

CSIR IN MEDIA



CSIR

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Number of COVID patients requiring critical care, oxygen down from two days ago: Dr Harsh Vardhan

CSIR-CBRI

20th April, 2021

NEW DELHI: The percentage of COVID-19 patients requiring critical care and oxygen support has gone down as compared to two days ago, Union Health Minister Harsh Vardhan said on Tuesday after a review meeting with some premier hospitals in the country. He said that as compared to the figures two days ago, the percentage of COVID-19 patients in ICU is down from 1.93 per cent to 1.75 per cent, those on ventilators down from 0.43 per cent to 0.40 per cent, and those requiring oxygen down from 4.29 per cent to 4.03 per cent.



According to a Health Ministry statement, he said these figures do not diminish the fact that there is anxiety in the general population about availability of beds. It is also important for the nation as a commune to access the best medical facilities at all places. Vardhan, who chaired a meeting with the Directors of 10 AIIMS, PGIMER-Chandigarh and JIPMER-Puducherry to discuss the public health response to the pandemic, said, "We are the fastest globally to vaccinate. The fatality rate of 1.18 per cent is one of the lowest in the world and is continuously dipping. The present indicators tell us about the significant control we still have on the emerging situation."

The statement stated that he requested the directors to ensure that those who need hospital care are provided thus and those who are in need of oxygen/ventilators are also tended to. He also asked the officials to explore avenues to monitor patients who may not need hospitalization through telephonic counselling to re-assure them out of their helplessness.

In this regard, he also said, "AIIMS have a special responsibility towards providing quality healthcare. You have to ensure that all the hospital facilities are functional. The present capacities can be augmented by re-purposing non-COVID infrastructure to COVID facilities, such that non-COVID healthcare is not unduly affected."

He reminded them that the Union Health Secretary had advised for the strengthening of the hospital infrastructure after careful review. Vardhan observed that all the institutes combined have increased 879 general beds and 219 ICU beds.

In this regard, he also spoke of the recent attempt by DRDO to open a 500-bed facility in Delhi and the Council Of Scientific and Industrial Research-Central Building Research Institute (CSIR-CBRI)'s attempts to make temporary but durable hospital blocks at the Safdarjung Hospital and Lady Hardinge Medical College to house more patients, the statement said.

He informed that the AIIMS National Institute of Cancer (NIC) in Jhajjar had added 100 beds to its COVID Block while approximately 80 beds were added at JPNATC, AIIMS New Delhi at his request. Asserting that the recent COVID-19 surge is spreading fast and needs immediate attention, Vardhan detailed efforts to tackle the pandemic so far.

"In the shortest possible time, we ramped up testing from 1 lab to 2467 labs today with a capacity of more than 15 lakh tests per day, set up hospital infrastructure including COVID Care Centres, COVID hospitals with oxygen beds and ventilator bed. More than 12,000 quarantine centres were established. We also overcame the need for PPE kits, N95 masks. This helped to tide over the pandemic last year," he was quoted as saying in the statement.

Regarding the shortage in hands at the hospitals, Vardhan said, "We have to develop our manpower and human resources. Those who are in other departments and units can be used for COVID care with building their skills and capacities with training for a very short

duration. Everyone is looking at AIIMS for inspiration and your guidance and support. People respect AIIMS for their professional expertise."

Union Health Secretary Rajesh Bhushan laid out his suggestions to the directors of the different institutes. In view of the need to increase oxygen beds and ICU beds in the possibility of a surge, the Union government has already written to the states for supporting the All India Institute of Medical Sciences (AIIMS) in their jurisdiction.

He suggested that the unutilized hostel blocks, AUYSH block, hostel beds can be used for additional bed capacity to tide over the crisis.

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i2Cure bets on molecular iodine as Covid-19 deterrent

CSIR-CCMB

20th April, 2021

NEW DELHI: Serial entrepreneur and venture capitalist, Anil Kejriwal has partnered with US-based molecular iodine specialist, Dr Jack Kessler to launch i2Cure, a healthcare brand that claims to safeguard against viral infections.

The IIT-Kanpur alumnus's venture comes at a time, when the domestic market is flooded with sanitizer brands that claim to do exactly the same.

Kejriwal, who is also an investment evangelist, talks to TOI about how an idea that was meant to tackle tuberculosis was adapted to fight Covid-19. Excerpts:



How did you chance upon the idea? Was Covid-19 the reason?

