

CSIR IN MEDIA



सीएसआईआर

CSIR

भारत का नवाचार इंजन

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NEWS BULLETIN

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CSIR-IIIM Aroma Mission has empowered farmers for sustainable future: Dr Jitendra

CSIR-IIIM

25th February, 2024

Dr Jitendra Singh, Union Minister of State (Independent Charge) for Science & Technology, and Minister of State for PMO, Personnel, Public Grievances, Pensions, Atomic Energy, and Space and Vice President, CSIR, on Sunday inaugurated an awareness, training and lavender quality planting material (QPM) distribution programme here.

The programme is being held under the Council of Scientific and Industrial Research–Indian Institute of Integrative Medicine (CSIR–IIIM) Aroma Mission at Basohli. Speaking on the occasion, Dr Jitendra, who was the chief guest, said, “The agri-startup from the region is the outcome of CSIR-IIIM activities under Aroma Mission which now takes root in Basohli thus empowering the farmers for a sustainable future.”

Appreciating the efforts of CSIR-IIIM achievement under the Aroma Mission, the minister said the lavender cultivation now has been spread to Himachal Pradesh, Uttarakhand and other north-eastern states. “Such initiatives not only promote sustainable farming practices but also create new income opportunities for the community,” he said.

Dr Singh said the successful launch of the Aroma Mission Awareness program in Basohli, Kathua signifies the institute's commitment to sustainable agriculture and its collaborative approach with the government and farmers. “This initiative has the potential to create a ripple effect, inspiring other communities to adopt eco-friendly farming practices and contribute to a more sustainable future for the region,” he said.

According to a statement issued by the institute, the programme, aimed at promoting sustainable farming practices, drew a crowd of enthusiastic farmers and dignitaries, marking a significant step towards a greener future for the region. Prominent among others present were Col. Mohan Singh, Chairman, DDC Kathua, Tajinder Singh, Reeta Thakur and Narayan Dutt

Tripathi (All DDC members). Earlier, Dr Zabeer Ahmed, Director, CSIR-IIIM, Jammu in his welcome address said CSIR-IIIM, Jammu besides doing cutting-edge Science has been actively involved in the CSIR Aroma Mission and CSIR Floriculture Mission which have far-reaching impact on the economic development and rural prosperity. “In the Viksit Bharat Sankalp Yatra, the CSIR-IIIM assures full support and appeals to the farmers, who are real stakeholders of these missions, to effectively join with the institute to take forward the activities under such societal projects,” he said.

More than 750 farmers including the women from self-help groups of NRLM from various areas of Basohli and Bani participated in the event and received the quality planting material of lavender from the chief guest for cultivation in their fields, according to the statement.

In the technical sessions coordinated by Dr Suphla Gupta, Nodal Scientist Aroma Mission and Dr Saurabh Saran, Principal Scientist also provided valuable guidance on cultivation techniques, timing, and potential uses and practical insights into planting techniques and cultivation practices. Dr Rajinder Bhanweria, Dr V P Rahul, and Er Ankush Varma also delivered expert talks in the technical session.

International Conference at CSIR-IIIM enlightens scientists on Traditional & Phytopharmaceutical drugs

CSIR-IIIM

25th February, 2024

CSIR-Indian Institute of Integrative Medicine (IIIM) is a premier research institution, under the aegis of Council of Scientific and Industrial Research (CSIR), Union Ministry of Science & Technology, located in Jammu with its Branch Lab in Srinagar and five experimental field stations located at different geo-climatic zones across J&K and Ladakh Union Territories.

Since its establishment in 1941, this organization has made a huge impact by contributing more than Rs. 4000 crore to Indian economy by conducting research on various crops like Mint, Hops, Pyrethrum, Artemisia Annua, Lavender and Rose. In order to harness the potential of natural resources of J&K for prosperity of farmers, CSIR-IIIM has undertaken various mega research projects like J&K Aroma Arogya Gram (JAAG), CSIR Aroma and Floriculture Missions.

