





NEWS BULLETIN

26 TO 31 &UGUST 2020









30th August, 2020



• 32 శాతం భూగర్ప జలాలు తాగేందుకు పనికిరావు

• ఎన్జోఆర్ఐ అధ్వయనంలో వెలడి • 2018 వేసవిలో సేకలించిన నమూనాల ద్వారా గులింపు ఈనాడు, హైదరాభాడ్: తెలంగాణలోని వన పరి, మహబూజ్నగర్ జిల్లాల పరిధి కృష్ణా పరిహ హాక ఎగువ పొంతాలో 32 శాతం భూగర్ప జలాలు తాగదానికి పనికిరావని జాతీయ భూటో తిక పరిశోధన సంస(ఎన్జీఐఆర్) ప్రాథమిక ఆధ్య యవంలో వెల్లడెంది. 1,600 చదరపు కిలోమేటర్ల పరిధిలో 2018 వేసవిలో 58 ప్రాంతాల నుంచి నీటి నమూనాలను నేకరించి విశేషించగా ఈ విషయం వేటతెల్లమెంది. తెలంగాణలో పోరేడ్ ప్రజావిత పొంతాలు ఎక్కువగా ఉండటంతో శాన్నీయ ఆద్య యనం కోసం పరిశోదకులు వాటర్షెడ్ (పాంతాన్ని ఎంపిక చేసుకుని బోరు బావుల నుంచి నమూనా



మొత్తంగా 68 శాతం పొంతాలోనే తాగడానికి సమూనాలు 590 ఆమోదయోగణమన ವಿದೆ తరాంత ఆవే a775900 నమూనాలను పరీక్షేస్తే ఆధ్య 2635 19 యనం సమగమవతుంది. పాంతాలోనే ఉందా? ఇంకా తగ్గందా? మరిని పాంతాలకు విస్తరించిందా? ఆనేది కూడా తేలు తుంది' ఆని పరిశోధనకు మారదర్శనం చేసిన ఎన్ 208 CCG 200 800

కృష్ణా పరివాహక ఎగువ గ్రామంలో నీటి నమూనాలను సేకరిస్తున్న ఎన్జీఆర్ఐ ముఖ్య శాస్ట్రవేత్త కె.రాంమోహాన్, పరిశోధక విదారి ఎస్.పి.పెప్

ప్రాంతాల్లోని భూగన్న జలాల్లో ప్రమాదకర మూల కాలు ఉన్నట్లు గుర్తించారు. ఈ ఫలికాల ఆధా రంగా స్థపంచ ఆరోగం సంస నిరేశించిన నీటి

1.600 చ మీటర్ల పర లివణాల తెంతం త్ర	శాస్త్రవేత్త రాంమోహ 'ఈనాడు'త అన్నారు. ఆధ్వర్యంలో	
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53	(ඩ්යයකි)	డుమాణాలకు	మించి	ತಯ್	శాస్త్రవేత్తలు ఆయా ప్రాంతాలకు రేటింగ్ ఇచ్చారు.	



Published in:

Eenadu





CFTRI-GRAAM To Establish Rural Women Entrepreneurship In Mysuru District







on a virtual platform. The memorandum serves to provide a framework for understanding and co-operation between both the institutions in implementing rural livelihood projects. As part of the MoU, CFTRI will extend technical support for planning production unit, technical training to women entrepreneurs, quality assurance, CSIR-CFTRI (Central Food etc. GRAAM, having rich expertise in Technological Research Institute) and developing livelihood model for rural GRAAM (Grassroots Research and communities based on rural wealth creation Advocacy Movement), Mysuru, signed a principles, will handhold the women Memorandum of Understanding (MoU) on entrepreneurs with necessary capacity building, Aug.20 to provide a mutual technical – training, mobilising and motivating them to be social collaboration for establishing rural find a sustainable livelihood. GRAAM also livelihood initiatives in India. The intends to develop a brand for products memorandum was signed on behalf of produced by women entrepreneurs. The project GRAAM by Dr. R. Balasubramaniam, aims at developing a resurgent economy in Chairman, GRAAM and Dr. K.S.M.S. rural India by adding value to local agricultural Raghavarao, Director, CFTRI. Dr. produces. The programme is expected to Basavaraju R. Shreshta, Executive Director benefit entrepreneurs as well as farmers in of GRAAM, Dr. R. S. Matche, Head rural areas. As the first initiative under the TTBD, P. Manilal, Head, PMC and framework of this MoU, GRAAM is implementing a social business project in a Raghavendra, TTBD Department were selected village of Mysuru district. present at the signing event that was held





