

# CSIR in Media



**A Daily News Bulletin**  
**9<sup>th</sup> - 10<sup>th</sup> February 2017**

## NIO to map A.P. coastline from April 1

CSIR-NIO

8<sup>th</sup> February 2017

The National Institute of Oceanography (NIO), one of the 38 research laboratories under the Council of Scientific and Industrial Research, will undertake a project in mission mode to map the coastline of Andhra Pradesh and other maritime States to identify highly vulnerable areas.

In the first phase, mapping of 974-km coastline of AP, the second largest after Gujarat, will be undertaken from April 1. “We will deploy special teams dedicated to mapping at various places and grade the beachfront based on their vulnerability,” Dona Paula (Goa) headquartered NIO’s acting director S. Prasanna Kumar told The Hindu in an exclusive interview on Wednesday.

He said they would identify hotspots – highly vulnerable areas and submit recommendations to the authorities not to take up any construction activity in those locations. The special stations would be located in Andhra Pradesh, Tamil Nadu and Odisha in the first phase with trained manpower.

### High-tech instruments

Dr. Prasanna Kumar said they would deploy high-tech instruments for wave and current measurements. The concentration of pollution would also be estimated. The entire study would be taken up in collaboration with educational institutions like Andhra University and IITs.

He said NIO had decided to launch four missions out of which the beachfront study was one of the focus areas. The other missions include studies on coastal processes, geo resources, role of oceans and climate change and monsoon, scientific understanding and identification of reasons for fishery resources depletion.

### **Niti Aayog promises funds**

Niti Aayog has promised to allocate funds. In all, CSIR will launch 15 missions from the new financial year.

Dr. Prasanna Kumar said the initial phase of the beachfront study would continue for three years. Later it would be extended to all the maritime States for another four years.

He said Prime Minister Narendra Modi has laid emphasis for research on ocean sciences following the decision to develop a blue economy.

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[The Hindu](#)

## Scientists concerned over changing beach morphology

CSIR-NIO

9<sup>th</sup> February 2017

**‘Alarming rise in massive constructions all along the coastline’**



Andhra University Vice-Chancellor G. Nageswara Rao presenting a copy of the souvenir after releasing it to NSTL director P. Nandagopan at the inaugural of a workshop organised by the National Institute of Oceanography in Visakhapatnam on Wednesday. NIO acting director S. Prasanna Kumar and Visakhapatnam regional centre in-charge V.S.N. Murthy are seen. | Photo Credit: [C.V.Subrahmanyam](#)

Experts from across the country have expressed serious concern over changing beach morphology due to alarming rise in massive constructions all along the coastline.

At a one-day workshop organised by CSIR-National Institute of Oceanography here on Wednesday, the experts underlined the need for more studies on coastal processes and beach erosion in various States.

The workshop was inaugurated by Andhra University Vice-Chancellor G. Nageswara Rao, who called for measures to prevent beach erosion.

NSTL Director P. Nandagopan and CSIR-NIO acting director S. Prasanna Kumar, in their speeches, said that for achieving a blue economy, ocean research would play a key role. NIO scientist in-charge of Visakhapatnam Regional Centre V.S.N. Murthy gave an overview of the workshop.

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## Aerosol concentration

NIO senior principal scientist V.V.S.N. Murthy spoke on aerosol composition and observed that Visakhapatnam had exceptionally high concentration of aerosol composition compared to other cities, except Kolkata, due to location of large number of industries in a bowl-shaped topography.

He said studies confirmed that atmospheric inversions and ageing of dust over Visakhapatnam.

Retired scientist of NIO K.S.R. Murthy said the Central Pollution Control Board had set up a five-member committee to prepare cumulative environment index of Visakhapatnam after withdrawing moratorium imposed on Greenfield and Brownfield industrial projects.

## Rise in sea level

Noted ocean scientist A.S. Unnikrishnan said global sea level rise trends during 1992-2016 had revealed rise in sea level by 3.4 mm per year on an average. He said that processes of sea were changing due to land movements, alterations in ocean density, circulation and distribution of mass on earth.

Workshop co-convener G.P.S. Murthy spoke.

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[The Hindu](#)

## India pharma exports may see near double-digit growth in FY17: Official

CSIR-IICT

8<sup>th</sup> February 2017

Indian pharma exports in the current financial year may see a near double-digit growth and might end up on the lines with that of last year, a senior Ministry of Commerce and Industry official said here today.

"Pharma exports have done better than many sectorial exports and we are in near double digit growth. Last month, growth has also been good it is about 8 per cent. So I see that despite overall contraction and slowdown, pharma exports doing relatively better. I don't think that it (double digit growth) would be possible," Sudhanshu Pandey, Joint Secretary, Commerce Ministry told reporters on the sidelines of BioAsia- 2017, when asked if the exports would see double digit growth this year.

"We should be some way between 8 to 10 per cent. That is what is the anticipation," he

Indian Pharma exports stood at \$16.9 billion in the last financial year, growing at 9.44 per cent with \$5.7 billion to USA and \$3.3 billion to Africa, as per the statistics supplied by Pharmexcil. The exports stood at \$15.4 billion in 2014-15.

Pandey said there may not be much impact of Brexit on pharma exports in either Britain or Europe as the situation has stabilised with regard to exports to those geographies.

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"You have already seen impact on the exports but now exports have in fact stabilised and there is growth in the last month. So I think the trend would be in that direction," he said.

Replying to query, he said Indian Institutes of Chemical Technology (IICT) will offer space to industry either for setting up a startup incubator or for research purpose.