Out of 101387 square km total land of erstwhile J&K State, only 27632 square km is being utilized and rest of 73754 square km is wasteland. Through these projects, the institute brought 5% of wasteland under medicinal and aromatic plants' cultivation which after maximum utilization is estimated to generate upto Rs. 5000 crore economy for J&K and Ladakh. This indicates that the region is bestowed with abundant natural resources of very high value which if tapped innovatively can have an impact on socio-economic development.

In addition to mission programmes having direct societal impact, the institute has focused on development of phytopharmaceutical drugs with a goal to position these globally. CSIR-IIIM, Jammu being nodal institute for CSIR Phytopharmaceutical Mission has steered the completion of two phases and phase-III of Phytopharmaceutical Mission is going to be launched in April this year.

In order to have a robust exchange of ideas, experience sharing and overcoming the hindrances to

further the development of phyto-drugs, the institute hosted an International Conference on Traditional Medicine and Phytopharmaceuticals from February 16 to 18, 2024 at Jammu. The event, first of its kind, deliberating and brainstorming on advances and cutting edge research in traditional medicines and phytopharmaceuticals was organized by CSIR-IIIM Jammu in collaboration with Society for Ethnopharmacology, India (Jammu Chapter).

The conference was inaugurated on February 16 by Dr. Jitendra Singh, Union Minister of State (Independent Charge), Science and Technology and Vice President, CSIR, who was the chief guest, in presence of the guests of honour, Dr N Kalaiselvi, DG CSIR and Secretary, DSIR, GOI and Padma Shri Prof. Vinod K Singh, Chair Professor, Gautam & Namita Chair, IIT Kanpur. More than 100 distinguished scientists of eminence, technologists, policy makers, industrialists, academicians, clinicians and researchers from India and abroad including USA, Malaysia, Bangladesh, United Kingdom, Australia, Italy and Ghana were also present on the occasion.

Dr. Ashutosh Gupta, Principal Government Medical College, Jammu was chief guest at valedictory function. While addressing he said that the conference organized by CSIR-IIIM Jammu and SFE featuring deliberations and meetings among traditional healers, researchers, scientists, industrialists and policy makers would have far reaching impact on global positioning of traditional and phytopharmaceutical drugs.

Pertinently Plant-based medicines, derived from the rich botanical tapestry of nature, embody centuries of traditional healing wisdom. Harnessing the therapeutic potential of botanical diversity, these medicines offer a holistic approach to wellness. Ethnopharmacology, or the interdisciplinary study of indigenous knowledge about medicinal plants, is critical to the preservation and advancement of traditional medicine. Traditional medicine is based on cultural practices and passed down through generations, represents the collective wisdom of various groups. Ethnopharmacology not only archives these important insights but it also investigates the scientific basis of plant-based therapies. This collaboration establishes a link between old traditions and modern healthcare, revealing fresh therapeutic possibilities.

Recognizing the value of ethnopharmacology protects biodiversity, empowers indigenous communities and supports sustainable healthcare practices. As society embraces sustainable and natural alternatives, the resurgence of plant-based medicines represents a profound connection to ancient healing traditions, fostering a harmonious relationship between humans and the botanical wonders that have served as pharmacies for generations.

CSIR-IIIM has been the flag bearer of plant-based medicines since its establishment in pre-independent India. Supportive policies of the present government to revive the traditional medicines system have given CSIR-IIIM renewed energy and vigour, as well as resources to work on plant-based medicines. CSIR has already completed two phases of Phytopharma Mission and the third phase of Phytopharma Mission will be starting from this financial year. This unique programme focuses on generating scientific data using modern pharmacological methods to validate the claims of traditional medicines. This involves testing for efficacy, detailed chemical analysis, toxicological analysis and production of these medicines in GMP (Good Manufacturing Practices) grade facilities. All this provides the necessary framework for making these plant-based medicines acceptable in the global stage.

