” by Dr. Jitendra Singh, Union Minister of State (IC) for Science & Technology. The Project is a novel initiative to collect and recycle electronic waste using smart vehicles.

Under the active leadership of Secretary, DSIR and close monitoring by Joint Secretary, DSIR who is Nodal Officer of Special Campaign 3.0, this Campaign overall remained very successful. During the period 2nd October, 2023 to 31st October, 2023 under Special Campaign 3.0. special focus was given to reduce pendency and enhance the overall cleanliness in and around office premises and improving work environment.

Department of Scientific and Industrial Research (DSIR) has successfully achieved 100 per cent target of disposing of the pendency of MP references, PMO reference, public grievances and record management respectively. It is a matter of great satisfaction that targets in respect of some of the parameters set for the entire campaign period were achieved in the initial weeks itself and were upwardly revised during campaign.

As a part of the campaign 10,646 physical files were reviewed, 1882 physical files were weeded, 56 cleanliness campaigns were conducted, total of Rs.18,610/- revenue was generated from scrap disposal and total area of 1590 Sq. ft of space freed by way of scrap disposal and weeding out of files. DSIR and its organizations issued 37 tweets and 02 PIB statements during the Special Campaign 3.0. 'Recycling on wheels' an initiative of the Ministry which was inaugurated by Dr. Jitendra Singh, Union Minister of State (IC) for Science & Technology on 2nd October, 2023, has been adjudged as one of best practices in institutionalizing Swachhata under the Special Campaign 3.0.

First draft of vision document for Cusat likely by November-end

CSIR-NIIST

06th November, 2023

The expert panel set up by the Cochin University of Science and Technology (Cusat) to formulate a vision document for excellence is expected to submit its first draft by November-end.

The panel, headed by Dr. George Thomas, Professor and Dean, Faculty Affairs, Indian Institute of Science Education and Research (IISER), Thiruvananthapuram, held interactions with a cross section of varsity stakeholders as part of finalising the document. They collected feedback from students, teachers, researchers, heads of departments, Syndicate members, and chairpersons of boards of studies.

The panel was set up in June this year to develop a vision document, with clear focus on innovation and excellence. Vice-Chancellor P.G. Sankaran said the short-term plans proposed by the committee would be implemented without much delay after seeking the approval of the Syndicate. The long-term projects, especially plans involving financial requirements, would be submitted before the government, he said.

The committee will recommend a redesign of the existing academic programmes to make them state-of-the-art. It will propose new-generation academic programmes to be executed in collaboration with partners from industry and foreign universities, besides helping the authorities make the best out of the new policies adopted at State and Central levels.

It will suggest measures to improve research resulting in top-quality publications/patents/projects and propose measures to facilitate the transfer of varsity-created discoveries into new products and services for the benefit of society.

The panel is expected to suggest measures to make technology businesses and start-ups grow

leveraging on the expertise of the varsity and its academic partners. Besides the chairman, the committee members include Rejie George Palathitta, Professor, Indian Institute of Management, Bengaluru; C. Krishna Mohan, Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Hyderabad; and Rajeev K. Sukumaran, Senior Principal Scientist at CSIR-NIIST, Thiruvananthapuram.

Yogi government's green energy push: Solar power to fuel Lalitpur's Bulk Drug Park

CSIR

06th November, 2023

In a commitment to environmental protection, the Yogi government embarked on a clean energy journey for all its forthcoming major projects and to achieve this objective, the government issued directives to create an extensive action plan for operating large-scale plants using solar energy, said a press release by the CMO on Monday.

The press release further mentioned one such project named Bulk Drug Park in Lalitpur, where the focus is on reducing carbon emissions by harnessing the power of solar energy. Negotiations with private companies are currently underway to bring this green energy initiative to fruition, said the official statement.

According to the official release, the Yogi government will also set up a unit of herbal medicines in the bulk drug park for which an MoU has been signed with a private company.

The press note by the CMO further mentioned that the Yogi government is working on a war footing to translate Prime Minister Narendra Modi's vision into reality on the ground, treating it as a mission of paramount importance.

To align with Prime Minister Narendra Modi's ambitious target of achieving net-zero carbon emissions by 2070, CM Yogi issued directives to incorporate clean energy into all major state projects, said the official statement.

In line with this initiative, solar energy will be harnessed for the Bulk Drug Park in Lalitpur and the park will exclusively utilise clean energy vehicles, supported by the construction of cycle tracks and the availability of rental bicycles at various locations, added the official statement. The press note further mentioned that in order to promote clean energy awareness in Lalitpur, the city will be equipped with cycle and electric vehicle stations.

The development of green belts, green pathways, and footpaths on both sides of the road will enhance the city's environmental aesthetics and emphasis will also be placed on the utilisation of eco-friendly construction materials throughout the construction of the Bulk Drug Park, said the press release.

