CSIR IN MEDIA

CSIR

NEWS BULLETIN

11 TO 15 MARCH 2022

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

Ludhiana | CSIR-CMERI's solar tree breaks Guinness World Record

CSIR-CMERI

15th March, 2022

Revolutionising the intertwined fields of agriculture and sustainable energy, the Council For Scientific and Industrial Research's Central Mechanical Engineering Research Institute (CSIR-CMERI) have broken the Guinness World Record for the world's largest solar panel. The solar tree, which has been installed at the CSIR-CMERI Centre of Excellence for Farm Machinery in Ludhiana, has a solar photovoltaics panel surface area of 309.83 square metres. The surface area of the last solar tree developed by CSIR-CMERI was 67 square metres.

Planting seeds for a sustainable future

With 75% power generation in India dependent on diesel, switching to renewable energy, primarily solar, is the need of the hour.

On how it all started, CSIR-CMERI, Durgapur director professor Harish Hirani says, "We started with six solar trees ranging from 3KW to 11.5KW, which together generated around 50KW power. We then worked on the material and fabrication cost and started developing a single 50KW solar tree." Illustrating the viability of the solar tree in the agriculture sector, Hirani said, "Farmers don't need a roof to install the solar tree. It can be setup in the fields itself, and will not even obstruct wind."

"The solar tree will power integrated farming activities such as charging e-tractors, e-tillers and electric vehicle charging stations, running agriculture pumps and solar-based cooking systems and powering cold storages," he said

Hirani said that the future of Indian farming will be drone based. “Drones will spray pesticides and water on the crops. The battery of the drones can be charged by the solar tree,” he said.

Cost-benefit analysis

A 53.6 kilowatts peak (Kwp) solar tree costs around 2.5 lakh crore. Asked if the farmers will be able to afford the cost of such solar trees, Hirani said that the ministry of micro, small and medium enterprises (MSME) will have to pitch in and a public-private partnership (PPP) model will be needed.

“Solar trees will be greatly beneficial to farmers in the long run. Moreover, cost will be controlled as we delve deeper into the concept. It will also cut down carbon dioxide emissions,” he said, adding that despite 14% shortage of food in the country, 30% food in India is wasted. “The schemes under solar integrated projects are such that people in the country will not be hungry and there will be no wastage of food.

What is a solar tree? (BOX)

A solar tree resembles a tree in shape, but has photovoltaic (PV) panels in place of its crown. The “leaves” of the tree capture solar energy and convert it to electricity, with branches funneling that electricity down through a trunk and into a central battery within.

Published in:
Hindustan Times

Two day workshop on Yongchak kicks off

CSIR-NEIST

15th March, 2022

Imphal, March 15 2022: A 2-day State level workshop cum exhibition of treebean (Yongchak) began at ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, today. The programme is being organized by Association for Protection and Promotion of Treebean (APPOT), an association jointly formed by ICAR Research Complex for NEH Region, Manipur Centre, Manipur University (MU), Central Agricultural University (CAU), Manipur Organic Mission Agency (MOMA), Department of Environment & Climate Change, Council of Scientific and Industrial Research-North East Institute of Science & Technology (CSIR-NEIST), Institute of Bioresources and Sustainable Development (IBSD) and Apunba Imagi Machasing (AIMS), Manipur.

Prof N Mohilal Meitei, Head Zoology Department Manipur, during the keynote address mentioned that the production of tree beans is declining in Manipur and as such the State spends about Rs 370 crore in purchasing the same from Myanmar every year.

AIMS president Mayanglambam Khelendro stated that Manipur is the largest consumer of tree beans in the country. He further stated deforestation, reduction in bats population, climate change and human intervention are some of the factors which hamper tree bean cultivation.

Dr H Birkumar Singh, Senior Principal Scientist, CSIR-NEIST, Imphal stated that tree bean is associated with the religion and tradition of Manipur, apart from being an important component of local cuisine.

