

CSIR IN MEDIA



CSIR

NEWS BULLETIN

01 TO 05 OCTOBER 2022

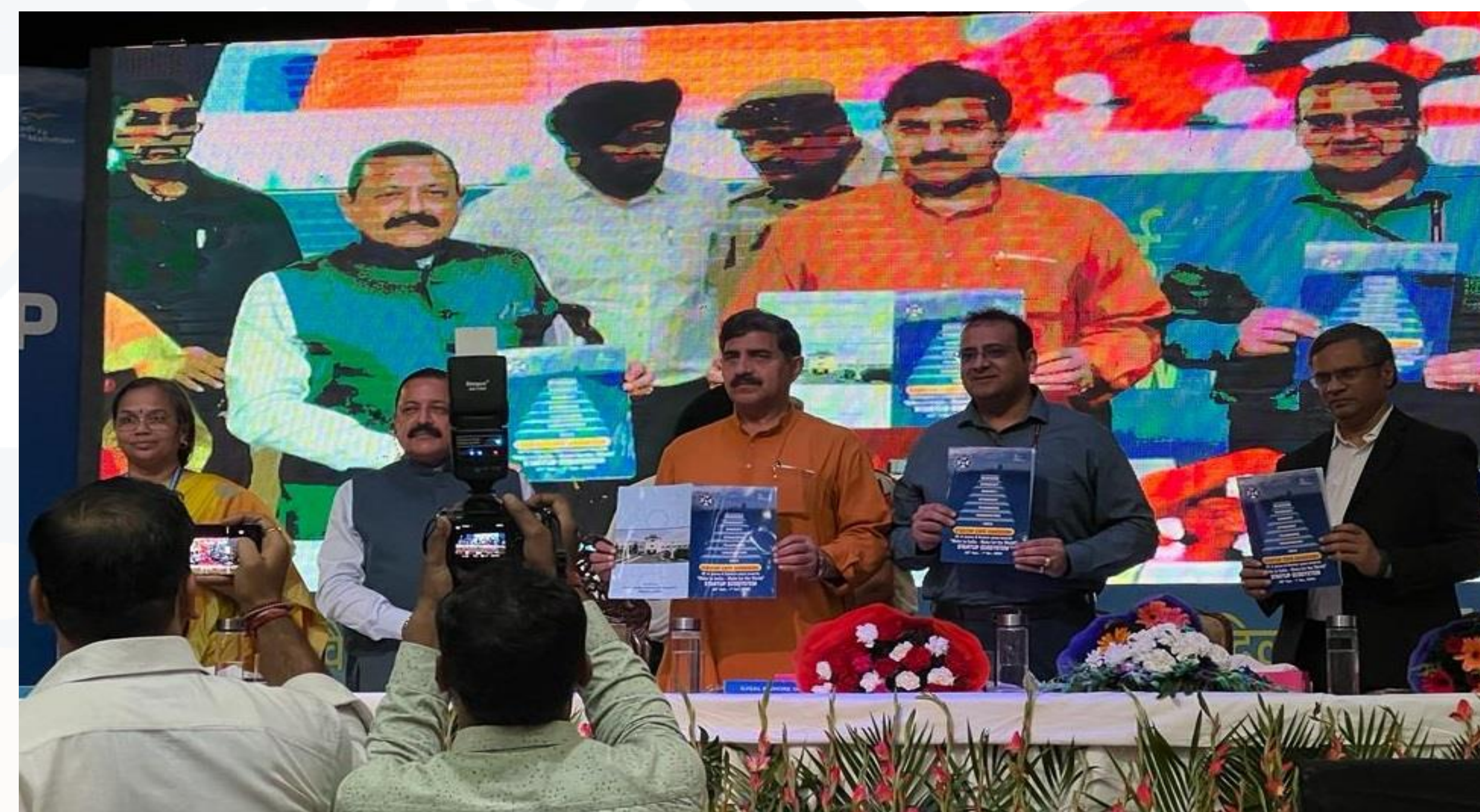


Dr Jitendra Singh inaugurates StartUp Expo at Jammu

CSIR-IIIM

02nd October, 2022

Union Minister of State Dr Jitendra Singh Saturday inaugurated Start-up Expo organized at Jammu. In the expo, the government of Jammu & Kashmir was represented by Commissioner Secretary, Science & Technology Department, SaurabhBhagat, accompanied by a team of senior officers of the department, J&K Science, Technology & Innovation Council & J & J&K Energy Development Agency.



