

CSIR in Media



News Bulletin
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CSIR labs played a key role during Cyclone Fani: DG

CSIR

20th May, 2019



‘It was a war-like situation and our labs helped in disaster management’

It was not just the Union Ministry of Earth Sciences and the Indian Meteorological Department (IMD) which played a key role in tackling the recent Cyclone Fani which hit Odisha, but several labs of the Council of Scientific and Industrial Research (CSIR) too pegged in. “The cyclone was very devastating and apart from predictions, and where it would hit, these were done fantastically. But, what do you do before and after it hits? This is where our institutions played a key role which has been missed by many,” said CSIR Director General Shekhar C. Mande on Friday.

It begins with vulnerable sections shifted to 200 sturdy cyclone shelters built by the CSIR’s Structural Engineering Research Centre (SERC) in Chennai and implemented by the Indian Red Cross which could house up to 4,000 people at a time and keep them safe.

After the cyclone passed, it left behind a trail of death and destruction and there were many people seeking potable water and food. Here too, the CSIR institutions contributed their mite. “The mobile water purification bus developed by Bhavnagar-based Central Salt and Marine Chemicals Research Institute (CSMCRI) housing a water purification and desalination system generating 4,000 litres per hour moved into all the affected villages,” he said. The water purification vehicle could purify any kind of contaminated water, including silt-laden left by floods, and brackish water along coastal areas to make it potable by removing viruses and bacteria, explained Mr. Mande.

Similarly, the Central Food Technological Research Institute (CFTRI), Mysuru, and the Institute of Himalayan Bioresource Technology (IHBT) too joined the relief and rehabilitation efforts in supplying lakhs of food packets which could be stable for some time.

“It was a war-like situation and our labs helped in disaster management,” added Dr. Mande.

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India adopts new standards for measuring units kilogram, kelvin, mole & ampere

CSIR-NPL

20th May, 2019



The purpose of a system units is to enable worldwide coherence of measurements.

With the definition of the 'kilogram' getting a global, technical makeover, textbooks — from those used in schools to ones recommended by engineering colleges in India — are set to undergo an update. Until Monday, the kilogram derived its provenance from the weight of a block of a platinum-iridium alloy housed at the International Bureau of Weights and Measures in France. All other prototypes that served as national reference standards, including the one at New Delhi's

CSIR-National Physical Laboratory (NPL), were calibrated to it. No longer. On May 20, the kilogram joined other standard units of measure such as the second, metre, ampere, Kelvin, mole and candela that would no longer be defined by physical objects.

The measures are all now defined on the basis of unchanging universal, physics constants. The kilogram now hinges on the definition of the Planck Constant, a constant of nature that relates to how matter releases energy. The CSIR-NPL, which is India's official reference keeper of units of measurements, on Monday, released a set of recommendations requiring that school textbooks, engineering-education books, and course curriculum update the definition of the kilogram. The institute is also in the process of making its own 'Kibble Balance', a device that was used to measure the Planck Constant and thereby reboot the kilogram, said Dinesh Aswal, Director of the NPL.

“We’ve already written to the NCERT and the AICTE to update the curriculum,” Dr. Aswal told *The Hindu*. “A Kibble Balance capable of measuring at least a kilogram takes about ₹50 crore to manufacture. So it’s still a work in progress,” he added.

An updated kilogram doesn’t mean that weights everywhere will be thrown off balance. For everyday measurements, consumers wanting to calibrate their instruments — whether it’s for high-precision drug manufacturing or retail weighing machines — will continue doing it the same way. The NPL itself will be relying on the kilogram maintained in the U.S.-based National Institutes of Standards and Technology to calibrate its one-kilogram weight.

“With our own Kibble Balance capable of measuring a kilogram, we can be fully independent,” Dr. Aswal said.