"This is an important crop which has the potential to solve the problem of unemployment in the State," he added. Director of Instruction, CAU, Imphal Dr S Basanta Singh stated that the tree bean is rich in micronutrients, antioxidants, phenolic compounds and possess anti cancerous properties and play an important role in conservation of soil nutrients and environment.

He stressed the need for inclusion of tree beans in the work plan of the State Government. Professor Pulok Kumar Mukherjee, Director of IBSD, spoke about the phyto-pharmaceutical properties of tree beans and various products that can be produced from it.

Joint Director of the Department of Environment and Climate Change Dr Brajakumar highlighted the need to conserve tree beans in the State. Director of ICAR RC NEHR, Umiam, Meghalaya DR VK Mishra stressed on the medicinal values and the need to promote plantation and conservation of tree beans.

He assured that the research institute will extend all possible help in preserving tree beans in the State such as providing seedling and funding the farmers. Professor Amar Yumnam, former Vice-Chancellor of Manipur University highlighted the need to create strong linkages between the scientific and farming communities for better conservation of tree beans in the State.

As a part of the programme, a tree bean (Yongchak) competition was also held. Altogether 40 growers participated in the exhibition and showcased the diverse tree beans available in the State. A technical session was also conducted during the workshop. Later, saplings of a tree bean were planted inside the ICAR complex. Scientists, academicians, researchers and officials from various organizations including CAU, Department of Horticulture & Soil Conservation, NABARD, Department of Agriculture, KVKs, NGOs and farmers participated in the event.

Published in:
E-pao

CFTRI Director Inaugurates Chemical Society

CSIR-CFTRI

14th March, 2022

Mysore/Mysuru: The Chemical Society of Post-Graduate Department of Chemistry, Sarada Vilas College, Mysuru, was inaugurated by chief guest Dr. Sridevi A. Singh, Director, CSIR- CFTRI, Mysuru, on Mar.2 at a function was held at the audio visual room of the College. Speaking on the importance of usage of chemicals in daily life, she highlighted the quality-based research in M.Sc., Chemistry. She also emphasised on Food and Nutrition and the contribution of CFTRI to the society during recent years.

Dr. B.M. Subraya, President of SVEI Mysuru, N. Chandrashekar, Hon.Secretary, SVEI, Prof. T.K. Umesh, former Vice-Chancellor, University of Mysore, Dr. M. Devika, Principal, Sarada Vilas College and Dr. R. Gururaja of PG Department of Chemistry, were present. Prof. T.K Umesh gave suggestions to include IQAC quality improvement activities in Chemical Society. Final year MSc., student J. Sahana Priya compered. Sangeetha welcomed. B.M. Vinod Nadig, final MSc student, proposed a vote of thanks.

Published in:

Star Of Mysore

Ultraviolet radiation equipment installed in RS to contain Covid-19 spread

CSIR-CSIO

14th March, 2022

Rajya Sabha chairman M Venkaiah Naidu on Monday said ultraviolet C-band radiation equipment has been installed in chambers of the House to contain the spread of coronavirus.

"I am happy to inform you all that the secretariat has recently installed another safety measure in the chambers of this august House to contain the spread of coronavirus. Equipment has been installed to contain the spread of virus through ultraviolet C-band radiation which is very effective in killing the virus," he said. The technology has been developed by CSIR-CSIO.

Speaking on the first day of the second part of the Budget Session, Naidu noted that with the waning of the third wave, both the Houses of parliament have returned to sitting from 11 am as against working in two shifts during the first part of the session.

"We still need to be careful and hence, some of the honourable members are being seated in the galleries of this House. I urge upon all of you to follow Covid appropriate behaviour, both within and outside the House," he underlined.

Referring to the evacuation of Indian students from war-hit Ukraine, he said it was a very challenging task. "The Government of India rose to the occasion in evacuating Indian students as well as some students of other nationalities. These efforts are praiseworthy," the chairman said.