The Yogi government is dedicated to transforming the state into a hub of herbal medicines, as significant emphasis has been placed on the herbal medicines unit within the Bulk Drug Park, where large-scale production and research of Ayurvedic medicines will take place, added the press release.

As per the official release, the Yogi government signed MoUs with 43 laboratories affiliated with the Council of Scientific and Industrial Research (CSIR). These collaborations will not only focus on research related to herbal medicines but also strive to manufacture cost-effective medicines.

Additionally, an herbal park will be developed within the bulk Drug Park in Lalitpur, dedicated to the production of herbal medicines, ensuring a consistent supply of these essential remedies, said the press release. (ANI)

Dr Jitendra Singh Inaugurates Children Science Festival at IIIM

CSIR-IIIM

06th November, 2023

Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Department of Atomic Energy & Department of Space and Vice President CSIR, Dr. Jitendra Singh has emphasised the harnessing of young aptitudes.

The union Minister was speaking after inaugurating the "Children Science Festival" organized here today by CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM).

Dr. Jitendra Singh also took a round of the stalls in the exhibition put up on the occasion and witnessed different kinds of science models prepared by the students. The students drawn from the schools of Jammu region have also scripted slogans under the themes like Health & wellness, Water conservation, Waste management and Save mother Earth.

While addressing the school students, Dr. Jitendra Singh narrated how the Jigyasa programme is inspired by Prime Minister Narendra Modi's vision of a new India and Scientific Social Responsibility (SSR) of Scientific Community and Institutions. Jigyasa is a student - scientist connect programme implemented by the Council of Scientific and Industrial Research (CSIR) in collaboration with Kendriya Vidyalaya Sangathan (KVS).

Dr. Jitendra Singh applauded the efforts of CSIR-IIIM for organizing such outreach activities for students from schools and colleges. He said that such activities help to increase the scientific aptitude and inculcates the spirit of innovation and entrepreneurship in young minds. He also distributed prizes to the winners of various competitions organized during the Children Science Festival.

Dr. Jitendra Singh said, India's first Virtual Science Lab for Children under CSIR Jigyasa Programme was launched, which built a strong connect between students and Scientists with

scientists across the country. He also said, the main objective of establishing the Virtual Lab was to provide quality research exposure and innovative pedagogy for school students based on an online interactive medium. He said, the new facility will immensely benefit students from Kendriya Vidyalayas, Navodaya Vidyalayas and Government Schools of various States Boards and will help in catching them young.

Today, in the Children Science Festival, more than 350 students from about 55 schools under the government of J&K, Kendriya Vidyalayas, Navodaya Vidyalayas, Army Public Schools, Bhartiya Vidya Mandir Schools, etc, from various districts of Jammu region showcased their talent in various competitions such as Science models (Themes : Health & wellness; Water conservation; Waste management; Save mother Earth), Science/current affairs Quiz Competition, Poster competition on 'Swachh Bharat Mission' and Slogan writing competition on 'Space Mission of India'. Students of Seva Bharti, an NGO that provides free education and vocational training to children from economically weaker sections of society. These students displayed various products developed under the 'Waste to Wealth' theme.

Earlier, Dr. Zabeer Ahmed, Director, CSIR-IIIM, Jammu, in his welcome address gave the details of this event and said that the main objective of the Children Science Festival is to ignite the scientific spirit in young minds. He informed the audience that CSIR-IIIM, Jammu, has been regularly organizing various youth conclaves and startup expo, as outreach activities and to support and nurture the startup ecosystem of the UT of J&K. Dr. Zabeer also informed that CSIR-IIIM has three incubation centers viz. Technology Business Incubator (TBI), BioNEST Incubator and Atal Incubation Centre (AIC) for hand-holding and promoting the startups.

Prominent among the dignitaries present in the function were Dr. Ashutosh Gupta, Principal Govt. Medical College, Jammu, Prof. Sanjeev Jain, Vice Chancellor of Central University of Jammu, Ashok Kumar Sharma, JKAS, Director School Education, Jammu, Nagendra Goyal, Deputy Commissioner, KV Sangathan, Jammu. The main programme in the auditorium was conducted by Rajni Kumari while as Er. Abdul Rahim, Chief Scientist & Head Srinagar

Branch presented formal vote of thanks. The event was organized under the chief patronage of Dr. Zabeer Ahmed, Director CSIR-IIIM, Jammu and coordination by Dr. Asha Chaubey, Senior Principal Scientist and Nodal Officer Jigyasa Programme, CSIR-IIIM. Among other organizing committee members were: Dr. Shashank Singh, Dr. Dhiraj Vyas, Dr. Tasduq Abdullah, Dr. Sumit G Gandhi (Sr. Principal Scientists), Dr. Deepika Singh and Saurabh Saran (Principal Scientists), Shri. Vikram Singh (Sr. CoA), Shri Rajesh Gupta, Administrative Officer and Shri Dileep Gehlot, Store & Purchase Officer.

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