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CSIR-CSMCRI

20th May, 2019

અનન્ય ભેટ • ભાવનગરની સેન્ટ્રલ સોલ્ટ એન્ડ મરીન કેમીકલ્સ રિસર્ચ ઇન્સ્ટીટ્યુટની બસ ઓરિસ્સામાં દૈનિક 20 હજાર લીટર પાણી આપે છે

3000 પરિવારોને શુદ્ધ પાણી આપે છે બસ

ભાવનગર | 19 મે

દેશમાં જ્યાં-જ્યાં અને જ્યારે જ્યારે કુદરતી આફતો આવી પડે છે અને પીવાલાયક શુધ્ધ પાણીની અછત ઉભી થાય છે ત્યારે ભારતમાં એકમાત્ર ભાવનગરની સેન્ટ્રલ સોલ્ટ એન્ડ મરીન કેમીકલ્સ રિસર્ચ ઇન્સ્ટીટ્યુટ (CSMCRI) દ્વારા એક એવી હરતી-ફરતી જળ શુદ્ધિકરણ બસ બનાવી છે, જે રોજ 50 હજાર લિટર કોઈ પણ પ્રકારનું ગંદુ કે ખારું પાણી શુદ્ધ કરીને પીવા લાયક બનાવી દે છે. જેમાં આરઓ, ઈડી અને યુએફ જેવા પાણીને શુદ્ધ કરનારા એકમો બસમાં રાખવામાં આવ્યા છે. આ એકમને ચલાવવા માટે જરૂરી

વીજળી બસના એન્જિનથી જ પ્રાપ્ત થઈ જાય છે.

તાજેતરમાં સમગ્ર ઓરિસ્સાને પમરોળનાર કની વાવાઝોડાથી ઓરિસ્સાના મોટાભાગના વિસ્તારોમાં વિજળી વેરણ બની છે, પીવાના પાણીની ભારે તંગી ઉભી થઈ છે. આવા સમયમાં CSMCRIના ડાયરેક્ટર જનરલ ડૉ.રોષર મરિએ 4થી મેના રોજ બસને ઓરિસ્સા મોકલવા સુચના આપી. શુધ્ધ પાણીના પ્લાન્ટ સાથેની આ બસ 8મી મે એ કાકટપુર ગામે પહોંચી ગઈ હતી અને સતત 2 દિવસ સુધી 8થી 10 કલાક કામ કરી અને 20 હજાર લિટર પાણી 3000 પરિવારોને પુરૂ પાડ્યું હતું. હાલ આ



બસ પુરી જિલ્લાના બડાહાટ ગામે કાર્યરત છે.

સમગ્ર ભારતમાં આ પ્રકારની એકમાત્ર બસ આવેલી છે, જેમાં રિવર્સ ઓસ્મોસિસ (આરઓ), નેનોફિલ્ટ્રેશન (એનએફ) અને અલ્ટ્રાફિલ્ટ્રેશન (યુએફ) જેવા વિભાજન પ્રક્રિયાઓ સુરક્ષિત પીવાનું પાણી ઉત્પન્ન કરવા માટે અસરકારક ઉકેલ છે.

પાણીમાં રહેલા કઠિનતા, રોગકારક, દૂષણ, આર્સેનિક,

ફ્લોરાઈડ, જંતુનાશક પદાર્થો, રોગાણુ વગેરે જેવા હાનિકારક તત્વોને દૂર કરવામાં આવે છે.

ભારતમાં અનેક કંપનીઓ અશુધ્ધ પાણીમાંથી શુધ્ધ પાણીના RO પ્લાન્ટ બનાવતી હોવાના દાવા કરે છે. પરંતુ તેમાં યુ.એસ.એ.કે જાપાનની ટેકનોલોજી હોય છે. જ્યારે સમગ્ર ભારતમાં એક માત્ર ભાવનગરની સેન્ટ્રલ સોલ્ટ સંસ્થા કોમર્શિયલ રીતે સહતદરે આરઓ પ્લાન્ટ બનાવી રહી છે. સેન્ટ્રલ સોલ્ટ ખારા કે ભાંભરા પાણીમાંથી ઉત્તમ પીવાલાયક પાણી બની શકે તેવી વિશ્વસ્તરીય ટેકનોલોજી વિકસાવી છે. ખારા કે ભાંભરા પાણીને પીવાલાયક પાણીને રિવર્સ ઓસ્મોસિસ (RO)