SaurabhBhagat highlighted achievements of J&K Science, Technology & Innovation Council. He apprised the Union Minister about the initiatives being taken up by the JKST&IC for promotion of Science, Technology and Innovation.

It was divulged that JKST&IC has been able to provide financial support to 123 short term, mid-term R&D projects involving Jammu and Kashmir Universities, SKUAST Jammu and Kashmir, IUST, Baba Ghulam Shah Badshah University, SMVDU, Central Universities, Jammu and Kashmir besides others for conducting research towards addressing the local specific problems involving an expenditure of around Rs.5.50 crore.

Commissioner Secretary disclosed that the district administration, Jammu, has recently identified a site measuring 50-100 Kanal at Chowadi, Sunjwan, Jammu for setting up of a Sub-Regional Science Centre / Museum in collaboration with National Council of Science Museums, Ministry of Culture (MoC).

He urged upon the Union Minister to intervene and take up several issues with other Ministries regarding setting up of other parks like Robotics Park, Life Science Park, Aquatic Gallery, S&T Park, Nature Park etc. on the simulative basis as it is in the Science City, Ahmadabad.

Commissioner Secretary also disclosed that JKST&IC is having a joint venture with Indian Institute of Integrative Medicines (IIIM), Jammu regarding the K -5000 project where in 5000 kanal of land is to be cultivated for making of demonstration farms of Aromatic & Medicinal Plants.

He requested the Union Minister to provide requisite funds to JKST&IC for cultivation of 10,000 Kanal of land.

Lithium can be extracted from reject seawater through desalination, claims Dr Kulkarni

CSIR

04th October, 2022

Dr Shrikant Kulkarni an 85-year-old scientist who got his Master of Science degree from Institute of Science, Nagpur in 1960 has developed a concept for extracting Lithium from reject seawater. He along with his colleague Suresh Babu communicated this to Council of Scientific and Industrial Research (CSIR) through letter. Impressed by the concept CSIR responded to the letter and invited both to India to understand from them in person. After listening to the concept CSIR has taken necessary steps and started studying it. Dr Kulkarni is in USA for the last more than 30 years but he is well aware of what his motherland has given to him so both he and his colleague Sureshbabu felt they should give back to their country. Dr Kulkarni, well known as Raja Kulkarni to his friends in the college days, joined Bhabha Atomic Energy Research Center for four years and then completed his PhD in Physical Chemistry from Illinois Institute of Technology in Chicago, USA. He was supported by assistantships and Fulbright Scholarship during his studies. Dr Kulkarni has worked in several areas of chemistry such as drug development, pesticide manufacture, environmental consulting and contract research for Environmental Protection Agency (EPA).

Presently, Dr Kulkarni is living in Raleigh, North Carolina. Along with his Chemical Engineering friend Dr Suresh P Babu, Dr Kulkarni disclosed concept of Lithium extraction from seawater to CSIR for possible research and development. To his surprise Dr N. Kalaiselvi, first woman Director General of CSIR, herself a distinguished Lithium Scientist, responded quickly and met them both. Dr Kalaiselvi not only has shown keen interest but has taken steps to circulate the concept write-up to CSIR scientists and experts in different laboratories with an idea to form a group for critical evaluation and to decide further action. Lithium is a very important component in the batteries work to power machines. Be it cellphone, laptop computers, electric cars, everywhere we need batteries and Lithium. Lithium is costly import in India. Common people are not aware of the source of Lithium. Mostly Lithium is mined from briny lakes which is not only a time consuming but costly too. South

America, Australia, China and Africa are the largest producers of Lithium. Because of the increase in the usage and scarcity of Lithium research is underway in different countries to extract Lithium from seawater.

To explain a little on Lithium and the process that would be carried out to extract it from seawater Dr Kulkarni told 'The Hitavada', "The unique concept tries to combine India's new desalination activities related to the plants near Chennai and Mumbai with established chemical manufacturing processes such as Solvay ammonia process and Haber-Bosch process to manufacture products like ammonium chloride (fertilizer), sodium bicarbonate, and soda ash. Seawater contains about 150-180 ppb (parts per billion) of Lithium chloride and nearly 3.5 % or 35 parts per 1000 of sodium chloride. The separation of Lithium and Sodium is extremely difficult because of the similarity of their properties. In the proposed concept the stepwise separation of the products allows the possibility of separation of minute amount of Lithium from sodium." "Desalination process is basically an ultra-filtration which can remove about 50% of water as usable or potable from seawater due to the technology and legal limitations.

