CSIR IN MEDIA

सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

NEWS BULLETIN
11 TO 15 APRIL 2024

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

CSIR IHBT Palampur organized a workshop on the basics of laboratory animals in preclinical research

CSIR-IHBT

15th April , 2024

In this workshop, the youth researchers will have the opportunity to acquire the skills required for high-quality research. On this occasion, Dr. Om Prakash Sharma, former Chief ICAR-IVRI, Palampur; gave a keynote address on "An Overview of the Use of Laboratory Animals in Medical Research" Dr. Sudesh Kumar Yadav, Director CSIR-IHBT inaugurated the workshop And welcomed all the people present, the work being done by the institute on the above-mentioned subject. Dr. Yadav also highlighted the importance of laboratory animals in today's context. He appealed to the participants to make full use of this opportunity to adopt new technologies, Learn, and build an advanced society. Before this, the organizer of the workshop, Dr. Vikram Patial, gave detailed information about the workshop and said that this workshop was organized by "The National Research Foundation", Department of Science and Technology, India.

It is being sponsored by the government under "Accelerate Science". In this workshop, various Institutes which include IVRI, NDRI, CSIR, IANS, Central and M.Sc. and PhD scholars from government universities etc. are participating. Apart from the internal faculty of CSIR-IHBT, academicians and national institutions participated in the workshop. Lectures were given by renowned speakers. On this occasion, M/s Shuddhakrishna Him Products Pvt. Ltd., Panchkula, and M/s Nota Sin Food Technology transfer signed with Products Pvt. Ltd., Delhi. Agreements were also signed with two startups in the field of tissue culture and hydroponics.

Published in:

Himachalheadlines

Hyderabad: MAUD department in talks with IICT for rejuvenation of lakes

CSIR-IICT

15th April , 2024

The Municipal Administration department is in talks with Indian Institute of Chemical Technology (IICT) for lake rejuvenation measures, besides exploring different technologies for biomass and vermicompost generation from municipal and other wastes.

A team of IICT members held a meeting with Commissioner and Director Municipal Administration (CDMA) D Divya here on Monday. During the meeting, the IICT team briefed the CDMA on different technologies that can be used for lake rejuvenation and other aspects.

Lakes were important water sources and they need to be protected and rejuvenated. Towards this, the prime agenda was to ensure flow of treated water into the lakes by setting up STPs and adopting different technologies, Divya said.

The department has shortlisted 140 lakes that would be included the lake rejuvenation programme. The IICT team made a presentation and it was still in preliminary stage and shortly another conference would be held to discuss different aspects, she said.

IICT would be involved as the knowledge partners for the programme and based on their recommendations, detailed project reports would be prepared to float tenders and execute the works. Similarly, for biomass and vermicompost generation through waste, IICT suggested a few technologies. A few pilot projects would be taken up to ascertain the viability and cost effective parameters and based on the projects outcome, further decisions would be taken, the CDMA added.

Published in:
Telanganatoday

CSIR-NGRI, CCMB

15th April 2024

सीएसआईआर लैब्स ने मनाई डॉ. बी.आर. अम्बेडकर की जयंती

हैदराबाद, 14 अप्रैल (मिलाप ब्यूरो) वैज्ञानिक और औद्योगिक अनुसंधान परिषद (सीएसआईआर) प्रयोगशाला-सीएसआईआर-एनजीआरआई, सीएसआईआर-आईआईसीटी, और सीएसआईआर-सीसीएमबी द्वारा संयुक्त रूप से डॉ. भीमराव अंबेडकर की 133वीं जयंती मनाई गयी।