પ્લાન્ટ ખરેખર RO પ્લાન્ટ નથી હોતા. અલ્ટ્રા ફિલ્ટ્રેશન મેથેઈન અથવા માઈક્રોફિલ્ટ્રેશન મેથેઈન ટેકનોલોજી હોય છે. જ્યારે કેમીકલ સંદર્ભિત કંપનીઓમાં નેનોફિલ્ટ્રેશન મેથેઈન (NF) ટેકનોલોજી વડે પાણી શુદ્ધ કરવામાં આવે છે.

ભારતમાં અનેક કંપનીઓ અશુધ્ધ પાણીમાંથી શુધ્ધ પાણીના RO પ્લાન્ટ બનાવતી હોવાના દાવા કરે છે. પરંતુ તેમાં યુ.એસ.એ.કે જાપાનની ટેકનોલોજી હોય છે. જ્યારે સમગ્ર ભારતમાં એક માત્ર ભાવનગરની સેન્ટ્રલ સોલ્ટ એન્ડ મરીન કેમીકલ્સ રિસર્ચ ઇન્સ્ટીટ્યુટ કોમર્શિયલ રીતે સહતદરે આરઓ પ્લાન્ટ બનાવી રહી છે.

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Science as saviour

CSIR-SERC

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Tackling the recent cyclone Fani has brought many laurels to the country and some valuable lessons. The robust demonstration of science and technology (S&T) behind all aspects of preparedness, and consequent administrative action to save people and property, has indeed been highly laudable. This has also brought our abilities to deal with natural calamities into sharp focus in the international arena. The accurate prediction of cyclonic storm, mapping its trajectory and predicting the likely affected areas with high accuracy have been possible through painstaking collection of meteorological data and its computational modelling.

Another important aspect of mitigating effects of a cyclonic storm is to facilitate and achieve the ability of mass movement of people to safer areas at a short notice. Typically, safer areas are made up of buildings or shelters, which are resistant to high winds, storm surges and rains and where the velocity of swirling winds gradually diminishes. Floods that accompany cyclonic storms in coastal areas are usually responsible for the majority loss of human lives. It is apparent that design of the shelter buildings should be such that they not only withstand high winds, but also storm surges and flooding. CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, pioneered the design of multi-purpose cyclone shelter in 1996-97. In the past, lack of appropriately designed buildings had been one of the factors causing high casualties. CSIR-SERC partnered with the Indian Red Cross Society to deploy the cyclone-resistant shelters across Odisha.

It is estimated that these shelters have saved lives of lakhs of people during cyclone Phailin in 2013, and recently during cyclone Fani. The “cyclone shelters”, designed by CSIR-SERC, are typically constructed on stilts keeping in view the floods accompanying the cyclonic storms. The buildings are rectangular structures, but rounded at the corners (aerodynamically shaped) with a view to achieving a smooth air flow (with reduced vortices) and thus enabling the buildings to withstand the intensity of the gusty winds. Moreover, the rooftops are also rounded, with upwards curving. Finally, the design of the buildings is tested in one of the most significant steps, which is to carry out the design in an Atmospheric Boundary Layer Wind Tunnel. The wind tunnel is a highly specialised facility available in only a few places in the country such as CSIR-SERC, Chennai, and IIT-Kanpur etc. It provides an opportunity to test a model building in simulated atmospheric wind flow conditions, where the model is subjected to various wind speeds, and many different parameters are monitored in order to estimate as well as minimise the wind-induced loading. These results also form the basis of developing guidelines for wind load evaluation to be adopted in the Indian Codes of Practice. Research has played a key role in saving lives of millions of people in cyclone Fani. All the scientific fraternity of the country—university researchers, IITs, IISc, India Meteorological Department and the national laboratories such as the CSIR—deserve applause. It is correctly said that scientific discoveries are made anywhere around the globe, but technological advances are made for the local needs. Challenges remain in other areas of tackling natural calamities, but considering the strength of scientific community in India across CSIR laboratories, universities and other academic institutions, and the creative technological solutions that they are capable of evolving, there is no doubt that these challenges will be handled effectively in future.