The remaining unfiltered water is returned to sea farther away from land or intake point to ensure maintaining the aquatic quality of seawater. The proposed treatment of reject water will also significantly reduce the cost of usable water from desalination plant thus improving the overall economic benefits. One of the proposed processes uses carbon-dioxide as a reactant. The use of carbon-dioxide from any power generating facility will minimize or eliminate the associated carbon footprint with Lithium recovery. The development effort will result in patents and marketable know how," pointed out Dr Kulkarni. Dr Kulkarni and his US colleagues with years of valuable experience as research and training development professionals, are willing to devote their time to voluntarily work with CSIR process development researchers if they can take the lead to pursue the concept.

Published in:

[The Hitavada](#)

IIIM celebrates CSIR foundation day

CSIR-IIIM

04th October, 2022

The 81st foundation day of Council of Scientific and Industrial Research (CSIR), the autonomous R&D organization under Department of Science & Technology, Government of India, was celebrated here today at the Indian Institute of Integrative Medicine (CSIR-IIIM) Jammu. The celebrations were largely attended by eminent scientists, faculty members of research & educational institutions, entrepreneurs, invited dignitaries, guests and staff members of CSIR-IIIM.



Prof Amitabha Chattopadhyay, CSIR Bhatnagar Fellow was chief guest of this function and he delivered foundation day lecture entitled, “Cholesterol Sensing by GPCRs: Challenges and Excitement.” Dr Padma Gurmet, Director, National Institute of Sowa Rigpa, Leh, was guest of honour.

Er Abdul Rahim, Chief Scientist & Acting Director, IIIM Jammu, introduced the chief guest who is a scientist of international repute and recipient of all top awards & recognition of Science.

On this occasion, the chief guest also distributed prizes for different activities conducted as part of foundation day celebrations. On this occasion, the staff members who have superannuated from the council service during last one year were also honoured. They include Girdhari Lal, Pinki Koul, Jasbir Singh, Ramesh Kumar, Rattan Lal, Samar Singh, Rajinder Kumar, Janak Raj, Satya Sharma, Girdhari Lal, Ashok Kumar, Dr Anil Prabhakar, Bishan

Kumar, Ramesh Kumar, Ashwani Sharma, Neelam Sharma, Ajit Singh, Rajneesh Anand, Dr D M Mondhe, Suram Chand, Madan Lal, Urmila Jamwal, Kasturi Lal, Sunita Devi, Gurdarshan Singh, Sodhagar Mal, Sewa Ram. Pawan Kumar, Rajesh Tandon, Dr Siya Ram Meena, Sanjay Sharma, Rajni Kumari, Anjum Padha and Dr Zabeer Ahmed.

The merit scholarship for wards of Council employees who secured more than 90 percent marks was also given. Snehal Gupta, son of Rajesh Gupta, Administrative Officer, was awarded one time merit scholarship for securing 96-4 percent marks.

Prominent among other present there were Dr Asha Chaubey, Head, Fermentation and Microbial Biotechnology Division, Anjum Sharma, Sr Controller of Administration, Dr Dhiraj Vyas, Head, Plant Sciences and Agrotechnology Division (PSA), Dr Sumit G Gandhi, Head, Infectious Diseases Division, I B Dixit, Controller of Finance and Accounts, Daleep Gehlot, Store & Purchase Officer. Dr Deepika Singh, Head Quality Management & Instrumentation Division conducted the proceedings whileas Dr Zabeer Ahmed, Head Pharmacology & CSIR-IIIM (Branch), Srinagar presented the vote of thanks.

'Hindi Pakhwada' celebration at CSIR-IIIM, Jammu

CSIR-IIIM

04th October, 2022

Jammu, October 04 (Scoop News)-With a purpose to promote and encourage the use of Rajbhasha Hindi in central govt. Offices 'Hindi Pakhwada' is celebrated in the month of September each year. This year, in CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM), Jammu, 'Hindi Pakhwara' was celebrated from 6th to 19th September, 2022. The program was inaugurated by Er. Abdul Rahim, Chief Scientist and Acting Director – CSIR IIIM. Dr. Zabeer Ahmad, Chief Scientist, Dr. Asha Chaubey, Senior. Principal Scientist, Shri I.B. Dixit, Controller of Finance & Accounts, Shri Dilip Gehlot, Stores & Purchase Officer, Shri Ashish Bahuguna & Shri Rajesh Gupta, both Administrative Officers and Shri Sanjay Sharma, officiating Hindi Officer graced the occasion. A number of events were organised, in which a large number of employees, and research scholars participated. Various committees were formed to evaluate the performance and select the winners from each of these categories of events.