During the three days mega-event more than 20 scientific sessions, including 'I-Connect program: Business Meet' on theme "Development of Phytopharmaceutical Drugs: Tradition to Translational", "Young Ethnopharmacologist Award Function", "American Chemical Society Best Oral Presentation Award Session", "SFE Best Poster Presentation Session", panel discussion on "Opportunities and Challenges in Cannabis Research". During panel discussion on Cannabis Research, the deliberation among the stakeholders revealed the efforts being made and various hurdles that need to be countered. Medicinal Cannabis is a big opportunity for the economic development of the country. To tap this potential, a proper policy framework at national level is required. It was decided that a white paper has to be put forward to the government flagging bottlenecks and to apprise about the R & D progress made in the country. A centralized policy needs to be framed so as to address all the hurdles faced during the developmental stages. It was also decided that a follow up, brainstorming session should also be conducted for the futuristic approach by the participation of academy, industry, start-ups, regulators and policy makers. Other scientific sessions included talks on "Phytopharmaceuticals: Drug Development from Traditional

Medicine”, “Evidence-Based Validation of Traditional Medicine”, “Traditional Ethnopharmacology Inspired Drug Discovery and Development”, “Development of Botanical/Herbal Drugs: Global Perspective”, “Global Positioning of AYUSH Products: Standardization and Validation”, “Natural Products Inspired Modern Drug Discovery”, “Network/Reverse Pharmacology in Herbal Drug Discovery”, “New Approaches for Phytopharmaceutical Drugs Development”, “Ethnomedicine: an Invaluable Source of Novel Drug”, “Regulatory Aspects of Phytopharmaceutical Drugs (US FDA/EMA)”, “Opportunities and Challenges in Cannabis Research”, “Bioprospecting Plants and Microbes for Development of Therapeutics”, “New Approaches in Natural Product Drug Discovery” etc.

In the Traditional Healers Meet, Director IIIM-Jammu while addressing the participants informed that traditional healers from J&K and UT of Ladakh also have several herbal products to treat various ailments and CSIR-IIIM would in future organize similar meet for traditional healers from this region, to assist them in validation of their compositions and generate data for regulatory compliance, which would eventually pave way for better global acceptability of these medicines. Oral and poster presentations by young scientists and research scholars were also part of the conference and awards were given to best presentations.

The ACS poster presentation award was given to Srijon Gayen, Rubina Chowdhary, Sheetal Bhat and the ACS oral presentation award was given to Norein Khantwal, Mahir Bhadwaj and Priyamvada Gupta. The RSC best poster presentation award was given to Laetita Meuyou Youmbi, Mandeep Kour and Haseena Shafeeq and the RSC best oral presentation award was given to Lokesh Dev, Dhivya Dheer and Nagma Banjare. The Himalayan awards were given to Tusharika Kotra, Suhail Maqbool, Shweta Sharma and Anita Kumari Rai. The ACD Best Research Awards were given to V Badireenath Konkimalla, Bashir Ahmed and Kapil Dev. (The author is Director CSIR-IIIM, Jammu)

CSIR-NIScPR organizes Workshop on Effective Science Communication Strategies

CSIR-NIScPR

23rd February , 2024

The CSIR-National Institute of Science Communication and Policy Research (NIScPR) hosted an Orientation Workshop in New Delhi today, empowering its Science Media Communication Cell (SMCC) with valuable insights from renowned experts. The workshop aimed to equip the SMCC with effective strategies to communicate science and technology (S&T) related information of Indian science to the public.



Dr. Dipendra Mazumder, Faculty, National Academy of Broadcasting and Multimedia (NABM), Prasar Bharati shared his experiences on "Communicating S&T information effectively via radio," highlighting the power of this medium to reach diverse audiences across the nation. He elaborated on the activities of All India Radio to effectively communicate science to the public.

Ms. Rakhee Bakshee, Communication Advisor, Indian Institute of Public Administration (IIPA) offered valuable insights on "The Role of Short Videos and Reels in communicating science," emphasizing the growing importance of engaging, short, precise and crispy content in today's digital age. She said that we need to be careful about growing misinformation on social media and how we should tackle it by verifying the information and instantly fact-checking it.

The talk of Dr. B.K. Tyagi (renowned science communicator) was focused on "Communicating science through traditional folk Media." He showcased the power of leveraging familiar

cultural expressions to connect with communities and promote scientific understanding. He described the examples how to approach, communicate and present scientific information through traditional folk media.

Dr. Sujit Bhattacharya, Chief Scientist and officiating Director, CSIR-NIScPR, emphasized the importance of effective science communication in bridging the gap between scientific research and the public. “This workshop equips the SMCC with the necessary tools and strategies to disseminate complex S&T information in a clear, engaging, and accessible manner”. He also suggested a peer-review committee of scientists & experts for social media content related fact checking.