My friends in the US connected me to Dr Jack Kessler. He had been struggling with his 30-year research on molecular iodine to create awareness and go to market. Iodine has been used by human beings for 200 years. Last research on iodine was done as Povidone Iodine 50 years ago.

Active ingredient in Povidone Iodine is molecular iodine which is stabilised at only 5-8 PPM (parts per million). Dr Kessler managed to create a product at a few thousand PPM. This makes i2Cure molecular iodine a few hundred times more powerful than Povidone-Iodine. He has also removed the nasty color and smell of iodine. Our product has very powerful applications.

My original goal was to create an anti-tuberculosis application as this has great efficacy to kill tuberculosis (TB) bacteria since the maximum number of deaths in India happens due to TB.

Then suddenly, the pandemic strangled the world. We launched the product against Covid-19. We have over 30 products for various applications. We will launch them in phases.

The domestic market is awash with products that promise to provide a shield against the virus. How do you plan to break the stereotype?

There are no products similar to us. We are completely different. We do complete protection (not only hand protection). Our product lasts for over six hours. We are the only product with CCMB (CSIR Lab), Intertek (USA) certifications.

Iodine is a new concept here. How do you plan to convince consumers to adopt iodine-based products?

Iodine is not a new concept. It was discovered in 1811 and has been used by humans ever since. We only modified the efficacy based on the concentration of active iodine (molecular iodine). Iodine is well accepted, people just need to be educated about its numerous other benefits of application. Once they experience it, the job is done.

Will the products be made here? Do you have plans for exports?

The active ingredient is currently made in Boston and formulated and packed in Roorkee, Uttarakhand, India. We have contracts with several countries for exports. We plan to foray into 32 countries by this year. Have you held any discussion with government bodies since you claim the products are so effective against Covid-19? We held discussions with the principal scientific advisor of the Government of India (GOI). The product was tested at the top lab of India, CCMB for efficacy against Covid-19. The results have been extremely promising. The Uttarakhand Police have protected their forces against Covid-19 by i2Cure during Kumbh. Several armed forces hospitals are protecting their staff with i2Cure. The Delhi Police were protected on the borders by i2Cure during peak farmers agitation!!!

What are the possibilities of extending the product line?

We are working on multiple applications such as, surgical care, derma, ENT, dental and in veterinary and agri applications.

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[Timesofindia](https://timesofindia.com)

BPCL conducts a webinar on Biofuels – A Way Forward to commemorate the 75th Anniversary of India's Independence in Aug. 2022

CSIR-IIP

20th April, 2021

Bharat Petroleum Corporation Limited (BPCL), a 'Maharatna' and a Fortune Global 500 Company organized a Webinar on Biofuels – A Way Forward as part of 'AzadiKaAmrutMahotsav' to commemorate the 75th Anniversary of India's Independence in August 2022. The webinar was conducted under the guidance and direction of the Ministry of Petroleum and Natural Gas (MoP&NG), Government of India (GoI). The webinar witnessed presence and key notes addressed by industry experts. The purpose was to create awareness and nudge the public towards adopting biofuels as a new source of energy. It was also to create confidence among entrepreneurs to take up challenges with the help of experts.



Eminent speakers related to the biofuels industry, research institutes and agriculture universities participated in the panel discussion. The speakers highlighted several initiatives undertaken in the course of biofuels practise. They also delivered insights on evolution in the industry and the need to be innovative in thinking and in execution.

In the keynote address, Shri Tarun Kapoor, Secretary, MoP&NG emphasized, “Biofuels is a cleaner alternative energy source to manage carbon imbalance in the environment. It has increasingly become indispensable for Sustainable Development towards **Atmanirbhar Bharat** with significant Socio-economic benefits while meeting growing energy needs of the country. Being informed about the initiatives and coordinated actions taken by various Ministries and Departments of Government of India for increasing production and consumption of Bio-

Ethanol, Compressed Bio-Gas and Bio-Diesel is crucial. We aim to encourage people to come forward to set up Biofuels production plants and be assured about marketing of Biofuels by Oil Marketing Companies. This is a crucial step and we wish to march forward with conviction and sustained efforts in this direction”