In 'Hindi Essay Writing Competition' Mr. Bhupesh Kumar Sharma got first prize, Mr. Shiv Kumar Gupta got second, Mr. Sumit Roy got third and Mr. Yogesh Kumar received Consolation prize. Ms. Manveet Kour got first prize in 'Slogan Writing Competition' whereas Mr. Bhupesh Kumar Sharma got second, Mrs. Jyoti Prabha got third and Mr. Vikrant Awasthi received consolation prize.

In 'Debate Competition' Dr. Varun Pratap Singh got first prize, Mr. Vikrant Awasthi got second, the third prize was shared by Ms. Shifali Bhasin & Mr. Yogesh Kumar, and Ms. Noureen Sikander & Mr. Bhupesh Kumar Sharma got Consolation prizes. A 'Bhashan Competition' was organised for school students drawn from UTs of J&K and Ladakh. The competition was for two different categories of students - i) Students studying in 10th Class or above, and ii) Students studying in Classes below 10th Standard. The competition was organised as a part of 'CSIR Jigyasa' - a program to promote scientific temper through

student-scientist connect and took place in a hybrid mode. The winners in the category of Classes 10th and above were:- Mr. Parth Baru - first, Ms. Ayat Yaseen – second, whereas third prize was shared among Ms. Shriya Sharma and Ms. Irtiza Gulzar. Winners from students below 10th standard were Mr. Saib Ahmad Reshi - first prize, and Ms. Nidhi Devi - second prize.

The annual performance of work done in Rajbhasha (Mool Karya) by CSIR-IIIM individual employees, during financial year 2021-22 was also evaluated. The winners in this category were: Mrs. Jyoti Prabha - first prize, Mr. Yogesh Kumar - second, Mr. Abhishek Gupta – third, and Ms. Jyoti Devi, Sh. Bua Ditta & Mr. Rakesh Choudhary received the Consolation prizes.

At the end of ‘Hindi Pakhwada’, a Hindi Workshop was organised for the benefit of all the employees, Officers and Research Scholars of the Institute. Dr. Prianjan Sharma, Assistant Director (Rajbhasha), Central University, Samba (Jammu) was invited as Resource Person. Dr. Anindya Goswami - Senior Principal Scientist, graced the occasion. A large number of CSIR-IIIM staff members and students attended this Workshop. Shri Rajesh Gupta, Administrative Officer presented a vote of thanks.

On the occasion of 81st CSIR Foundation Day celebration on 3rd October, 2022, Chief Guest Prof Amitabha Chattopadhyay, CSIR Bhatnagar Fellow at the Center for Cellular and Molecular Biology presented certificates of appreciation to the winners of each category of competition. Dr. Padma Gurmet, Director, National Institute of Sowa Rigpa, Leh, Guest of Honour, Er. Abdul Rahim, Chief Scientist & Acting Director, CSIR-IIIM and Dr. Zabeer Ahmad, Chief Scientist, CSIR-IIIM also graced the occasion and accompanied Chief Guest Prof Amitabha Chattopadhyay to present certificates to the winners.

सीएसआईआर-राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान में हिन्दी पखवाड़ा समापन समारोह संपन्न



हिन्दी पखवाड़ा के समापन समारोह में उपस्थित अधिकारी।

हैदराबाद, 3 अक्टूबर
(मिलाप ब्यूरो)

सीएसआईआर-राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान में हिन्दी पखवाड़ा का समापन समारोह संस्थान के एस.बी. हॉल में संपन्न हुआ। अवसर पर आयोजित कार्यक्रम की अध्यक्षता संस्थान के निदेशक डॉ. वी.एम. तिवारी ने की। कार्यक्रम में मुख्य अतिथि के रूप में अंग्रेजी एवं विदेशी भाषा विश्वविद्यालय, हैदराबाद के कुलपति प्रो. ई. सुरेश कुमार उपस्थित थे।