The workshop provided the SMCC with a comprehensive understanding of diverse communication channels and techniques, enabling them to tailor their approach to reach specific audiences and foster greater public engagement with science.

Dr. Naresh Kumar, Head, Project Monitoring and Evaluation Division of CSIR-NIScPR emphasized the significance of Science Media Communication Cell (SMCC) and its role to disseminate Indian R&D breakthroughs to various media platforms. Dr. Manish Mohan Gore, Scientist, CSIR-NIScPR and Principal Investigator, SMCC provided a brief outline about the mandate of SMCC, its key activities and orientation workshop to motivate the participants about science communication. Staff members of SMCC as well as Ph.D. students actively participated in the workshop and learnt a lot from each of the expert.

The Council of Scientific and Industrial Research-National Institute of Science Communication and Policy Research (CSIR-NIScPR) is dedicated to advancing science communication, evidence-based S&T policy research and promoting scientific awareness among the public. Through innovative initiatives and collaborative efforts, CSIR-NIScPR strives to bridge the gap between the scientific community and the general public.

Published in:

[Pib](#)

CSIR-Structural Engineering Research Centre organises International Mother Language Day 2024

CSIR-SERC, NEERI

23rd February , 2024

The International Mother Language Day celebrated with great enthusiasm at the CSIR-Structural Engineering Research Centre (CSIR-SERC) and CSIR Madras Complex (CMC) from 21 to 23 February 2024. The whole programme comprises of four sessions - an inaugural programme, presentation of research activities, technical / literary talks in mother language, cultural programme and valedictory sessions. The



inaugural programme was held on 21 February 2024 at 11 AM at the Vigyan Auditorium of the CSIR Campus.

Thiru Valliappan Nagappan, Economic Observer & Commentator, Columnist, Author, Independent Director was the chief guest of the function. The function started with Tamil Thai Vaazhthu and the lighting of the lamp by the dignitaries. Dr. N. Anandavalli, Director, CSIR-SERC and Coordinating Director, CMC, gave the welcome address, in which she spoke in brief on the significance of the mother language for achieving excellence. Quoting the Thirukkural 'Karka Kasadara Karpavai Katrapin Nirka Atharku Thaga,' she emphasized the importance and benefits of education in the mother language. Speaking on this year's International Mother Language Day theme, 'Multilingual education – a pillar of learning and intergenerational learning' she stressed on the need and significance of multilingual education in the present scenario. She also stressed the need to learn and protect the mother language and pointed out that many languages are at risk of extinction. She also pointed out that both culture and language are interlinked and are key for the identity and sustenance of any society.

Dr. G.S. Palani, Chief Scientist, CSIR-SERC, briefed on the International Mother Language Day 2024 celebrations and the four sessions being organized as a part of it. Dr. C Bharathi Priya, Principal Scientist, CSIR-SERC, introduced the chief guest to the audience.

Shri Valliappan Nagappan delivered the International Mother Language Day special address. In his address, he appreciated CSIR for taking the initiative of celebrating this day in a big way. He said the mother language is often deeply intertwined with one's cultural identity and heritage, and preserving it helps to maintain a strong sense of self and connection to their roots. Speaking on the need for learning multiple languages, he said in the present society, where multiple generations are coexisting, understanding and effectively collaborating across all groups is essential for fostering a harmonious environment. Lauding the contributions and efforts of certain Tamil media outlets for their work in promoting the Tamil language, he said any communication should be made in simple language so that it reaches the people effectively. He also emphasized on the importance of the script of languages and said the loss of script will lead to their eventual extinction, and said it is important that the younger generation learn writing in their mother language. He also shared his experiences as a writer with the audience. Dr. T. Rajesh, Senior Scientist, CSIR-NEERI proposed vote of thanks.

On the second session of International Mother Language Day 2024 - presentation of research activities and technical/literary talks in mother language - was organized on 22.2.2024. A total of 21 presentations were made - eleven in the Tamil language, five in Telugu, three in Malayalam, and one each in Kannada and Odia, by the scientists and technical staff of CSIR-SERC and CMC.