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[The New Indian Express](#)

CSIR-NML

18th May, 2019

एनएमएल में रक्तदान शिविर में 112 यूनिट रक्तदान



जमशेदपुर, 17 मई(रिपोर्टर): राष्ट्रीय व अंतर्राष्ट्रीय स्तर पर अनुसंधान व विकास के क्षेत्र में अपना अमिट छाप छोड़ने वाले सीएसआईआर एनएमएल के वैज्ञानिकों, तकनीकी शोधकर्ताओं, प्रशासनिक स्तर के कर्मचारियों, अस्थायी कर्मचारियों व उनके परिजनों ने रक्तदान के महत्व को समझते हुए सामाजिक जन कल्याण की दिशा में एक कदम आगे बढ़ाते हुए सीएसआईआर एनएमएल के निदेशक डा. इन्द्रनील चट्टोराज के दिशानिर्देश में एनएमएल स्टाफ क्लब की ओर से रक्तदान शिविर का

आयोजन किया गया. शुक्रवार को आयोजित स्वैच्छिक रक्तदान शिविर में 112 यूनिट रक्तदान किया.

सीएसआईआर एनएमएल के निदेशक डा. इन्द्रनील चट्टोराज के दिशानिर्देश में एनएमएल स्टाफ क्लब की ओर से रक्तदान शिविर का आयोजन किया गया. रक्तदान शिविर का उद्घाटन सीएसआईआर एनएमएल की प्रथम महिला सदस्य देबरी चट्टोराज ने रक्तदान शिविर का उद्घाटन किया.

इस मौके पर देबरी चट्टोराज ने कहा कि एनएमएल स्टाफ क्लब की ओर से सामाजिक क्षेत्र में किया

जा रहा यह प्रयास सराहनीय है. भविष्य में भी इस तरह के आयोजन किए जाने चाहिए. इस मौके पर प्रयोगशाला के निदेशक डा. इन्द्रनील चट्टोराज, वरिष्ठ वैज्ञानिक डा. अमिताभ मित्रा व सौमित्र तरफदार, प्रशासन नियंत्रक कौशिक भट्टाचार्य, वरिष्ठ सुरक्षा अधिकारी राजेश लाल, अनुभाग अधिकारी उत्तम कुमार झा, वित्त व लेखा अधिकारी अनुज मोहन प्रधान एनएमएल स्टाफ क्लब के परमार्थ सुमन, डा. जयंत कोनार, डा. मनोज एम हुमने, डा. अंजनी साहू आदि मौजूद थे.

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New Ispat Mail

Startup Window For FoodTech Held At CFTRI

CSIR-CFTRI

18th May, 2019



Mysuru: Silicon Road, Mysuru's foremost Accelerator for startups conducted 'The Startup Window' in collaboration with the Central Food Technological Research Institute (CFTRI) for enthusiasts of the food-tech industry, to propound a dialogue on the Food-tech ecosystem across India, and the globe. With an intent to bring about fresh perspectives to the Food Tech in India, the event proved to be a platform for SMEs, investors, mentors and budding entrepreneurs to offer insights on the future of food tech and avenues for exploring support for startups. The spectators comprised entrepreneurs in the city,

students, startup gurus, industry experts and aficionados of the food -technology industry to prompt informed discussions pertaining to models, technologies & trends in the industry the with food-tech as the core of discussion. Selected startups were allowed to pitch their startup ideas to the eminent panel and the audience to trigger a corporate-interactive session. The panel consisted of experts and industry leaders like Sid Mookerji, CEO-Silicon Road, Dr. KSMS Raghavarao, Director CSIR-CFTRI, Ramalingam, CEO-Nutriplanet Foods Pvt. Ltd and Bhaskar Kalale, President-India Operations, Theorem. The event was moderated by Sanjay Srinivasmurthy, Director & India Head, Silicon Road. The event predominantly aimed to offer clarity on the kind of opportunities evolving in the Food-tech industry: automation, farm-to-fork mechanisms, supply chain management, food-processing etc. to name a few, and to boost the entrepreneurial spirit amongst the youth of the city.