Arun Kumar Singh, Director Marketing and Director Refineries, BPCL expressed, "We wish to reiterate our country's commitment to reduce Greenhouse Gas emission intensity by 33-35% (relative to 2005 level), by 2030. Our emphasis areas are Bio-Ethanol, Compressed Bio-Gas, and through Solar branching towards Hydrogen for Carbon Neutrality. Under EBP programme, we have achieved 8.16% blending ratio during previous month and now we are moving towards achieving E10 in 2022 and E20 by 2025. Oil and Gas Marketing companies are paving way for setting up 5000 CBG plants by 2023 and have issued more than 1500 LOIs till date. We aim to continue the efforts undertaken in this direction and contribute towards a better future."

Several other eminent speakers expressed their views and insights on the topic. P. S. Ravi, Executive Director- Retail, BPCL, Atul Mulay, President, Praj Industries Ltd, Dr. Anjan Ray, Director, CSIR-IIP, Dr. M. K. Mohanty, BPCL Chair Professor, P V Ravitej, Executive Director (I/C) - Refineries BPCL , Milind S Patke, Executive Director - Biofuels, BPCL , OUAT, Nuriel Pezarkar, Founder & CEO of Noble Exchange Environment Solutions LLP and JaapVeenenbos, Chairman of the Board & General Director, SusBDe Holding BV, Netherland also graced the webinar with their presence and expressed valuable insights and remarks to make the journey of Biofuels, a success story.

Published in:

[FreePressJournal](https://www.freepressjournal.in)

Since Feb, UK variants found in 60% samples

CSIR-IGIB

20th April, 2021

Sixty per cent samples of the patients infected with Covid-19 from Haryana sent to Central labs for genome sequencing in February, March and April have been found positive for the UK mutant variants. In the samples taken during the month of March, 77 per cent of the samples were found positive for the UK mutation variants.

310 test positive in three months

While none of the samples sent to the CSIR Institute of Genomics and Integrative Biology, a part of the Indian SARS-CoV-2 Genomic Consortia, in Dec 2020 and Jan this year showed any mutant variant, 310 samples of Feb, March and April have so far been found positive for the UK variants.

Rajeev Arora, Additional Chief Secretary, Health and Family Welfare, Haryana, said the state had sent 1,640 samples to the CSIR-IGIB for genome sequencing since December 2020. Of these, 710 samples had so far been sequenced, while 718 were pending with the lab for the sequencing.

A total of 212 samples were not selected for sequencing by the CSIR-IGIB, the officer said.

“The highest 76.53 per cent samples were found positive for mutant variants from those sent in March, as 261 out of the 341 samples sequenced so far had tested positive. Forty seven out of the 102 samples sequenced in April and two out of the 77 sequenced in February were also found positive for the mutant variant 501Y.V1, making it 310 out of 520 in the three months. None of the 63 samples of December 2020 or 127 of January 2021 had any mutant variant,” said Arora.

The variant has largely been detected in samples from Panchkula, Ambala, Kurukshetra, Panipat, Karnal, Gurugram, Faridabad, Sirsa and Hisar, the districts which incidentally have observed an unprecedented surge in recent days.

The virus mutant 501Y.VI, SARS-CoV-2 variant VOC 202012/01 (variant of concern year 2020 month 12 variant 01) or B.1.1.7 was first detected in the UK and is associated with increased transmissibility.

Arora said the state expected to receive the report of the samples pending with the CSIR-IGIB soon. The Centre had recently told the states to send randomly picked samples to the INSACOG labs for genome sequencing to know about the mutant variants active in various states.

Covid-19 second wave: Next three weeks crucial for India, says CSIR-CCMB director

CSIR-CCMB

19th April, 2021

The next three weeks are crucial for India in terms of the spread of COVID-19, said Dr Rakesh Mishra, Director of CSIR-CCMB (Centre for Cellular and Molecular Biology), adding that it is very important for people to follow guidelines very strictly.

Mishra emphasized that people must follow the guidelines very strictly to prevent themselves from being infected with COVID-19.

"The next 3 weeks are very critical for India in terms of the spread of the infection. People should take utmost care and precautions," he told ANI. Regarding the dearth of hospital beds, oxygen cylinders and vaccines, Dr Mishra said that if the situation continues, the country will be in a disastrous state.