The goal of the project is to support rural women entrepreneurs to develop a sustainable livelihood. GRAAM will establish a millet-based value-added product manufacturing unit and will handhold the women entrepreneurs to streamline the business functions in a sustainable manner. The project is being supported by WuerthElektroniks, a 75-year-old multinational company which is a world market leader in the sale of assembly and fastening materials. Dr. R.S. Matche assured necessary support from CFTRI with required technology to develop a state-of-the-art processing unit and nutritious millet-based food products.

Dr. Basavaraju of GRAAM, highlighted the importance of partnership between a development organisation like GRAAM and a technical institution like CFTRI to impact the rural women and rural economy. Dr. R. Balasubramaniam said the project will add value to rural women entrepreneurs, consumers, CFTRI, GRAAM, and others who involve in the project.

Dr. Raghavarao said this initiative will improve rural livelihood and assured support to GRAAM.





Mail News Service

Jamshedpur, Aug 28 : e-Behind The Teacher's Desk (e-BTTD-2020), an international student seminar on Materials and Metallurgical Engineering, was organised by Indian Institute of Metals (IIM) Jamshedpur Chapter in association with CSIR-Metallurgical National Laboratory (NML), National Institute of Technology (NIT) Jamshedpur and Tata Steel Limited.

This year due to Covid-19 pandemic situation around the globe, the seminar was organised on a virtual platform in the form of e-BTTD-2020. The aim of the seminar is to provide a common platform for promising and aspiring metallurgists to interact with the

pool of experts from industries, R&D centres and academia. The student participants of this event will get an opportunity to update their current knowledgebase, and academic their share achievements, innovative thoughts and new ideas in the field of metallurgy and materials technology.

Like previous years, this year also around 70 students from 25 engineering colleges/institutes. There were rigorous interactions among the students on the YT Chakrabarti (Ex. Head-Research channel. Thereafter, a total of 17 participants were selected for presentations for the finale event which was organised on 28th Aug, 2020 through CISCO platform WebEx. The finale was virtually presided over by the Chief Guest, Dr. Namburi Eswara of CSIR-NML, Jamshedpur



Director, DMSRDE, DRDO), Guest of Honour, Dr. Shantanu Application, Tata Steel & Visiting Prof. IIT Kgp.), Dr. Indranil Chattoraj (Director, CSIR-NML) and Dr. Mita Tarafder (Chairperson-IIM Jamshedpur Chapter). Dr. Indranil Chattoraj, Director Prasad (Outstanding Scientist and welcomed the Chief Guest and

the student delegates. He motivated the metallurgy graduates to work and contribute in core profession and to come up with noble and newer ideas for the advancement of the metallurgy and materials engineering.

Dr. Namburi Eswara Prasad, Outstanding Scientist and Director, DMSRDE, DRDO and the Chief Guest of the inaugural function addressed the student participants. He appreciated the involvement of huge number of student participants from Prof. IIT Kgp. and the Guest of metallurgical fraternity in this Honour took the online platform event. He emphasized upon some of the significant achievements of DMRL and DMSRDE in indigenizing various materials for defence applications. He also briefly talked about the extensive and thorough work which DMRL and DMSRDE have carried out

with respect to the development of Al-Li alloys and DMR 1700 grade maraging steel for Indian strategic sector. He concluded his lecture by motivating the participating students to strive for fundamental knowledge which can actually help in employing advanced engineering tools and techniques to make materials more useful for the human kind. Dr. Shantanu Chakrabarti, Head-Research Former Application, Tata Steel & Visiting to a next level by indulging students in a highly interactive and igniting session of out of box thinking. He emphasized upon the qualities which an engineer of tomorrow should possess so as to make an impactful career, fruitful for the human kind as well.