The startups that were selected to pitch at the session included Q-online, Atharva Plantations, Magnimous, Athelebit Healthcare, Potential Health Development (Ph.D) and Vegan Probiotics (Research) amongst the others, where the founders received rigorous feedback on their modus operandi. They were offered insights on not only the techniques of growth for Indian startups pertaining to food tech, but also an apparent view of the state-of-the-art techniques used elsewhere in the world that can be selectively induced during the growing stages of the respective startup.

Sid Mookerjee enlightened the audience about how Silicon Road seeks to fund companies that have good ideas, good teams, prior track records & experience, and product traction amongst the other variables.

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[Star of Mysore](#)

CSIR-IICT gets 'Kilo Lab' to scale up drug research

CSIR-IICT



Named after Padma Bhushan A.V. Rama Rao, it is a first such lab in public sector

A ₹10-crore Kilo Lab that would help scale up drug development research in a completely sanitised atmosphere, a first such facility in the public sector, was opened at the CSIR-Indian Institute of Chemical Technology (IICT) here on Friday. CSIR Director General Shekhar C. Mande threw open the lab named after Padma Bhushan A.V. Rama Rao, in the presence of IICT Director S. Chandrasekhar. The facility would be made available to start-ups and small and medium-scale firms for scaling up their research in a qualitative ambience without exposing scientists to toxic

18th May, 2019

chemicals, so that a highly pure form of chemical synthesis without impurities can be obtained for next-level clinical trials.

Dr. Mande called IICT a 'jewel' in the CSIR crown and hailed its contribution towards science and technology, both in basic research and taking its activities closer to people. He recalled the contributions made during Green Revolution and in bringing about generic drug revolution acting as a catalyst. The institute's transfer of technology of hydrazine hydrate to Gujarat Alkalis would alone save foreign exchange worth ₹500 crore, he said and called it the "most outstanding piece of work". All the CSIR labs have also been pooling in resources for a multi-disciplinary approach towards various research projects like the ongoing work on sickle cell anaemia, a raging problem among tribals. "We have eight verticals involved in fast-track processes and we have reoriented ourselves to be on a more firm footing to work in cohesion," Dr. Mande claimed. Chipping in, Dr. Chandrasekhar informed that for

Mission Pharma, the IICT is collaborating with eight other sister labs, while for Mission Agro, it is doing work in tandem with five labs. “The Kilo Lab will be playing a key role for the final chemical synthesis as we have the pilot plants here. Our DG is also giving a push to Mission Discovery to kickstart various research projects for discovering new compounds but halted for various reasons so that in five years, we will have something to show. The investigative drug applications is a part of it,” said the IICT Director.

The institute is also getting ready to transfer 15 improved and eco-friendly herbicides and pesticides to Indian firms as they are going off patents from multinationals by March 2021.

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[The Hindu](#)

आईसीटी के युग में सूचना और ज्ञान को मिली नई क्रांति: अग्रवाल

श्री सनातन धर्म प्रकाश चंद कन्या इंटर कॉलेज में सीबीआरआई ने आयोजित किया जागरूकता कार्यक्रम

रुड़की बट्टी विशाल। प्रदान की।
जिज्ञासा विद्यार्थी वैज्ञानिक
संयोजन कार्यक्रम के तहत
केंद्रीय भवन अनुसंधान संस्थान
रुड़की के वैज्ञानिकों ने विश्व
दूरसंचार और सूचना सोसायटी
दिवस 2019 के अवसर पर श्री
सनातन धर्म प्रकाश चंद कन्या
इंटर कॉलेज रुड़की में
जागरूकता कार्यक्रम का
आयोजन किया। कार्यक्रम के
दौरान सीबीआरआई के
वैज्ञानिकों ने कक्षाओं में जाकर
छात्राओं से वार्तालाप किया और
एक शिक्षक की भांति उन्हें
विज्ञान के तथ्यों और विज्ञान
के विभिन्न विषयों में किए जा
रहे नवीनतम कार्यों व
तकनीकियों के बारे में जानकारी