"We have seen this kind of situation in Italy, where many people have lost their lives on the corridors of hospitals due to lack of treatment medicine and oxygen cylinders. Last year, healthcare workers were very effective in handling the situation," he said.

Speaking about the increasing number of COVID-19 positive cases in the country Dr Mishra said that the second wave was very much expected.

"On many occasions over the past few months, many medical intellectuals, have been saying that the virus and its impact is just low and has not been completely wiped out. We should have been a bit more prepared for this kind of situation," he said.

He further said that the reason cases are increasing day by day is because people have stopped taking care of themselves by not putting on masks, and thinking that it has gone completely.

"People will be infected without knowing and will go back to their home towns and further spread the virus to most of the villages, thus resulting in the spread to even more people," he said.

"After a thorough air sampling of the coronavirus, it has been found that the virus can spread through air. It can move upto 20 feet in a closed area. Wearing a mask can keep one 80 to 90 per cent safe. If the other person is also wearing a mask, then one can be 99 per cent safe," he added.

The COVID-19 situation in India continues to deteriorate, as the country yet again reported the highest single-day spike of coronavirus cases with over 2.73 lakh fresh infections and 1,619 deaths in the last 24 hours.

According to the Health Ministry, India reported at least 2,73,810 new COVID-19 cases, taking the total number of positive cases in the country to 1,50,61,919. There are currently 19,29,329 active cases in the country as of Monday.

Published in:

[Livemint](https://www.livemint.com)

COVID-19 | CCMB Director urges govts to halt crowding activities

CSIR-CCMB

17th April, 2021

There is an immediate need for the governments to control all the activities involving clustering of people into groups to control the current “dangerous” trend in the rising number of COVID-19 cases in the country and across many States, assert top scientists involved in combating the SARS-CoV-2 virus on Friday.

Congregations and group activities to be curtailed include political meetings, rallies, road shows, markets, religious gatherings, cinema halls, restaurants, bars, pubs and any indoor events. “People meeting in groups in any of these activities is a recipe for disaster. We have to minimise crowding because lockdowns affect the economy and livelihoods, so we have to ensure non-essential things are stopped,” said CSIR-Centre for Cellular & Molecular Biology (CCMB) director Rakesh Mishra.

“If we have to keep a control on the virus, we have to wear masks all the time when we step outside the house even for walking the dog, or it is like being naked. There is no need to invite guests home for the next few months and ensure hand hygiene is practised. It may also be prudent to change clothes after an outdoor visit to be doubly cautious,” he suggests.

While the CCMB and other sister labs had already pronounced the airborne transmission of the coronavirus in closed environments which is now being universally accepted, Dr. Mishra attests that there is every chance of the virus hanging in the air for half hour or more in a room having an infected person with less ventilation or air flow.

“That is why we are saying the virus can spread in restaurants and cinema halls irrespective of occupancy ratio. A single person is enough to spread the virus when you take off the mask to eat or drink. In public toilets, the virus can hang around for two hours,” he warns.

The director says the virus variants ‘will keep coming’, at any given time, there are thousands of them — while most will be of no consequence, some will be more efficient in transmission compared to others, so there is nothing to panic because “we know that the threat is already there, all we need to be careful”.

“What we have to watch out for is if any of the variants are resistant to the vaccines available. So far, the reinfections are few, it means once infected, the person is protected and therefore, the vaccines are also likely to work. We are studying ‘B.1.617’, the so-called double mutation variant and will know the results in a few days,” he explains.

Rapid transmission can still be prevented by avoiding person-to-person contact rather than allowing the virus the opportunity to come up with worse variants. “We have noticed that the UK variant prevalence is high in Punjab and double mutant variant is high in Maharashtra — up to 50%, but here, in Telangana, Andhra Pradesh and even Kerala, it is seen in 5-10% cases only. It is clear that people have contributed to the current spread with gatherings, ignoring COVID-appropriate behavior. The governments, too, have been tolerant. It is disappointing as this could have been easily avoided,” laments Dr. Mishra.

There is no conclusive proof of mutations escaping the RT-PCR tests as it could also be due to early stage testing, not following due protocols during sample collection or testing, faulty equipment, lacunae in training the personnel, etc. Also, this method has “70-80% chance of getting it right”, he added.