आज यहाँ जारी प्रेस विज्ञप्ति के अनुसार, प्रो. सुरेश कुमार ने अपने सरल एवं सुबोध हिन्दी में एकल भाषिकता और बहु भाषिकता की तुलना की। उन्होंने विदेशों का उदाहरण देते हुए कहा कि एक मात्र भाषा बोलने वाले लोगों में लैटरल थिंकिंग की क्षमता बहुत कम होती है। वहीं यदि भारत जैसे बहु भाषी देशों में यह अधिक होती है। उन्होंने कहा कि किसी भी दूसरी भाषा सीखने के लिए पहले अपनी मातृभाषा पर पकड़ या सही रूप में प्रयोग करने की क्षमता हेनी चाहिए। मातृभाषा के ज्ञान के अभाव में किसी दूसरी भाषा को सीखना असंभव सी बात है। उन्होंने देश की दूसरी भाषाओं को सीखने के लिए सभी से आग्रह किया। डॉ. वी.एम. तिवारी ने स्मृति चिह्न और शॉल के साथ प्रो. सुरेश कुमार का सम्मान किया।

इससे पूर्व केंद्रीय गृह मंत्री अमित शाह का हिन्दी दिवस के अवसर पर दिया गया संदेश संस्थान के कनि. हिन्दी अनुवादक

अजित कुमार ने पढ़कर सुनाया।

डॉ. वी.एम. तिवारी ने हिन्दी पखवाड़े के दौरान आयोजित प्रतियोगिताओं के विजेताओं को बधाई दी। उन्होंने कहा कि इन पुरस्कारों से राजभाषा कार्यान्वयन संबंधी आपकी जिम्मेदारी और बढ़ जाती है। उन्होंने उम्मीद जतायी कि बाकी कर्मचारी भी राजभाषा संबंधी प्रगति कर आने वाले दिनों में पुरस्कार प्राप्त करेंगे। हाल ही में संसदीय राजभाषा समिति द्वारा किए गए संस्थान के राजभाषा संबंधी निरीक्षण का उल्लेख करते हुए कहा कि सभी के योगदान के कारण यह अत्यंत सफल रहा है। उन्होंने उम्मीद की कि इसी स्फूर्ति को लेकर आगे भी राजभाषा कार्यान्वयन में सभी योगदान देते रहेंगे और संसदीय समिति की अपेक्षाओं को पूरा करेंगे। उन्होंने कहा कि संस्थान की वैज्ञानिक उपलब्धियों और कार्य क्षेत्र के बारे में आम जनता को बताने की आवश्यकता है। इसके लिए बहुत अच्छा माध्यम हिन्दी भाषा है। उन्होंने सभी वैज्ञानिक एवं तकनीकी समूह के कर्मचारियों से अनुरोध किया कि वह अपने वैज्ञानिक अनुसंधान के बारे में हिन्दी में लिखें और उसका प्रचार-प्रसार करें।

अवसर पर हिन्दी पखवाड़ा आयोजन समिति के अध्यक्ष डॉ. देवेन्द्र कुमार (वरिष्ठ प्रधान वैज्ञानिक) ने अंग्रेजी की वैज्ञानिक विषय वस्तु का अनुवाद हिन्दी में करते समय आने वाली व्यावहारिक कठिनाइयों के बारे में उल्लेख करते हुए कहा कि अंग्रेजी शब्द