The House had taken a 30-day recess for the Department Related Parliamentary Standing Committees (DRSCs) to examine the Demands for Grants of various ministries for the year 2022-23. The eight DRSCs of Rajya Sabha have held a total of 21 meetings for a duration of 73 hours and 33 minutes, and examined the Demands for Grants of 18 ministries encompassing 32 departments.

"I am happy to share with you all that the average duration of these 21 meetings was 3 hours and 30 minutes per meeting which is the best in this regard so far. This marked an increase of one hour and 17 minutes per meeting, a rise of 56 per cent over that of last year," Naidu said.

The RS chairman also noted that there was a decline in the average attendance of meetings this year from that of last year. "I understand that the recent assembly elections was a major factor that pulled down the attendance," he said.

Regarding attendance in the meetings of DRSCs, Naidu said a couple of chairmen met him Monday morning and expressed concern over inadequate attendance in committees that deal with specialised and technical issues.

"This calls for the need to nominate members on committees based on their background and interest in subject domain... Attending meetings should be given priority by the members. Elections are important, but attending committee meetings need to be given due priority," Naidu said.

He further said the first part of the Budget Session that had 10 sittings marked a refreshing break from the turbulence of some previous sessions. There were no forced adjournments of the House during the first part. As a result, the productivity of the House was 101.40 per cent, he said.

Naidu appealed to the members to sustain the "positive spirit" during the 19 sittings of the second part of the session so that the House clocks productivity higher than 94 per cent of the Budget Session of last year.

Published in:
Deccan Herald

Government eyeing to make Bhaderwah country's Bulgaria

CSIR-IIIM

13th March, 2022

Bhaderwah: After the successful purple revolution in Bhaderwah, the government is planning to make the region of the hilly Doda district into country's Bulgaria.

Bulgaria is the world's largest exporter of lavender oil and the Bulgarian rose oil is famous for its noble aroma used for making perfumes and in medicine.

The Ministry of Science and Technology is planning to motivate Doda's small and marginal farmers, who switched from traditional farming to growing aromatic plants and is encouraging the progressive growers to adopt scientific farming. In this connection, CSIR-IIIM Jammu organised a day-long training-cum-awareness camp on 'Cultivation, Processing, Value Addition and Marketing of Aromatic Crops' at Bhaderwah on Sunday.

Under the Centre's Aroma Mission 2, around 100 farmers drawn from various villages of Doda, Kishtwar, and Ramban districts of Chenab Valley were imparted basic technical knowhow to grow aromatic plants scientifically.

A series of motivational lectures by subject matter specialists and successful farmers was also held at the Lal Ded auditorium of Bhaderwah campus of the University of Jammu.

Commanding Officer 4 Rashtriya Rifles Col Rajat Parmar, who was the chief guest on the occasion, appreciated the efforts of CSIR-IIIM and motivated unemployed youth of the region to take full advantage of the opportunities being provided under CSIR-Aroma Mission.

DFO Bhaderwah Chander Shekhar was the guest of honour. Nodal Scientist Aroma Mission Sumeet Gairola said that after the successful purple revolution in Bhaderwah, CSIR-IIIM was aiming to make Bhaderwah the country's Bulgaria.

Director IIIM Jammu, D Srinivasa Reddy assured the participants that the CSIR-IIIM would provide farmers with all necessary support required for the development of the aroma industry in the region.

Senior Scientist CSIR-IIIM, Vikash Babu talked about value addition and entrepreneurship opportunities in the region through aroma mission.

Published in:
Greater Kashmir

Felicitation Marks Women's Day At CFTRI

CSIR-CFTRI

13th March, 2022

Mysore/Mysuru: International Women's Day was celebrated at CSIR-Central Food Technological Research Institute (CFTRI), Mysuru on Mar. 10. Dr. D. Swaroopa Rani, Senior Scientist & President, CFTRI Women's Association, welcomed and highlighted the importance of women's day and the need to eliminate discrimination based on gender bias.