आज यहाँ उप्पल स्थित संस्थान के प्रांगण में भारत रत्न डॉ. बी.आर. अम्बेडकर की जयंती पर विशेष कार्यक्रम आयोजित किया गया। अवसर पर मुख्य अतिथि के रूप में उपस्थित डॉ. बी.आर. अम्बेडकर मुक्त विश्वविद्यालय, हैदराबाद के कुलपति प्रो. सीताराम राव कुसुम्ब ने 'डॉ. बी.आर. अम्बेडकर : भारतीय संवैधानिक मूल्य जीवन' पर विषय पर विस्तार से प्रकाश डाला। उन्होंने कहा कि डॉ. अम्बेडकर ने सिद्धांत और मूल्य को ध्यान में रखते हुए भारतीय संविधान को आकार दिया। प्रो. कुसुम्बा ने कहा कि डॉ. अम्बेडकर ने समानता और स्वतंत्रता का एक

भारत रत्न डॉ. बी.आर. अम्बेडकर की जयंती पर आयोजित समारोह में प्रो. सीताराम राव कुसुम्ब का सम्मान करते सीएसआईआर-एनजीआरआई के निदेशक डॉ. प्रकाश कुमार, सीसीएमबी के मुख्य वैज्ञानिक डॉ. ए.एस. श्रीधर, आईआईसीटी के मुख्य वैज्ञानिक डॉ. ए. गंगाग्नि राव।

शक्तिशाली वैश्विक प्रतीक बनने की दिशा में महत्वपूर्ण एवं उल्लेखनीय कार्य किया। आध्यात्मिक लोकतंत्र की अवधारणा डॉ. अम्बेडकर द्वारा समर्थित एक विचारधारा थी, जो नैतिक और नैतिक सिद्धांतों पर जोर देती थी। एक न्यायपूर्ण समाज और लोकतंत्र को रेखांकित करते हुए औपचारिक कानूनी ढाँचे का पूरक लिखित संविधान तैयार कर एक प्रामाणिक कार्य किया। सामाजिक न्याय, समानता और कानून के शासन के प्रति उनकी अटूट प्रतिबद्धता रही। उनकी यही भावना भारत और दुनिया भर में पीढ़ियों को प्रेरित करती रहेगी।

इससे पूर्व सीएसआईआर-एनजीआरआई के निदेशक डॉ. प्रकाश कुमार ने डॉ. अंबेडकर के कार्यों की सराहना करते हुए भारतीय संविधान में अमूल्य योगदान और डॉ. अंबेडकर की अथक मेहनत पर प्रकाश डाला। उन्होंने कहा कि सभी नागरिकों के मौलिक अधिकारों की रक्षा और एक लोकतांत्रिक भारत के लिए मजबूत नींव स्थापित करने का डॉ. अम्बेडकर ने प्रयास किया।

सीएसआईआर-सीसीएमबी के मुख्य वैज्ञानिक डॉ. ए.एस. श्रीधर, सीएसआईआर-आईआईसीटी के मुख्य वैज्ञानिक डॉ. ए. गंगाग्नि राव, तीनों प्रयोगशालाओं के एससी/एसटी कल्याण संघों के प्रतिनिधियों ने डॉ. अम्बेडकर की विरासत पर अपने दृष्टिकोण साझा किए। कार्यक्रम में 300 से अधिक स्टाफ सदस्य और उनके परिवारों ने भाग लिया।

Published in:
Hindi Milap

CSIR-IMMT, Bhubaneswar Commemorates The 133rdDr. B.R. Ambedkar Jayanti With Enthusiasm

CSIR-IMMT

14th April , 2024

CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar, marked the 133rd Dr. B.R. Ambedkar Jayanti with fervor and participation. Held at SS Bhatnagar Hall of CSIR-IMMT, the event, attended by 300 individuals, including 100 students from various schools in Bhubaneswar, showcased a celebration of Dr. B.R. Ambedkar's legacy and his contributions to society.