Published in:

Avenue Mail



CSIR-NML



29th August, 2020



Published in:

Prabhat Khabar





CSIR-NEIST Branch donated Hand Sanitizers to RIMS







A team led by Dr H Birkumar Singh, Senior Principal Scientist, CSIR-NEIST Branch Lab, Lamphelpat, Imphal donated Alcohol based Herbal Hand Sanitizers to RIMS, Imphal today. Sixty nine (69) nos of Hand Sanitizer bottles including spray type which is formulated by CSIR-NEIST Branch, Lamphelpat, Imphal handed over to Director, RIMS Prof A Santa Singh at his office chamber. The Director thanked the CSIR-NEIST Lamphelpat, Imphal team for donating the said items during this COVID-19 pandemic situation. It will also help

the staff of RIMS Imphal for day today need.

Published in:

E-Pao





CCMB chief: Need to study reinfections



27th August, 2020



Gujarat. Typically, in India all cases of reinfection have been those which are either health professionals or somebody who is handling samples. Security persons who are in this environment for long durations too have been affected. The issue is that we must be very sure that the person who is reinfected was tested correctly both times and there is no All reports of Covid-19 reinfection need to mistake in labelling samples, exchange of

names and contamination (contamination is a be watched closely and investigated, Dr Rakesh Mishra, director, CSIR- Centre for big issue during sample process)," Mishra said. Cellular and Molecular Biology (CCMB), He said RT-PCR tests are extremely sensitive Hyderabad, has said. The most dominant and can give false positive in case of clade (sub-strain) of the virus has changed contamination. Speaking about the two from A3i to A2a in Hyderabad. A3i, which suspected cases of reinfection in Hyderabad, he was dominant in the southern part of the said there are many things to validate before country, is weaning out. The senior we can call it a genuine case of reinfection. scientist said Covid-19 reinfection was not "Both isolates should be sequenced to really impossible but rare at the moment and figure out if there is a different clade of the could happen due to a variety of reasons. virus (sub-strain) compared to first-time CCMB would like to research the cases, if it infection," he said. Hyderabad currently is gets support from the authorities having seeing most cases of a2a clade of the virus. "In samples of the suspected cases, he added. case of SARS-CoV 2, the virus strain is only one but there are sub-strains. A small variation "There are very few suspected cases, keeps changing the clade and even in one clade including from Delhi, Telangana and





there can be a number of mutations. These mutations are not of much consequence but they are there and once in a while, it can make the virus stronger..." Hyderabad has largely only one clade, which is a2a, while earlier it was A3i which was seen in large numbers. "A3i has almost disappeared, going by what we sequenced the last time." Predicting that infections will come down in the country soon, he said, "There is nothing unusual and unexpected happening with the virus so far. At the moment I don't think reinfection is something that should bring any alarm but since it has been noticed, people should watch out carefully..."









IIT-Tirupati inks pact with CFTRI to work in food technology



26th August, 2020



Indian Institute of Technology (IIT) Tirupati and Central Food Technological Institute (CSIR-CFTRI), Mysore have signed a memorandum of understanding for scientific collaboration in a virtual event held on Wednesday. The MoU between the two premier institutes allows for exchange of faculty and scientists, collaboration on research projects and joint guidance of students. Speaking at the event, IIT Director Prof K N Satyanarayana said that food technology and precision agriculture was one of the thrust areas of the institute

due to its national relevance. Though the country is primarily agriculture driven, very few premier institutes focus on agriculture and food technology, he added.

Published in:

The Hans India





CSIR-CMERI to launch e-tractors in September





CSIR-CMERI, Durgapur, plans to launch electronic tractors next month, which will have the potential to change the current practice of using diesel tractors in the country. Central Mechanical Engineering Research Institute (CMERI) director Harish Hirani said at a recent webinar on modern age farming that it will be a "revolutionary step" in the history of tractor technologies.

"CSIR-CMERI will be launching the first generation e- tractors in September, 2020, which has the potential to overhaul the current diesel-intensive tractor usage practices prevalent across the nation," he said on Tuesday. Hirani urged all MSEs (material, science and

engineering units) to come forward with their ideas, visions and existing technologies so that CSIR-CMERI can collaborate and add further value to the "potential visionary technology."