हम चाहते हैं वह सब आज सभी विद्यार्थी घर बैठे ही अपने
हमारी उँगलियों पर उपलब्ध पसंद के विषय में अपना ज्ञान क्षेत्र व अन्य सभी क्षेत्रों के
है। अब इस ज्ञान के खजाने आधार बढ़ा सकते हैं। पुस्तकें, उत्थान नवीन आईसीटी

को चाबी सही उपयोग करना विषय-विशेष वीडियो टेक्नोलॉजी तथा आर्टिफिशियल
आज के युवाओं के हाथों में व्याख्यान, विशेषज्ञों से इंटेलेजेंस, डाटा एनालिसिस,
है। इसका उपयोग करते हुए वार्तालाप आदि सब बहुत सिम्योरिटी, क्रिप्टोग्राफी आदि
सुविधाजनक तरीके में सभी के लिए में अध्ययन करने के लिए प्रेरित
उपलब्ध है। परन्तु किया। इससे पूर्व एसएसडीपीसी
दुःख की बात यह गल्स इंटर कॉलेज, रुड़की की
है कि इस सूचना के प्रधानाचार्या श्रीमती सीमा
समुद्र से ज्ञानवर्द्धक विश्वांई ने छात्राओं को
बार्त सीखने के स्थान सम्बोधित करते हुए उन्हें
पर युवाओं ने इसे सीबीआरआई के वैज्ञानिकों
समय की बर्बादी के साथ खुलकर वार्तालाप
और साइबर करने और अपने संशयों को
बदमाशी जैसे विनाश दूर करने हेतु उचित प्रश्न
का माध्यम बना पूछने के लिए प्रोत्साहित
दिया है। उन्होंने किया। इस अवसर पर श्री
उन्होंने छात्राओं को ऐसे ही निर्माण इंटर कॉलेज रुड़की की
छात्राओं को ऐसे ही निर्माण क्षेत्र व अन्य सभी क्षेत्रों के छात्राओं ने अपने शिक्षिकाओं
आधार बढ़ा सकते हैं। पुस्तकें, उत्थान नवीन आईसीटी के संग प्रतिभागिता की।

CSIR-IMTech signs MoU with ILBS for collaborative research

CSIR-IMTech

17th May, 2019



Chandigarh CSIR-IMTech has signed a Memorandum of Understanding (MOU) with the Institute of Liver and Biliary Sciences (ILBS), New Delhi for collaborative research on "Development of Gut Microbiome Consortia for management of Severe Alcoholic Hepatitis (SAH)"

The objective is to develop alternative microbial approaches to the currently used treatments for patients affected with Severe Alcoholic Hepatitis (SAH) liver ailments with human fecal matter transplant.

The collaborative institutes intend to explore the possibility of formulating minimal microbial consortia from healthy human poop, which can be administered easily for treating the SAH and other liver-related ailments.

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[Bio Spectrum](#)

स्वच्छता पखवाड़ा का समापन

उत्तर भारत लाइव ब्यूरो

uttarbharatlive.com

देहरादून। सीएसआईआर आईआईपी में पंद्रह दीवसीय स्वच्छता पखवाड़ा का समापन किया गया। पेयजल और स्वच्छता मंत्रालय द्वारा जारी किए गए स्वच्छता पखवाड़ा कैलेंडर आईआईपी में स्वच्छता पखवाड़ा मनाया गया। इस इस संबंध में डा. अंजन रे निदेशक सीएसआईआर आईआईपी के मार्गदर्शन में कार्यालय दूरस्त भवनों आईआईपी कैंटीन, गेस्ट हाउस और आवासीय कॉलोनी के साथ-साथ पास के वन क्षेत्र में एक स्वच्छता अभियान का आयोजन करने का निर्णय लिया गया था। इस दौरान कर्मचारियों, छात्रों और कॉलोनी निवासियों, बच्चों को