The third session comprised of cultural programmes was held on 22.02.2024. Pattukku Pattu, Pechu Engal Moochu, Sollodu Vilayadu, and Technical Quiz were organized. The staff members of CSIR-SERC and CMC participated enthusiastically in all the programmes.

The valedictory session of the International Mother Language Day 2024 was held on 23.02.2024. Thiru Sivakumar, a well-known artist, orator, and actor of Tamil cinema, was the

chief guest of the valedictory function. Dr. Anandavalli delivered the welcome address. In her address, she said that the mother language is a very important communication tool for anyone and is the foundation for the overall growth of an individual. Speaking on the vast knowledge and wide range of topics covered in Thirukkural, she pointed out that Thirukkural is one of the most translated literary works in the world, with translations in 41 languages.

Dr. Palani briefed on the various sessions organized as a part of the International Mother Language Day 2024 at the CSIR campus during 21-23 February 2024. Dr. S. Parivallal, Chief Scientist & Advisor (M), CSIR-SERC, introduced the chief guest to the audience.

Thiru Sivakumar delivered the International Mother Language Day special address. In his address, he spoke on the Purananuru paadal 'Yaadhum Oore Yaavarum Kelir' and said that, written 2000 years ago, it is consistent with today's times, and shows that the Tamil people have lived with great wisdom since ancient times. He also spoke on philosophies of life as explained by the ancient Tamil literature. He mentioned the Purananuru paadal 'Selvathu Payane Eethal' and said that if there is wealth in excess of one's needs it cannot be used. Therefore, the purpose of acquiring wealth is to share it with others. A video on the speech of Thiru Sivakumar on his book Thirukkural 100 at the Erode Book Festival 2022 was played before the audience. The book is on taking a hundred Thirukkural and combining them with relevant life experiences, -'Kural with the history of those who lived the way of Valluvar'.

The chief guest also presented mementos to participants who made technical presentations in their mother language and those who had participated in the cultural events. Shri P Suresh, Principal Technical Officer, CSIR-CMC, proposed vote of thanks.

यमुना पुल पर भार की जांच करेगी सीएसआईआर की टीम

CSIR

23rd February, 2024

औरैया। शेरगढ़ घाट स्थित यमुना नदी पुल पर 30 टन से अधिक भार के वाहनों के आवागमन पर लगी रोक हटना पुल की लोड क्षमता रिपोर्ट पर निर्भर करेगी। इसके लिए विशाखापट्टनम की सीएसआईआर इंस्टीट्यूट की टीम को पुल की लोड क्षमता मापने के लिए पीडब्ल्यूडी विभाग की ओर से संपर्क साधा गया है। औरैया-जालौन जिले को जोड़ने वाले यमुना नदी पर बने पुल की जर्जर हालत को 13 लाख रुपये से दुरुस्त कराए जाने के बाद तीन अक्टूबर 2023 से भारी वाहनों के लिए खोल दिया गया था। इसके बाद पीडब्ल्यूडी विभाग के अधिकारियों ने पुल की क्षमता पर सवालिया निशान लगाते हुए जिलाधिकारी को रिपोर्ट सौंपी।