Dr. Villoo Morawala-Patell, Founder and Chairperson, Avesthagen Limited, Bengaluru, who was the chief guest, spoke on women's role in Science, Technology, Engineering and Mathematics (STEM) citing the example of her journey.

She also stressed on the work life balance, perseverance and struggle of women to achieve the success. A special invitee of the event was Marthamma Mary, a woman auto driver of Mysuru city. She described her struggle during her journey and stated that being intelligent, confident and strong made her successful and achieve the goals in her life.

Dr. Sridevi Annapurna Singh, the first woman Director of CSIR-CFTRI, presided. CSIR-CFTRI Women's Association also felicitated K. Kusuma, CFTRI staff, for her achievement at State-level Para Swimming Competition wherein she won one Gold and two silver medals.

Dr. Pooja Rao proposed a vote of thanks.

Published in:
Starof Mysore

Science lecture series on 'Sphere of Materials around us' at CSIR-NML Jamshedpur

CSIR-NML

12th March, 2022

Jamshedpur, March 12: A lecture session on 'Sphere of Materials around us' was organized at CSIR-National Metallurgical Laboratory (NML) in Jamshedpur on a virtual platform. The program was organized for school students and teachers under CSIR-Jigyasa Virtual Laboratory project. The main objective was to establish connectivity between school teachers and senior students thereby making science learning interesting. Dr Sanchita Chakravarty, Chief Scientist and Head of AAC & MNP Divisions at CSIR-NML, delivered the welcome address. She mentioned that the aim of organizing this lecture series was to encourage participation and exchange information. The guest speaker of the evening program was Principal Scientist of CSIR-NML, Dr V C Srivastava, who, after a brief introduction, made a presentation on 'Sphere of Materials around Us.' He explained the connection of three elements, curiosity, scientific temperament and scientific method behind a scientific innovation. He discussed with examples how a material when processed gave rise to a product with a proper shape and properties. Dr Srivastava gave many examples of materials processing like casting, forging, rolling, wire drawing and extrusion. He briefly discussed structural and functional materials, polymers, composites, ceramics and glasses. He concluded his lecture with an inspiring statement for students to think deeply and develop a strong foundation for scientific innovation. There was a question and answer session following the presentation of Dr Srivastava. The virtual program was attended by more than 25 people.

Published in:

Avenue Mail

National seminar on science communication held by CSIR-NIScPR

CSIR-NIScPR, NPL, AMPRI, HRDG, CGCRI, IPU, TKDL 12th March, 2022

Communicating to political leaders, bureaucrats, scientists, students and public at one go as our targeted audience is a huge challenge. These days extraordinary information is available, but a focused communication with the ability to distill the garbage is a crucial challenge. Disinformation and misinformation are easy to communicate, as it does not have any credibility, but transmitting correct and scientific information is a bigger issue. For example, salt, fat and sugar are very easy to get addicted to, but the absence of these three in a healthy diet are very difficult to take. Prof K. VijayRaghavan, Principal Scientific Adviser to Govt. of India was addressing the national seminar on science communication, organized by the CSIR-National Institute of Science Communication and Policy Research (NIScPR) on 10 March 2022.

The Seminar was organized in hybrid mode at the CSIR-NPL auditorium, New Delhi and its central theme was "Nurturing Science Communication – Motivating Science Communicators". In this seminar around 15 institutions engaged in science communication came together on a single platform to share their views and ideas for strengthening the science communication efforts.

In his presidential remarks, Dr Shekhar C. Mande, Director-General, CSIR asserted that we all need to be better communicators. Good communication skills and knowledge of history can be improvised upon, for us to be better communicators. As a scientist, we need to understand the science and technology involved as to how it was done 100 years ago and how things have changed. So will it be that after 100 years from now, people will be amazed, as to

how we handled the issues. As scientists, we take prestige in peer reviewed journals, social scientists take pride in how it has changed the human life. But to involve the general public all the time about all the activities with the applications is the role of science communicators. We are short of people who can connect with general mass and scientists' happening behind the walls.