Published in:

[Thehindu](https://www.thehindu.com/)

NMC center's crowded as RTPCR test resumes after 3-day break

CSIR-NEERI

16th April, 2021

Nagpur: As swab collection for RTPCR test resumed on Thursday after a break of three consecutive days, all the center's of Nagpur Municipal Corporation (NMC) witnessed heavy rush. Citizens had been waiting since Sunday for the test to begin as it considered gold standard to confirm Covid-19.

The center's were only performing rapid antigen test (RAT) until Thursday as four public labs were clearing backlog. The exact number of tests conducted would be known on Friday.

On Thursday, hundreds of citizens were turned back from center's which reached their daily swab collection limit. At some places, fights were reported among citizens waiting outside these center's. In a bid to clear the rush, some center's made doctor's prescription or positive report of a close contact mandatory.

“We closed the gates and announced that only those with a prescription or is a close contact would be tested. Still, many waited and reached the registration desk. We offered them rapid antigen test but they insisted on RTPCR,” said Dr Meenakshi Singh, in-charge of Pachpaoli center.

Centre officials said the number of genuine citizens was much more than their day's capacity and there is urgent need to work in double shifts and increase manpower. Some officials said they received calls from patients whose treatment couldn't start due to lack of RTPCR tests.

“NMC had directed us to consider antigen positive report but many with symptoms had tested negative in RAT. Emergency surgeries and pregnancy cases were pending,” they said.

At RPTS testing Centre, many had queued up from 5am to ensure they are among the day's first 300. "We kept 25 viral transport media (VTM) tubes for emergency cases. Those too were taken in no time. Some patients said they were unable to get admission," said a center official.

Though the backlog has been cleared, citizens would still need to wait for a day to get the report from all labs except, CSIR-NEERI. Samples from RPTS Centre are processed at Neeri lab and the results are given the same day.

At PWD quarters in Raj Nagar, the queue extended onto the road. The Centre had put up pandal for citizens but many had to stand as no chairs were provided.

Meanwhile, more private labs refused to provide home collection due to heavy workload and manpower shortage. This forced more people to visit NMC center's.

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CSIR-IIP

15th April, 2021

पहली बार बायोडीजल से दौड़ी बस और कार

नवोन्मेष

जागरण संवाददाता, देहरादून: यह बात जगजाहिर है कि पेट्रोलियम पदार्थ सीमित समय के लिए ही उपलब्ध हैं और पर्यावरण में कार्बन की बढ़ती में भी इन्हीं का सर्वाधिक योगदान रहता है। इसको देखते हुए भारतीय पेट्रोलियम संस्थान (आइआइपी) भविष्य में ग्रीन एनर्जी और वैकल्पिक ईंधन की जरूरत को पूरा करने के लिए लगातार प्रयोग कर रहा है। बुधवार को संस्थान ने इस दिशा में कदम आगे बढ़ाते हुए वेस्ट प्लास्टिक से तैयार डीजल से आइआइपी केंद्रीय विद्यालय की बस को दौड़ाकर अपने एक प्रयोग का भली-भांति प्रदर्शन भी कर लिया। संस्थान की हीरक जयंती के अवसर पर आयोजित कार्यक्रम में सेंट्रल साइंटिफिक एंड इंडस्ट्रियल रिसर्च (सीएसआइआर) के महानिदेशक डॉ. शेखर सी. मांडे ने इस बस को हरी झंडी दिखाकर रवाना किया।

आइआइपी के प्लांट में वेस्ट प्लास्टिक से तैयार किए गए डीजल का इस्तेमाल कर बस को संस्थान परिसर में चलाया गया। बस का



बायोडीजल से कार चलाते सीएसआइआर के महानिदेशक डॉ. शेखर सी. मांडे • सामार- आइआइपी

प्रदर्शन अपेक्षा के अनुरूप मिला। इस खास अवसर पर संस्थान की एक तकनीक बायोडीजल/ग्रीन डीजल का प्रदर्शन भी किया गया। महानिदेशक के समक्ष ही विज्ञानियों ने बायोडीजल को कार में भरा। इसके बाद महानिदेशक ने स्वयं कार की कमान संभालकर ग्रीन डीजल के प्रदर्शन का