का सही हिन्दी शब्द न मिलने पर अंग्रेजी शब्द को लिप्यंतरित न कर उसके लिए नया शब्द हिन्दी में बनाने का प्रयास किया जाना चाहिए। हिन्दी में विज्ञान लेखन के लिए ऐसी क्षमता हेनी जरूरी है। उन्होंने संस्थान में हिन्दी के प्रचार-प्रसार के लिए आयोजित हिन्दी पखवाड़े (16 से 30 सितंबर) के दौरान आयोजित विभिन्न कार्यक्रमों एवं प्रतियोगिताओं की जानकारी दी। उन्होंने कहा कि संस्थान में हिन्दी वर्तनी, हिन्दी वक्तृत्व, हिन्दी गीत गाना, हिन्दी कविता वाचन, हिन्दी टंकण, हिन्दी प्रशासन शब्दावली और हिन्दी निबंध लेखन तथा हिन्दी अंताक्षरी प्रतियोगिताएँ आयोजित की गयीं, जिनमें संस्थान के कर्मचारियों एवं उनके परिजनों ने हिस्सा लिया। उन्होंने विजेताओं को बधाई देते हुए कहा कि हिन्दी पखवाड़े के दौरान संस्थान में वैज्ञानिकों द्वारा हर वर्ष आयोजित किए जाने वाले आंतरिक हिन्दी व्याख्यानों के अंतर्गत इस वर्ष संस्थान के मुख्य वैज्ञानिक डॉ. पी.एस.आर. प्रसाद द्वारा 'राजालाकार हाइड्रेट-संभावनाएँ एवं चुनौतियाँ' शीर्षक हिन्दी में व्याख्यान दिया। उन्होंने आयोजन समिति की ओर से मुख्य अतिथि प्रो. ई. सुरेश कुमार, संस्थान के निदेशक डॉ. वी.एम. तिवारी तथा संस्थान के हिन्दी अनुभाग को धन्यवाद दिया। समारोह में पखवाड़े के दौरान आयोजित प्रतियोगिताओं में पुरस्कार प्राप्त कर्मचारियों और उनके परिवार के सदस्यों को मुख्य अतिथि द्वारा पुरस्कार प्रदान किए गए। कार्यक्रम का शुभारम्भ शोध छात्र शरबजीत दास द्वारा प्रस्तुत वंदना से हुआ। मुख्य अतिथि का परिचय संस्थान के वरिष्ठ हिन्दी अधिकारी चि.वें. सुब्बाराव ने दिया। संस्थान के प्रशासन नियंत्रक डी.वी.एस. शास्त्री के धन्यवाद ज्ञापन के साथ कार्यक्रम संपन्न हुआ। कार्यक्रम का समन्वयन एवं संचालन संस्थान के वरिष्ठ हिन्दी अधिकारी चि.वें. सुब्बाराव ने किया।

Experts and social workers honoured for empowering hearing-impaired students

CSIR-IMTECH

03rd October, 2022

To recognise their efforts in empowering hearing-impaired students, Haryana Governor Bandaru Dattatraya, at a function held in Rohtak recently, honoured selected social workers, experts and scientists. The awards were instituted by the Haryana Welfare Society for Persons with Speech and Hearing Impairment (HWSPSHI) to honour the experts from different fields for their efforts for social inclusion of deaf learners and for serving as promoter of the interests of the deaf community on various platforms.



The Governor honoured social worker Sharad Goel, artist Bhavna, Rohtak's Maharshi Dayanand University (MDU) Vice-Chancellor Prof Rajbir Singh, an expert of deaf affairs Pallavi and multimedia expert Himanshu Kansal, who is himself hearing-impaired.

Dr Alka Rao, principal scientist of CSIR-IMTECH — a research institute of the Council of Scientific and Industrial Research (CSIR) in Chandigarh, was honoured for her outstanding contribution in development of Indian sign language-enabled high quality digital educational resources for science, technology, engineering and mathematics subjects in consonance with contemporary learning practices leading to holistic empowerment.

To offer higher education in science, technology and engineering to hearing-impaired students, the scientists of CSIR-IMTECH had earlier initiated a process to prepare content that would help them excel in areas that were out of their reach.

In an event in March this year, HWSPSHI chairperson, Dr Sharanjeet Kaur, had pointed out extreme challenges hearing-impaired students have to face due to lack of accessible content for them.

सीएसएमसीआरआई में 'कार्यस्थल पर महिलाओं के यौन उत्पीड़न अधिनियम 2013' पर जागरूकता कार्यशाला



भावनगर

सीएसआईआर - सीएसएमसीआरआई, भावनगर में 29 सितंबर को संस्थान के कर्मचारियों के लिए 'कार्यस्थल पर महिलाओं के यौन उत्पीड़न अधिनियम 2013' पर

जागरूकता सृजन कार्यशाला का आयोजन किया गया जिसे डॉ. सुनीता एच खुराना, निदेशक, सेंटर फॉर एडवोकेसी एंड रिसर्च, नई दिल्ली द्वारा संबोधित किया गया। उन्होने कार्यशाला

में कार्यस्थल पर महिला कर्मचारियों के अधिकार, यौन उत्पीड़न की रोकथाम, सहकर्मियों द्वारा निषेधित व्यवहार पर विस्तृत चर्चा की। ऐसी घटनाओं के निवारण पर भी प्रकाश डाला।



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)