प्रोत्साहित करने और संस्थान को सबसे स्वच्छ स्थानों में से एक बनाने के लिए अपील की गई थी जिसे स्थानीय संस्थाओं समुदायों और समाज के लिए एक उदाहरण के रूप में प्रदर्शित किया जा सके। समापन अवसर पर डा. रे ने स्वच्छता के सफल अभियान पर खुशी प्रकट कर इसे अनुशासन से

जोड़ते हुए सभी से प्रति दिन का हिस्सा बनाने का आह्वान किया।

स्वच्छता पखवाड़ा का समन्वय डा. डी सी पांडे और डा. सुमन लता जैन ने किया। इस अवसर पर संस्थान के अमर जैन, प्रमुख वैज्ञानिक, जसवंत राय प्रशासनिक नियंत्रक सहित संस्थान के अन्य कर्मचारी उपस्थित रहे इस।

Published in:

Uttar Bharat

स्वच्छता पखवाड़ा हुआ संपन्न

- कार्यालय और आवासीय क्षेत्रों के परिसर आदि स्थानों पर प्रतिदिन चलाया सफाई अभियान

भास्कर समाचार सेवा

रुड़की। केन्द्रीय भवन अनुसंधान संस्थान, रुड़की में मनाये जा रहे स्वच्छता पखवाड़े का समापन हो गया। संस्थान के सूचना अधिकारी डॉ. अतुल अग्रवाल ने बताया कि पखवाड़े का उद्देश्य प्रतिदिन विस्तृत स्वच्छता कार्यक्रमों व गतिविधियों एवं सभी अनुभागों की समग्र स्वच्छता द्वारा सभी को स्वच्छता के महत्व पर जागरूक करना था। संस्थान के निदेशक डॉ. एन गोपालकृष्णन की अध्यक्षता में 'स्वच्छता शपथ' के साथ पखवाड़े का शुभारंभ हुआ तथा पर्यावरण को स्वच्छ रखने के संदेश के साथ 'स्वच्छ पर्यावरण' कार्यक्रम के अंतर्गत संस्थान परिसर में पौधारोपण किया गया। स्वच्छता पखवाड़े के दौरान 'स्वच्छ परिसर' कार्यक्रम के अंतर्गत संस्थान में प्रतिदिन सफाई की गई। कार्यालय और आवासीय क्षेत्रों में परिसर, उद्यान, शॉपिंग कॉम्प्लेक्स, फर्श,



पंखे, दरवाजे, खिड़की, परदे आदि सभी की सफाई और मरम्मत की गई। सभी क्षेत्रों में कीट नियंत्रण और फॉगिंग का कार्य भी किया गया।

आरोग्य जीवन हेतु जल और भोजन मंश स्वच्छता के महत्व को ध्यान में रहते हुए 'स्वच्छ नीर' कार्यक्रम के तहत संस्थान, आवास, स्कूल और अस्पताल में पेयजल फिल्टर, नल, टैंक आदि सभी जल अधिष्ठापनों की गहन सफाई की गई और 'स्वच्छ आहार' कार्यक्रम के अंतर्गत संस्थान में कार्यालय और अतिथि गृह के कैटीन तथा भोजनालयों का निरीक्षण कर सभी

को स्वच्छ और पौष्टिक आहार का सेवन, प्लास्टिक पर प्रतिबंध और कूड़ेदान के उपयोग पर विशेष संदेश दिया गया।

पखवाड़े के दौरान 'स्वच्छ भविष्य' कार्यक्रम के अंतर्गत डॉ. अतुल अग्रवाल के संयोजन में संस्थान के वैज्ञानिकों की टीम ने विभिन्न स्कूलों में स्वच्छता के प्रति जागरूकता बढ़ाने हेतु व्याख्यान भी प्रस्तुत किए।

पखवाड़े के दौरान प्रतिदिन 'स्वच्छता जागरूकता' कार्यक्रम के अंतर्गत डिजिटल संदेश, बैनर्स आदि द्वारा स्वच्छता के संदेश का प्रसार किया गया।

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