जायजा लिया। संस्थान के निदेशक डॉ. अंजन रे ने महानिदेशक को बताया कि इस ईंधन को 'दिलसाफ' (ड्रॉप इन लिक्विड सस्टेनेबल एविएशन और ऑटोमोटिव फ्यूल) नाम दिया गया है। इसके बाद संस्थान के सभागार में हीरक जयंती के साथ ही भारत रत्न डॉ. भीमराव आंबेडकर

की 130वीं जयंती मनाई गई। निदेशक डॉ. रे ने बताया कि आइआइपी आत्मनिर्भर भारत की दिशा में तेजी से काम कर रहा है। प्रयास किए जा रहे हैं कि ईंधन के आयात को कम किया जाए। कार्यक्रम में डॉ. नीरज आत्रे, डॉ. जयति, डॉ. डीसी पांडे, अनिल जैन, पूनम गुप्ता आदि उपस्थित रहे।

मोहाली और ओडिशा में लगेगा पराली से ग्रीन ईंधन का संयंत्र

आइआइपी निदेशक ने बताया कि पराली जलाने से होने वाले प्रदूषण को कम करने के लिए ग्रीन ईंधन तैयार करने की तकनीक ईजाद की गई है। इसका संयंत्र पंजाब के मोहाली और ओडिशा के नवरंगपुर में लगाया जाएगा। इसके अलावा उन्होंने बताया कि लद्दाख को प्रदूषणमुक्त और विकसित बनाने के लिए वहां जियोथर्मल परियोजना शुरू की जा रही है।

Published in:

Dainik Jagran

CSIR-IIP

15th April, 2021

Diamond Jubilee Celebrations held at CSIR-IIP

By OUR STAFF REPORTER

DEHRADUN, 14 Apr: CSIR-Indian Institute of Petroleum held its Diamond Jubilee Celebration here, today, on completing 61 years in 2020. The theme of the function was: 'Atma Nirbhar Bharat: Utilisation of Indigenous Carbon Resources – Reduction of Import Crude Dependency'.

The Chief Guest at the event was Dr Sanjiv S Katty, DG, ONGC Energy Centre, while Dr Shekhar C Mande, DG, CSIR, was the Guest of Honour. The event was organised in hybrid physical online mode.

The programme was initiated by paying floral tribute to Dr Bhim Rao Ambedkar on his 130 birth anniversary at the Dr BR Ambedkar International Training Centre in the IIP campus. The members of CSIR IIP SC/ST Association were also present during the celebration.

Dr Anjan Ray, Director, CSIR IIP, introduced all the guests and congratulated the IIP family on the foundation day. Dr Ray emphasised the potential of waste domestic carbon resources for addressing energy and environmental challenges in the country. Sudip Ganguly, Chief Scientist, IIP, described the Institute's Journey in the past six decades.

Dr Sanjiv Katty briefly mentioned the activities of ONGC OEC and focused on a few of the research projects with CSIR IIP like Thermo-chemical Hydrogen



Generation Helium extraction from Natural Gas wells. He presented a road map of the Geothermal Field development Project in Ladakh.

Dr Mande highlighted the role of CSIR in bridging the gap between industry and academia, and shared his vision of presenting India on the global map through the achievements of CSIR. He highlighted major achievements of CSIR during COVID and POST COVID period. He further mentioned that CSIR had contributed immensely on COVID studies like Paper Based Diagnostic based on CRISPR-Cas

(FELUDA) developed by CSIR IGIB and commercialised under the name TATA MD Check, ICMR approved Dry Swab based Diagnostic technique validated by CDFD Hyderabad and IISER Orissa and Ciplenza (repurposed generic drug) developed by CSIR IICT in collaboration with CIPLA. Dr Mande emphasised the need for industry partnership in successful deployment of technologies like the recently commissioned plant at GACL on production of Hydrazine Hydrate by CSIR IICT. He also showcased two major initiatives being worked

upon by CSIR. One on UAV drone based telecommunication and remote sensing system and the other on Establishment of a Centre of Excellence Carbon Capture Utilisation and Sequestration. He acknowledged the contributions and efforts of CSIR IIP in the field of renewable and green fuel generation.