इसमें पुल की सुरक्षा को लेकर क्षमता की जांच कराए जाने तक 30 टन से अधिक के वाहनों के निकलने पर रोक लगाए जाने की बात कही गई थी। उक्त पत्र के मद्देनजर जिलाधिकारी नेहा प्रकाश के आदेश पर 15 दिसंबर से पुल पर 30 टन भार से अधिक के वाहनों के आवागमन पर रोक लगा दी गई। तब से आज तक पुल पर रोक जारी है। इधर, निर्धारित क्षमता से अधिक क्षमता के वाहन बंडेलखंड एक्सप्रेसवे से फर्ला भर रहे हैं। इसमें खासकर गिट्टी, मिट्टी व मौरंग लदे डंपर शामिल हैं। वहीं पुल की लोड क्षमता का आकलन करने के लिए पीडब्ल्यूडी विभाग के अधिकारियों ने विशाखापट्टनम की सीएसआईआर (काउंसिल ऑफ साइंटिफिक एंड इंडस्ट्रीयल रिसर्च) से संपर्क किया। इस पर सीएसआईआर की ओर से इस जांच पर आने वाले 30 लाख रुपये खर्च के साथ ही 18 प्रतिशत जीएसटी के भुगतान किए जाने का पत्र बनाकर विभाग को भेज दिया है। इसे विभाग की ओर से स्वीकृति के लिए शासन को भेजा गया है। शासन से स्वीकृति मिलते ही यमुना नदी पुल की क्षमता की जांच कराते हुए रिपोर्ट के आधार पर 30 टन से अधिक क्षमता के वाहनों के आवागमन पर निर्णय लिया जा सकेगा। वर्जन विशाखापट्टनम की सीएसआईआर के वैज्ञानिकों से जांच कराए जाने को संपर्क किया गया था। जिस पर उनकी ओर से इस जांच पर आने वाले खर्च का ब्योरा दिया गया है। इसको स्वीकृति के लिए शासन को भेजा है। स्वीकृति मिलते ही पुल की भार क्षमता की जांच कराई जाएगी।

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[Amarujala](http://amarujala.com)

Green Hydrogen will play a key role in India's energy transition: CSIR-NCL Director

CSIR-NCL, CCMB

22nd February, 2024

Hyderabad: Green Hydrogen, a form of Hydrogen produced through processes with substantially low carbon emissions, will play a key role in India's energy transition, CSIR-National Chemical Laboratory Director Ashish Lele said here on Thursday.

Lele was delivering the keynote lecture titled 'India's Energy Status and the Possibility of Using Green Hydrogen Fuel in the Country' at the city-based CSIR-Centre for Cellular and Molecular Biology (CCMB), which celebrated the birth anniversary of its Founder Director P M Bhargava.

"Green hydrogen -- produced through processes with substantially low carbon emission -- will play a key role in India's energy transition particularly in the sectors of industry and heavy-duty commercialisation," a CCMB release quoted Lele as saying.

"This is a day for us, as an institute, to remember everything that CCMB stands for. It was established as a place where scientists can get creative with their thoughts and yet stay rooted to the realities of society. And that has been the essence of our celebrations this year," CCMB Director Vinay Nandicoori said. This was the 8th consecutive Founder's Day celebration at CCMB. The institute celebrated the day with the institute's PhD scholars connecting with its alumni, the release added.

Published in:

[Economictimes](https://economictimes.com)

International conference on salt and marine chemicals to begin at CSMCRI in Bhavnagar on Thursday

CSIR-CSMCRI

22nd February, 2024

Around 300 industry captains and researchers from around the world will gather at the Central Salt and Marine Chemicals Research Institute (CSMCRI) in Bhavnagar for discussing advances in salt and marine chemicals as part of a two-day international conference which will begin on Thursday.

Sheik Abdulaziz Al Qahtani, chairman of Abdulahadi A. Al Qahtani Sons Group Holding Co, Saudi Arabia will be the chief guest at the inaugural ceremony of the conference named Advances in Salt and Marine Chemicals: Brine Mining, Purification, and Resource Recovery (ICASMC-2024). Franz Goetzfried owner of Salt Research & Consulting, Germany will be the guest of honour at the inaugural ceremony.

A salt exhibition will also be organised simultaneously on the campus of the CSMCRI, the premier research laboratory run by the Central government.

“Salt (sodium chloride) is a mother chemical for various chemical and allied industries and India is the third largest salt producing country globally. Gujarat is India’s highest salt-producing state, and accounts for 80% of the country’s total production followed by Rajasthan and Tamil Nadu. Also, the by-product obtained after solar salt production, called bittern is a potential source for the recovery of valuable marine chemicals like bromine, potash and magnesium chemicals. As India aspires to become the second largest salt producing country in the world, the knowledge sharing and discussions among the stakeholders is the dire necessity. The International Conference on Advances in Salt and Marine Chemicals: Brine Mining, Purification and Resource Recovery (ICASMC 2024) will serve as a dynamic platform for participants to discuss the latest advancements, discoveries, and technologies in mineral extraction from different types of brines,” an official release from CSMCRI said, adding around 300 industry leaders, academicians, researchers and students will participate in the

conference. Dr. Daniel McKorley, executive chairman McDan Group, Ghana will be the guest of honor at the valedictory session on Friday. “Indian delegates from all parts of India and Foreign delegates from Saudi Arabia, Germany, Oman, Ghana, Tanzania, Tunisia, etc. are expected to attend the event. More than 300 attendees have registered for the event.”