"The future trend in agriculture would be driven by Artificial Intelligence and Efficient Electronic Architecture, and the research and development course of CSIR-CMERI is already aligned in this direction," he said. To enhance the income of farmers and help them get proper value for their produce, CSIR-CMERI has developed post-harvest technologies being used in northeastern states, including Mizoram, Arunachal Pradesh and Manipur.

The post-harvest processing technology has a tremendous socio-economic impact in the northeastern states, he said. It is helping thousands of locals, especially women, to become a part of mainstream economic activities, Hirani said. PTI SUS MM MM

Published in:

Outlook





AIIMS Rishikesh to establish plastic banks for recycling



26th August, 2020

As an initiative to properly dispose of the generated plastic waste, All India Institute of Medical Sciences (AIIMS), Rishikesh will set up plastic banks in association with Social Development for Communities Foundation. According to the foundation's Anoop Nautiyal, there is a considerable increase in the amount of plastic waste generation in the last few months and recycling this kind of waste is an effective way to deal with the issue.

He said that his foundation had already established plastic banks in Dehradun last year from which the collected plastic waste is being recycled in Council of Scientific and Industrial Research-Indian Institute of Petroleum (CSIR-IIP) and in similar way, the plastic waste from

AIIMS will be recycled here too.



The Pioneer





Webinar on Assessing R&D Needs & Development of Import **Substitute in Farm Machineries for MSMEs**

CSIR-CMERI

25th August, 2020



the Nation. He charted the technology development journey from the Swaraj Tractor developed by CSIR-CMERI during the Green Revolution to the compact Krishi Shakti and a staff. In the second Tractor developed as a specimen of the changing trends in Agricultural practices. In to an a stand of the his presentation, Dr. Hirani showcased innovative agricultural technology Prof.(Dr.) Harish Hirani, Director, CSIR- interventions ranging from Precision Planter CMERI, Durgapur, Shri R.K. Parmar, for Vegetables, Offset Rotavator for Orchards Deputy Director, MSME-DI, Ludhiana and to Controlled Atmosphere Renewable Energy Shri Baldev Singh, Chairman, Punjab State Based Stand-Alone Cold Storage Unit, Leaf Agriculture Implements conversed upon Collector System and Automatic Bio-Mass redirecting R&D course for bolstering Briquetting Plant. To enhance the income of Import Substitution in Farm Machineries at farmers and to get proper value for their an engaging Webinar held on 25th August produce, CSIR-CMERI has developed post-2020. Prof.(Dr.) Harish Hirani, Director, harvest technologies and have been installed in CSIR-CMERI, Durgapur, gave a thorough various states of North East India including and analytical presentation on the array of Mizoram, Arunachal Pradesh and Manipur. CSIR-CMERI developed Farm The Post-Harvest processing technologies Mechanization, Agricultural and Post- having a tremendous socio-economic impact in Harvest technologies. Dr. Hirani stated that the North-Eastern states and is helping an amalgamation of Science, Economics thousands of locals, especially women, to join and Society can work wonders for the mainstream economic activities. Dr. Harish Hirani, stated that as a revolutionary step in transforming the Economic Landscape of





the history of tractor technologies, CSIR-CMERI will be launching the First Generation E-Tractors in the month of September, 2020, which has the potential to overhaul the current Diesel-intensive Tractor usage practices prevalent across the nation. Dr. Hirani urged all the MSEs to come forward with their ideas, visions and existing technologies so that CSIR-CMERI can collaborate and add further value to those potential visionary technology through intensively analyzed Techno-Economics. The future trend in Agriculture would be driven by Artificial Intelligence and Efficient Electronic Architecture, and the R&D course of CSIR-CMERI is already aligned in this direction. The CSIR-CMERI technologies after being deployed in the fields, if requires further improvisation/modifications as per newly evolved challenges/obstacles, will be remodeled/value-added by the team of scientists exclusively deputed for the purpose.