On the occasion, DG Dr Sekhar Mande flagged off the institute's bus run on diesel obtained from the waste plastic conversion plant installed at CSIR-IIP and also drove a Tata Tiago car run on green diesel named

DILSAAF (Drop in Liquid Sustainable Aviation and Automotive Fuel) from CSIR IIP's Bio-jet Plant. The event also hosted the virtual inauguration of Mobile Biomass Pelletiser from Mohali, Punjab for deployment at Nabrangpur, Odisha. Indian Herbs, Saharanpur took the opportunity to showcase several herbal products like insect repellants, pain reliever ointments developed using bio-oil obtained from mobile pyrolyser unit at CSIR IIP. Dr Bhavya Balagurumurthy, Senior Scientist, CSIR IIP, spoke on the evaluation of bio-oils as snake repellants.

Dr Neeraj Atray, Sr Principal Scientist, and Dr Jayati Trivedi, Sr Scientist, demonstrated the production of fuel from used cooking oil in a 50 litre mobile Room Temperature Bio-diesel Unit. Dr Soumen Dasgupta and his team demonstrated the in-house developed Oxygen concentrator and Dry Ice Unit for medical applications. Dr Shekhar Mande expressed his enthusiasm and keen interest in wide scale deployment of the above technologies in the near future.

Dr DC Pandey, Chairman, Celebration Committee, Poonam Gupta, Sr Principal Scientist, Dr Anil Jain, Sr Principal Scientist, and Suryadev Kumar, Incharge IT, and Anjali were present. More than 200 participants attended the event through virtual mode. The vote of thanks was proposed by Jaswant Rai, Controller of Administration.

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सीएसआईआर-आईएमएमटी का 58वां स्थापना दिवस मना

भुवनेश्वर. भुवनेश्वर सीएसआईआर-आईएमएमटी ऑडिटोरियम में मंगलवार को 58वां स्थापना दिवस वर्चुअल के माध्यम में मनाया गया. सीएसआईआर महानिदेशक तथा डीएसआईआर के सचिव डॉ. शेखरचंद्र मांडे मुख्य अतिथि के रूप में वीडियो के जरिए उपस्थित थे. सीएसआईआर के निदेशक प्रो. एस.बासु स्थापनादिवस के अध्यक्ष डॉ. ए.के. साहू, कई वैज्ञानिक, अधिकारी एवं आईएमएमटी के कर्मचारीगण वीडियो कॉन्फ्रेंसिंग के माध्यम में उपस्थित थे. इस स्थापना दिवस के अवसर पर प्रो. एस.बासु 2020-2021 के वार्षिक रिपोर्ट एवं अभिव्यक्ति नाम की हिंदी पत्रिका का विमोचन किया.

उन्होंने कहा कि आईएमएमटी 165 प्रोजेक्ट के साथ 83 नये प्रोजेक्ट में कार्य करने में सक्षम हो पाया है. इस महामारी स्थिति में आईएमएमटी, कोविड-19 जनित कई सहायक उपकरण भी विकसित किया था. लोहे पत्थर हाइड्रोलिक परिवहन के लिए विभाग सफलता के साथ एक स्लॉरि पाइलट प्लांट टेस्ट सुविधा का विकास किया है. कार्यक्रम में उपस्थित सीएसआईआर-आईएमएमटी के महानिदेशक डॉ. मांडे ओडिया नववर्ष की बधाई देने के साथ यूनिवर्सिटी नाम के एक स्लाइड तैयार करके आईएमएमटी के सफलता एवं भविष्य के योजना के बारे में चर्चा किया. सीएसआईआर कोविड से पहले एवं इसके बाद के समय में

इसका अवदान जारी रखने के बारे में सूचित किया. इस अवसर पर दो तकनीकी स्थानांतरण के लिए एमओयू हस्ताक्षर हुआ. इंडियन प्लांट, फीड, एमएसएमई विभाग अधीन में आ रहे कटक के एक संस्था बायाचारफॉर्म वेस्ट बायोमास पर सीएसआईआर-आईएमएमटी के विकसित टेक्नोलॉजी ग्रहण करने के लिए राजी हो गया है. आईएमएमटी के ये 58वां स्थापना दिवस में इंडियन प्लांट फिड्स के प्रोफेक्टर रेणुवाला घोष तकनीकी विद्या स्थानांतरण के साथ लाइसेंस के लिए एमओयू पर हस्ताक्षर किया है. इस अवसर पर टेक्नोलॉजी स्थानांतरण का एमओयू एसवीएनटी, हैदराबाद के निदेशक संजीव आर. देशाल को प्रदान किया गया था.

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