Footwear in Indian sizing from 2025: CSIR

CSIR-CLRI

21st February, 2024

By 2025, footwear as per Indian sizing system will be available in the country, against the existing US and UK sizes, said N Kalaiselvi, director general of Council of Scientific and Industrial Research (CSIR), on Tuesday.

She said that Central Leather Research Institute (CLRI), a constituent laboratory under CSIR, has already completed its pan-India feet scanning survey and submitted the final report to the Bureau of Indian Standards.

“Over 1 lakh people from across 73 districts of India, within the age group of 5 to 55 have been surveyed and the report has been submitted to BIS. We will be able to launch the Indian footwear sizing system by 2025,” said Kalaiselvi during her visit to CLRI.

She added that CLRI will now focus on creating footwear to meet health care needs of people. “With consultation from doctors and physiotherapists, they will develop footwear for patients suffering from orthopedic, diabetes and hormonal imbalance related problems,” said Kalaiselvi.

“Indians have wider feet, so while creating the sizing system along with length, we have also taken width of the feet into account,” said CLRI director KJ Sreeram.

“We will conduct a user trial on 10,000 people with the new sizes for next 18 months, following which footwear with Indian sizes will be available in market,” added Sreeram.

Published in:

[New Indian Express](#)

विभिन्न देशों के 40 भारतीय प्रवासी युवाओं ने देखी ऊर्जा क्षेत्र में भारत की प्रगति यात्रा

CSIR-IIP

21st February , 2024

भारत को जानो कार्यक्रम के तहत सीएसआईआर-आईआईपी का किया दौरा देहरादून, 19 फरवरी (हि.स.)। भारत सरकार के भारत को जानो कार्यक्रम (केआईपी) के एक अंश के रूप में विभिन्न देशों के भारतीय मूल के 40 प्रवासी युवाओं ने सोमवार को सीएसआईआर-आईआईपी का दौरा किया। वर्ष 2003-04 में प्रारंभ भारत को जानो कार्यक्रम भारत सरकार के विदेश मंत्रालय की एक पहल है।



इसका उद्देश्य 21 से 35 वर्ष के आयु वर्ग के प्रवासी भारतीय युवाओं को अपनी मातृभूमि के साथ जुड़ाव की भावना का अनुभव कराना, उन्हें भारत में हो रहे अभिनव परिवर्तनों से प्रेरित करना और उन्हें समकालीन भारतीय कला, विरासत, संस्कृति, अर्थव्यवस्था, नवाचार, विज्ञान और प्रौद्योगिकी आदि के विभिन्न पहलुओं से अवगत कराना है।

वर्तमान 74वें संस्करण में मॉरीशस, म्यांमार, दक्षिण अफ्रीका, श्रीलंका, त्रिनिदाद और टोबैगो, मलेशिया, सूरीनाम, फिजी और गुयाना से भारतीय मूल के वे प्रवासी युवा सम्मिलित हैं, जो दूसरी-तीसरी पीढ़ी के भारतीय हैं। उनमें से अधिकांश ने इस कार्यक्रम में भाग लेने से पहले भारत का दौरा नहीं किया है। इस यात्रा का उद्देश्य प्रतिभागियों को पेट्रोकेमिकल व रासायनिक उत्पादों के विकास और परिष्करण से संबद्ध प्रक्रम एवं नवीन प्रौद्योगिकियों के बारे में बहुमूल्य जानकारी प्रदान करना था।

सीएसआईआर-भारतीय पेट्रोलियम संस्थान (आईआईपी) देहरादून के निदेशक डॉ. हरेंद्र सिंह बिष्ट ने औपचारिक रूप से प्रतिभागियों का स्वागत किया। संस्थान के जनादेश और विजन पर एक संक्षिप्त सिंहावलोकन प्रस्तुत किया। डॉ. सनत कुमार, प्रमुख, आरपीपीएम ने प्रतिभागियों को सीएसआईआर-आईआईपी के पूर्व और वर्तमान अनुसंधान कार्यों की जानकारी दी। संस्थान की