Dr Shekhar C. Mande, DG, CSIR stressed to encourage science communicators who can connect with the general mass as well as the scientists During NIScPR's Seminar many of the science publications released including the March 2022 issues of two monthly popular science magazines 'Science Reporter' & 'Vigyan Pragati' which are focused on women scientists

Prof. Ranjana Aggarwal, Director, CSIR-NIScPR elaborated the institute's commitment to provide correct information in the right manner with the engagement of the society. The challenge is to produce new science communicators and writers. She emphasized the need for much more science based stories than research papers alone from the scientific community that can impact the society.

Dr. Sharmila Mande, Distinguished Chief Scientist with TCS Research

Prof. Ranjana Aggarwal, Director, CSIR-NIScPR
Distinguished Guest of the Seminar, Dr Sharmila Mande, Chief Scientist with TCS Research, Tata Consultancy said, "Science lab work changes peoples' livies, but school children need to know what's happening in the world of science. Future of healthcare is going to depend on preventive and scientific advances. Predicting diseases based on the drop of blood or a stool is in the offing. Scientific endeavors need to be made known in a simplistic manner in the form of book, animation, etc.“

Guest of Honour Prof Venugopal Achanta, Director, CSIR-National Physical Laboratory (CSIR-NPL) said that science communicators should not focus only on reporting research published in foreign journals. There is considerable research being carried out on local

problems. These need to be communicated as well, Prof Achanta added. Prof Venugopal Achanta, Director, CSIR-National Physical Laboratory

Prof Avanish Kumar Srivastava, Director, CSIR-AMPRI stressed on how science can uplift the life of tribal people. Science communication is made up of science outreach and science inreach. Outreach is like a museum and inreach is a dialogue among scientists. Impact factor of Indian journals need to be recognized globally.He highlighted the disconnect between the hardcore scientists and journalists. He said that The National Seminar like this one is another step to bring closer the scientists and science communicators.

On the occasion, science publications of CSIR-NIScPR were released, that include Theme book of the National Seminar, Report on "Women in STEM : A CSIR survey towards Gender Parity", Science Reporter & Vigyan Pragati (March 2022 issues), the book titled "Mere Chuninda Vigyan Lekh" authored by Dr Manish Mohan Gore, Scientist, CSIR-NIScPR and "Vaigyanik Jagdish Chandra Bose Ke Mahaan Vichaar" by Sawan kumar bag, Post Doctoral Fellow, Bar-Ilan University, Israel and Meher Wan, Scientist, CSIR-NIScPR.

The first session was on the topic Promoting Science Outreach & Communication. Dr Rajeev Kumar Mehajan, Scientist-G, SERB chaired the session and the panelists included; Dr Jyotsna Dhawan, CEO, DBT/Wellcome Trust India Alliance; Dr C.M Nautiyal, Program Consultant, (Science Communication), Indian National Science Academy (INSA); Dr Anurag Kumar, Director, Science City, Kolkata, National Council of Science Museums (NCSM); Dr Santosh Shukla, In charge Officer (Science Popularization) National Academy of Sciences India (NASI); Shri Nimish Kapoor, Scientist, Vigyan Prasar, DST and Dr Rohini Garg, Member, Indian National Young Academy of Sciences (INYAS).

Speakers of Session-1 (From L-R: Dr Rohini Garg, Shri Nimish Kapoor, Dr Satosh Shukla, Dr Rajeev Mehajan & Dr C M Nautiyal) The second session was focused on Showcasing Science Communication initiatives. Dr C.M. Nautiyal chaired the session. The panelists included; Dr Rashmi Sharma, Scientist, DST - Augmenting Writing Skills for Articulating Research

(AWSAR); Dr Arvind C. Ranade, Scientist, Vigyan Prasar - VIPNET; Shri Kapil Tripathi, Scientist, Vigyan Prasar - India Science Channel - Shri Tarun Jain, Editor, Vaigyanik Drishtikon; Zubair Siddiqui - Srote Science & Technology Features (Eklavya); and Ms Sonali Nagar, Scientist, CSIR-NIScPR.