Dr. N K Dhal, Vice-Chairman of the Dr. B.R. Ambedkar Jayanti Celebration Committee, extended a warm welcome to all attendees. The inaugural address was delivered by Dr. Ramanuj Narayan, Director of CSIR-IMMT, Bhubaneswar, with Shri Upendra Nath Behera IAS (Retd.), Former Chairperson of OERC, gracing the occasion as the Chief Guest. Mr. Behera addressed the gathering, shedding light on the life and achievements of Dr. B.R. Ambedkar and inspired the school children present.

The highlight of the event was the keynote address by Dr. Dillip Kumar Behera, an Eminent Social Activist and Member of International Human Rights, UNO. Dr. Behera shared insights into the life history of Dr. B.R. Ambedkar and emphasized the importance of uplifting the weaker sections of society. Additionally, Dr. Behera distributed prizes to the top performers of the RRL Project U.P. School and winners of various competitions.

Concluding the event, Dr. Santosh Kumar Behera, Senior Principal Scientist and convener of the Dr. B.R. Ambedkar Jayanti Celebration Committee, expressed gratitude to all participants and contributors.

The celebration served as a poignant reminder of Dr. B.R. Ambedkar's enduring legacy and the ongoing efforts to promote equality and social justice in society.

The celebration culminated with a vibrant cultural program in the evening, adding a touch of joy and artistic expression to the commemoration of Dr. B.R. Ambedkar's legacy. Participants were treated to performances that celebrated diversity, unity, and the spirit of inclusivity, echoing the values championed by Dr. Ambedkar throughout his life. The cultural program provided a fitting tribute to the occasion, reinforcing the message of empowerment and solidarity within the community.

Published in:
Orissadiary

NBRI scholars' contest in summer plant fest

CSIR-NBRI 14th April , 2024

Competing with each other in different plant-related competitions to be organised at the CSIR-National Botanical Research Institute, 300 research scholars will be presenting their research work during the two two-day 'Summer Plant Science Fest' on Monday and Tuesday

"The fest will be inaugurated at 10:30am at Lotus auditorium in KN Kaul block, on Monday and this is an opportunity for our research scholars to showcase their findings and discuss their experiments and results with experts," said NBRI spokesperson Rajat Rastogi.

He added that deputy director general (agricultural education), Rakesh Chandra Agrawal, ICAR, New Delhi would be the chief guest of the inaugural function, whereas Prof Manoj Dhar, director, AcSIR, Ghaziabad, will preside over the function as guest of honour. TNN

Published in:
Times of India

CSIR-IIIM kickstarts ‘Lavender Hub Project’ at NH 44

CSIR-IIIM

14th April , 2024

The CSIR-IIIM collaborated with National Highway Authority of India (NHAI) to kickstart the “Lavender Hub Project” near the south end of the Banihal-Qazigund Road Tunnel (Navyug Tunnel) at Banihal today. The first-ever project aimed at beautifying the National Highway 44 and fostering sustainable development along this corridor was initiated earlier this year.

Dr Zabeer Ahmed, Director, CSIR-IIIM, and Ashok Kumar Jain, Advisor (Plantation and Clearances) from the Green Highways Division of NHAI, jointly inaugurated the project activities by planting lavender plants near Navyug Tunnel.

Dr Zabeer highlighted that CSIR-IIIM’s efforts have uplifted the local economy by introducing lavender plantation, putting the region on the global map.

He emphasized that this joint venture will not only develop the Banihal-Ramban stretch as a Lavender Hub but also establish a sustainable model for income generation.

Ashok Kumar Jain stated that NHAI has been at the forefront of sustainable highway development and plantation aligned with local vegetation.

He envisioned this project as a potential model for developing other highway stretches and involving local communities.

The Memorandum of Understanding (MOU) for this project was signed on March 18th, 2024, in the presence of the Union Minister of Science & Technology and Vice-President of CSIR.

This joint project, costing Rs 283.80 Lacs with a 50:50 partnership between CSIR-IIIM and NHAI, aims to landscape about 200 kanals over the next five years.