Shri Baldev Singh and Shri R.K. Parmar were highly enthused by the technology prospects of

CSIR-CMERI. Shri Baldev Singh urged Dr. Hirani to further intensify the efforts of CSIR-CMERI towards development of bespoke solutions for the farming community across the nation as per the geographical, soil and socio-economic parameters of the region.



CSIR-IITR

आइआइटीआर 50,000 से अधिक

सीएसआइआर–आइआइटीआर में 50 हजार से ज्यादा कोविड–19 परीक्षण पूरे होने पर निदेशक के साथ टीम • फोटो सौजन्य : संस्थान

नमूनों का परीक्षण कर अव्वल

जागरण संवाददाता, लखनऊ : राजधानी स्थित (भारतीय विषविज्ञान अनुसंधान संस्थान) आइआइटीआर ने पिछले 16 हफ्तों में कोविड-19 के 50 हजार से अधिक नमूनों का परीक्षण करके सीएसआइआर (वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद) की प्रयोगशालाओं में अव्वल स्थान प्राप्त किया है। संस्थान चार मई से प्रदेश क विभिन्न जिलों में नमूनों की जांच कर रहा है।

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आलोक धावन बताते हैं कि बढ़ते	कर्मचारियों की एक टीम को प्रशिक्षण
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दायरे बढ़ाना प्रमुख जिम्मेदारी थी।	प्रक्रियाओं के अनुसार मॉक टेस्टिंग
चिकित्सा शिक्षा मंत्री सुरेश खन्ना,	की और परीक्षण शुरू किया। प्रति
मुख्य सचिव के साथ हुई बैठक	दिन 50 नमूनों की परीक्षण क्षमता थी
में संस्थान में कोविड-19 परीक्षण	जो अब बढ़कर प्रति दिन 1200 तक
किए जाने की पेशकश की। इसकी	पहुंच गई है।

Published in:

Dainik Jagran

CSIR-IITR

25th August, 2020

ITR tests over 50K samples

PNS LUCKNOW

The Indian Institute of Toxicological Research (IITR), an ICMR and state approved COVID-19 testing facility since May 4, has accomplished a landmark of testing over 50,000 samples for coronavirus infection in the last 16 weeks to become the first CSIR lab in the country to reach this ty for COVID-19. The cell-culture facility of the institute was repurposed to BSL2+ laboratory to serve as COVID-19 testing facility," he said. He said IITR formulated standard operating procedure (SOP) and obtained approval from CSIR, ICMR and state authorities.

"A team of about 10 personnel had been imparted training by Department of Microbiology, King George's Medical University (KGMU) on biosafety measures, sample receiving, real time PCR based testing, data analysis and data reporting. They in turn trained the other staff of CSIR-IITR involved in institutional COVID-19 testing facility. Procurement of consumables such as testing kits, PPE, plastic ware were made at rapid pace. The scientists of CSIR-IITR standardised procedures, performed mock testing and initiated sample testing by themselves. Later the institute hired dedicated manpower to run the facility funded by the CSIR," Dhawan said.

He said that UP government provided full support by deputing a medical microbiologist and two technicians at the IITR COVID-19 testing facility. "Initially, the institute had testing capacity of 50 samples per day which is now ramped up to 1,200 samples per day. In a short span of less than four months, the IITR has reached a major landmark by finishing over 50,000 tests. The IITR is the first CSIR laboratory to reach this milestone. This was made possible only by the untiring and persistent efforts of numerous scientists, technical and various other staff, who have been working continuously for seven days a week. The IITR is also contributing in capacity building," he said. The IITR is providing training on various aspects of COVID-19 testing to staff of other CSIR labs and state medical colleges. "The IITR is committed to serve at its best capability during this crucial time of national crisis," Dhawan added.

milestone.

The IITR is receiving samples from various districts of Uttar Pradesh.

ITR Director Alok Dhawan said that while the COVID-19 cases were shooting up to an alarming stage during the second phase of Lockdown, as an emergency response, CSIR-IITR created a state-ofthe-art facility for COVID-19 testing as per national norms. "In a meeting with the chief secretary of UP government as well as Medical Education Minister Suresh Khanna, we apprised them of full preparedness for testing and assured support to the state to enhance the testing capaci-

Published in:

The Times of India

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