Speakers of Session-2 (From L-R): Ms Sonali Nagar, Shri Zubair Siddiqui, Shri tarun Kumar Jain, Dr C.M. Nautiyal, Shri kapil Tripathi, Dr Arvind C. Ranade and Dr Rashmi Sharma

The Valedictory Session was chaired by Dr Nakul Parashar, Director, Vigyan Prasar. Shri Hasan Jawaid Khan, Chief Scientist, CSIR-NIScPR presented the summary of the Seminar. Guest of Honour, Dr Geetha Vani Rayasam, Head, CSIR-HRDG said that pandemic has shown that science communication is essential, be it the hesitancy, vaccination, covid tests and all. Guest of Honour, Dr Rashmi Sharma, Scientist of DST said that science communication plays very vital role in the society and during the pandemic time, we saw that how science communicators tackled to provide the authentic scientific information. Vote of thanks was proposed by Dr Manish Mohan Gore, Scientist, CSIR-NIScPR.

Women Leaders in CSIR discussed their Experiences on work-life balance On 10 March 2022, CSIR-NIScPR organized the CSIR Women Scientists Meet at CSIR-NPL, New Delhi. During this event, a report titled "Women in STEM: A CSIR Survey towards Gender Parity" by Prof Ranjana Aggarwal, Dr Sandhya Wakdikar and Dr Praveen Sharma from CSIR-NIScPR was released by Dr Sharmila Mande, Distinguished Chief Scientist, TCS Research.

After the release, a half day workshop on "Women leaders in CSIR: Experiences on work-life balance" was held where women holding headships in various CSIR Scientific divisions shared their experiences on balancing work with life. In the workshop, around 50 women staff and students of NIScPR and NPL assembled.

The Program began with the welcome of delegates by Dr Sandhya Wakdikar, Senior Principal Scientist at CSIR-NIScPR. Prof Ranjana Aggarwal, Director CSIR-NIScPR gave

introductory remarks to the report and the program. Dr Sharmila Mande was the Chief Guest of the program who shared her experiences on balancing work with life.

The Women leaders of CSIR who shared their experiences with the audience were Dr Suman Kumari Mishra Director CSIR-CGCRI; Dr Geeta Vani Rayasam Head, CSIR-HRDG; Dr Vibha Malhotra, Head, IPU & TMD; Dr Purnima Rupal, Head DGED & SCDD, CSIR; Dr V.J. Sattigeri, Head, TKDL; Dr Rama Swami Bansal, Head, ISTAD. This was followed by an interactive discussion on the topic.

Published in:
Devdiscourse

First indigenous COVID drug to be made available soon

CSIR-CCMB, IICT

12th March, 2022

The first indigenous drug to treat COVID-19 is likely to be made available to the public soon with the completion of clinical trials, which showed "excellent results", informed Tata Institute for Genetics and Society (TIGS) director Rakesh Mishra on Friday. The product 'Vincov-19' is a collaborative effort of CSIR-Centre for Cellular & Molecular Biology (CCMB), University of Hyderabad (UoH) and city-based VINS Bioproducts. In this, the SARS-CoV-2 virus is inactivated and injected into horses. The anti-bodies generated through the blood serum is synthesised and purified to be turned into a drug, which would then be injected into humans for neutralising the COVID virus.

"It is a kind of sophisticated and scientific plasma therapy similar to a snake-bite antidote," said the top scientist, also the former-director of CCMB, while delivering a lecture on 'Lessons learnt from the pandemic and the way forward' organised by CSIR-IICT.