The project aims to transform the Banihal-Ramban Highway stretch into a lavender hub, serving as both a beautification effort and a sustainable model for post-plantation operations, including agri-entrepreneurship among local populations.

In attendance were several other officers from CSIR-IIIM and NHAI, including Ravi Kesar (Retired IFS), Advisor Plantations, RO Jammu, Dr Dhiraj Vyas, Senior Principal Scientist and Head of Plant Sciences and Agrotechnology Division, and Rajinder Sharma, Technical Assistant.

Published in:
Dailyexcelsior

BPCL Signs Agreement with CSIR

CSIR-CRRI

13th April , 2024

BPCL recently celebrated a significant milestone with the signing of a Memorandum of Agreement (MoA) with CSIR (Central Road Research Institute). This collaboration marks a crucial step forward in our Waste Plastic Road (WPR) initiative, showcasing our commitment to environmental sustainability and innovation.

Border Road organization (BRO) and BPCL's joint demonstration in Arunachal Pradesh, along with ITC Ltd.'s trial in Gujarat, confirms the durability of waste plastic roads under extreme climatic conditions.

Multiple awards and international stakeholder interest, demonstrated by signed NDAs, reinforce the global significance and potential of BPCL's WPR initiative.

On 27th March 2024, an MoA was signed by Shri N Chandrasekhar, Head (R&D) and Dr. Manoranjan Parida, Director, CSIR-CRRI. Dr. Ravi Kumar V, CGM I/c (R&D) and Dr. Mahesh Kasture, Chief Manager (R&D) were also present during the signing of the Agreement.

Published in:

Psuconnect

IMTECH-led team on path of developing Parkinson's cure

CSIR-IMTECH

11th April , 2024

Indian researchers, led by scientists from Institute of Microbial Technology (IMTECH) in Chandigarh, have in a collaboration with Denmark discovered a molecule which could lead to developing a cure for Parkinson's, a neurodegenerative disease.

The study, till now only carried out on mice, has shown promising results for one molecule. The researchers have filed an international patent for four molecules that have potential to provide cure for the disease. The researchers are planning to carry out studies for tolerability of the molecule in animals .

If the team, which includes researchers from IIT Bombay, IIT Delhi, Central Drug Research Institute, Lucknow and a group in Denmark, manages to provide a cure for Parkinson's, a similar strategy could be explored for Alzheimer's .

There are a few molecules in clinical trials worldwide, but these mostly focus on prevention and relieving the symptoms of Parkinson's unlike the current trial that aims to work on a cure.

After rigorous tests and screening, the researchers found a molecule, named 'IMTECH Parkinson Disease first molecule (IPD1)' that halted the progression of the disease in these mice.

"After screening millions of molecules that included peptides, small molecules and natural extracts from traditional plants like Brahmi, Ashwagandha, etc, we found molecules with potential to inhibit toxic protein aggregates known to be associated with death of the brain cells causing Parkinson's," said Prof Sharma. "The accumulation of these protein aggregates, also known as lewy bodies, causes dopaminergic cell death. The dopaminergic cells are

involved in production of dopamine, a neurotransmitter required for functions such as memory, movement, etc. Thus, Parkinson's manifests in the patient as tremors, posture and balance problems, etc.“

The researchers attribute the cause of protein aggregation to both environmental and genetic factors. Presently, Parkinson's is treated by giving dopamine replacement agents, which have their own side effects. Also, with such agents, remaining healthy neurons are not protected and start degenerating later.

In their experiment, the researchers treated the mice with their molecule for 22 weeks and monitored mice after every two weeks. They put them on a rotating rod, the wild type mice with no mutation, could hold on to the rotating rod as they had muscle power, but the diseased mice gradually started losing the grip and fell off.

"Within three months, these diseased mice lost nearly complete grip. However, when our molecule was injected, they were as healthy as they were at the start of the treatment," said Prof Sharma.

Published in:
Times of India

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