सफलता के ऐतिहासिक लम्हों पर भी प्रकाश डाला। इसके बाद प्रतिभागियों ने उन्नत गैस पृथक्करण प्रयोगशाला, घरेलू दहन प्रयोगशाला, बायो-जेट ईंधन पायलट प्लांट और अपशिष्ट प्लास्टिक से ईंधन निर्माण संयंत्र का दौरा किया तथा सम्बद्ध वैज्ञानिकों एवं तकनीकी अधिकारियों के साथ चर्चा की। सीएसआईआर-आईआईपी द्वारा किए जा रहे अनुसंधान एवं विकास कार्यों की जानकारी पाकर सभी प्रतिभागी अत्यंत अभिभूत और ऊर्जित हुए। इस यात्रा से प्रतिभागी आजादी के बाद से अब तक ऊर्जा क्षेत्र में भारत की प्रगति यात्रा से परिचित हुए। कार्यक्रम का संचालन सीएसआईआर-आईआईपी की विज्ञान संचार और प्रसार टीम ने किया।

India to have its own footwear sizing system

CHENNAI: India will get its own Indian footwear sizing system by 2025. The footwear will be certified by BIS and 1.25 lakh samples from 79 districts across the country have been collected by the Central Leather Research Institute (CLRI). The report has been submitted to the BIS and trials will begin after approval.

N Kalaiselvi, Director General of the Council of Scientific and Industrial Research (CSIR) and secretary of the Department of Scientific and Industrial Research (DSIR), on Tuesday, said that CLRI has been given the responsibility to work on the Indian system of footwear sizing and it should be implemented by 2025.

"The user trials will be done for about a year on about 10,000 people and monitored for the 5-55 age group. The customisation of the sizing system would help Indians have a much more comfortable

footwear as it would not just consider the length but also the width of the foot," she explained.

Talking about the adaptability of the Indian system by other countries, Kalaiselvi said: "Adapting the Indian sizing system would boost online sales of other brands."

CLRI is also bringing out footwear for healthcare to ensure that

comfortable footwear is made available for the people suffering from various illnesses, particularly women. It's being designed with inputs from doctors, psychotherapists, diabetic care specialists, gynaecologists and other experts.

"Testing is being done

for children with Ankle Foot Orthosis, which is a corrective footwear for kids born with disabilities such as cerebral palsy. The department is also looking at designing footwear for the disabled community that also can also help in moving the foot," she averred.



N Kalaiselvi, CSIR

CSIR-CLRI

21st February, 2024

Leather Institute to develop healthcare footwear, models to be ready in a year, says official

The Hindu Bureau
CHENNAI

N. Kalaiselvi, Director-General, Council for Scientific and Industrial Research (CSIR) on Tuesday said that the Central Leather Research Institute (CLRI) here will develop healthcare footwear.

Interacting with presspersons, she said CLRI had already begun working with doctors and other healthcare professionals for the same and the models are likely to be ready in a year.

“We have already started to make footwear for children with cerebral palsy. If they wear these as

children, the problem can be corrected. Trials are to be done for these. We are looking at footwear that will be motorised,” explained CLRI Director K. J. Sreeram.

Dr. Kalaiselvi also went on to explain that in 18 months’ time, CLRI would get the Indian Footwear Sizing system ready. “We have collected over one lakh samples and are processing the data. We have submitted the sizes to the Bureau of Indian Standards (BIS). Now, we will manufacture shoes and footwear along with shoe manufacturers and then conduct user trials for six months,” he explained.

The Director-General said the CLRI, which handholds the footwear industry from end to end, would also look at making sports shoes that are suited to Indian feet.

She said that she would soon write to the Ministry of Road Transport and Highways to adopt the technology that CSIR had perfected to use slag, a waste product from steel industry in laying roads. “The lifetime of such steel slag roads is three times more and is economically viable. We have region-specific data about where slag is available. We have perfected paver rejuvenation technology,” she said.

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