In a very short span, CCMB and other scientific institutes rose to the challenge and developed diagnostic kits, testing facilities, devices, genomics, worked on more than 170 potential drugs and regents, making one wonder why "we don't do these more often".

The pandemic has shown that the country has to become self-reliant in terms of healthcare and not depend on imports alone. The road map prepared for development of regents and testing kits once the pandemic broke out has been successful. The price of testing from a few thousand rupees has come down and could be soon be available for even ₹15, he explained and

called for similar efforts in every aspect of healthcare. The director said, apart from wastewater surveillance to look for presence and progression of any infectious disease, zoonotic surveillance needs to be carried out as animals are capable of re-infecting human beings and "most infectious diseases are through them".

"If we are going to trade in wildlife, consume them or destroy nature, bringing it closer, another pandemic — a more dangerous outbreak causing more mortalities — is imminent," he warned. "We need to be ready for the next pandemic which many not take 100 years, by investing in healthcare worldwide by more than US$125 billion dollar. It is not expensive considering the devastation caused now, and we must learn to live in harmony with nature," he said.

Vaccine development in record time, development of RNA vaccine technology, genomics and precision medicare are optimistic signs. And, how long does he think COVID-19 will last? "We are in an uncharted territory from the perspective of understanding the pandemic, how it starts, unfolds and how it ends. It also depends on us as the virus cannot transmit on its own," he added.

Published in:
The Hindu

CSIR-CCMB, IICT

12th March, 2022

First indigenous COVID drug likely to be unveiled soon

Clinical trials, showing "excellent results", completed; drug is a collaborative effort of CCMB, UoH and city-based biotech firm

V. GEETANATH
HYDERABAD

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Being self-reliant

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Former CCMB director Rakesh Mishra delivering a lecture on 'Lessons learnt from the pandemic and the way forward' organised by CSIR-IICT in Hyderabad on Friday. ▪ ARRANGEMENT

> **If we are going to trade in wildlife, consume them or destroy nature, another pandemic is imminent.**
>
> RAKESH MISHRA,
> Director, Tata Institute for Genetics and Society

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Published in:
The Hindu

CSIR-CCMB, IICT

12th March, 2022

कोविड महामारी से बचने के लिए गहन उपायों की जरूरत : डॉ. राकेश मिश्रा

सीएसआईआर-आईआईसीटी में हिन्दी व्याख्यान आयोजित

हैदराबाद, 11 मार्च (स्वतंत्र वार्ता)। सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान, हैदराबाद में हिंदी व्याख्यान का आयोजन किया गया। इस समारोह की अध्यक्षता डॉ. वीरेन्द्र एम. तिवारी, निदेशक, सीएसआईआर-आईआईसीटी ने की। इस कार्यक्रम में मुख्य अतिथि के रूप में डॉ. राकेश कुमार मिश्रा, निदेशक, टीआईजीएस, बेंगलुरू एवं पूर्व निदेशक, सीएसआईआर-सीसीएमबी को आमंत्रित किया गया। संस्थान की प्रशासन नियंत्रक श्रीमती शैलजा मद्दाली ने मुख्य अतिथि का परिचय दिया। कार्यक्रम का संचालन प्रफुल्ल पासवान, सहायक अनुभाग अधिकारी (सा.) द्वारा किया गया। इस कार्यक्रम में निदेशक, आईआईसीटी ने अपने अध्यक्षीय भाषण में सर्वप्रथम कार्यक्रम में उपस्थित सभी विभागाध्यक्षों और हाइब्रिड मोड से जुड़े सभी श्रोतागणों का स्वागत करते हुए

कहा कि आज के इस कार्यक्रम के अतिथि वक्ता डॉ. राकेश कुमार मिश्रा एक जाने माने वैज्ञानिक है जो आज अपने व्याख्यान में हम लोगों को महामारी से सीख और आगे की राह'' विषय से संबंधित बहुत सारी जानकारियां देंगे। मुख्य अतिथि वक्ता डॉ. राकेश कुमार मिश्रा ने अपने व्याख्यान में कोविड महामारी के आने के कारण और भविष्य में महामारी से बचने के उपाय पर गहन चर्चा की। इस क्रम में उन्होंने बताया कि महामारी के दौरान इससे निपटने में सीसीएमबी प्रयोगशाला ने किस प्रकार अपनी महत्वपूर्ण भूमिका निभाई। उन्होंने बताया कि बिना किसी का सैंपल लिए सिवेजवाटर से संक्रमण की सटीक जानकारी प्राप्त की जा सकती है और इसकी जानकारी से संक्रमण को फैलने से रोकने में काफी मदद मिल सकती है, इसी जानकारी से हमें हैदराबाद में अल्फा वैरिएंट को फैलने से रोकने में सफलता मिली। इसी क्रम में उन्होंने यह भी बताया कि सीसीएमबी ने हैदराबाद में महामारी के दौरान टेस्टिंग सेंटर, ट्रेनिंग सेंटर एवं वैलिडेशन सेंटर स्थापित की, जिससे लोगों को आसानी से सहायता मिल सके। सीसीएमबी लैब का कोविड के दवाओं को बनाने में भी योगदान रहा है। उन्होंने बताया कि जीईएआर-19 पोर्टल के जरिए कोविड वैरिएंट की संख्या का पता लगाया जा सकता है। चर्चा के क्रम में उन्होंने कहा कि यदि हम पर्यावरण के साथ खिलवाड़ करेंगे तो जीव-जंतुओं के साथ-साथ मानव जीवन पर भी इसका बुरा प्रभाव पड़ेगा। उन्होंने कहा कि यह पैंडेमिक कब खत्म होगी इसकी कोई सटीक जानकारी नहीं है और आगे उन्होंने कहा कि भविष्य में आने वाली महामारी इससे भी खतरनाक हो सकती है, इससे बचने के लिए सभी को अभी से सचेत एवं सजग रहने की जरूरत है। अंत में श्रीमती सुनीता देवी, सहायक अनुभाग अधिकारी (सा.) द्वारा धन्यवाद ज्ञापन प्रस्तुत किया गया। कार्यक्रम के आयोजन में हिंदी अनुभाग के कनिष्ठ हिंदी अनुवादक, आदर्श कुमार और कंप्यूटर व ज्ञान एवं सूचना प्रबंधन विभाग का पूर्ण सहयोग प्राप्त हुआ।

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Zeon and CSIR-IIIM sign MoU for collaborative research on botanicals

CSIR-IIIM 10th March, 2022

Zeon Lifesciences, an Indian manufacturer of nutraceutical and herbal products, has signed a memorandum of understanding (MoU) with the Council of Scientific and Industrial Research - Indian Institute of Integrative Medicine (CSIR-IIIM) - Jammu for innovative research programmes.

The aim of this collaboration is to conduct joint research and strengthen research and development projects of mutual interest.

Zeon will focus on the innovative botanical formulations for various critical care (viz: Neurological Disorder, Anticancer, Immunity Booster and diabetic care). In addition, this collaboration fosters the market of botanical formulations that the institute has produced with scientific rationale. The partnership will concentrate on product development in the areas of nutraceuticals, phytopharmaceuticals, and Ayurvedic medicine. On mutually agreed terms and conditions, Zeon and CSIR-IIIM will conduct clinical studies in accordance with AYUSH or DCGI Guidelines for chosen formulations.

Commenting on the collaboration, Suresh Garg, founder & MD of Zeon, said, “We believe that the industry-academia-collaboration is essential for fostering creativity and developing novel solutions that benefit society. Naturally, we work in the therapeutic areas of nutraceuticals and wellness. Our organisation is primarily concerned with the management of neurological disorders and collaborates closely with the CSIR-IIIM. Following that, we'll undertake some preclinical and clinical investigations at Zeon utilising their facilities for unique in-house formulations."

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