According to Pandey, NITI Aayog is working on model wherein the government will be able to invest in some of the risk oriented research programmes.

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**Published in:**

**[Economic Times](#)**

## Pharma incubators at state-owned research institutions soon

CSIR-IICT

10<sup>th</sup> February 2017

India is actively looking at setting-up incubators at state-owned research institutions to encourage drug manufacturers to collaborate with research institutions for joint research and innovation, said a senior bureaucrat of the Union commerce ministry.

Disclosing this at BIO Asia International 2017 in Hyderabad on Wednesday, Union commerce joint secretary Sudhanshu Pandey, also said that the Union government plans to set-up a venture-capital fund to encourage investments into pharmaceuticals sector.

"The government will allow the pharma companies to use the premises of Indian Institute of Chemical Technology (IICT) to set up their incubator or construct a new one, apart from collaborating on developing products according to the requirement of the masses," said Pandey, adding that 7-8 drug firms have already approached the government evincing their interest for collaboration with central research institutions.

Though a proposal on the venture-capital fund was pending with the government for the past few years, success of similar initiatives of late have led to a revival of the idea. "The success of Skill India and similar initiatives have made the environment conducive for setting this venture capital fund," said Pandey.





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The government proposes to encourage collaboration of drug companies with research institutions beginning with IICT to expand it to other Council of Scientific and Industrial Research (CSIR) institutions.

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[TOI](#)

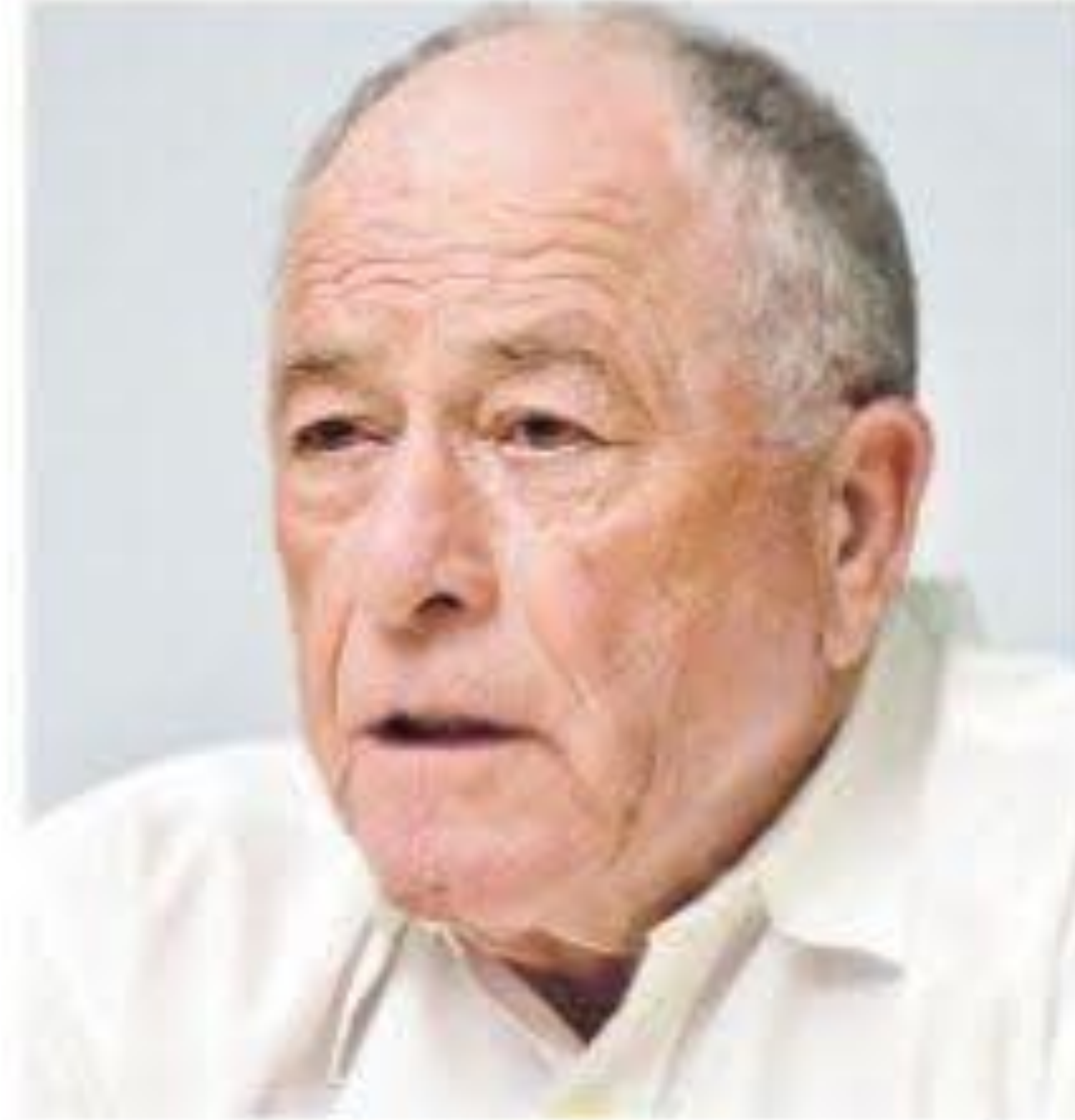
Lab Covered: CSIR-IICT

9<sup>th</sup> February 2017

## ఇక మందుల సైడ్ ఎఫెక్ట్స్ కు చెక్!

పరిశోధనలు జరుగుతున్నాయన్న నోబెల్ అవార్డు గ్రహీత కర్ట్ వుట్రిచ్

సాక్షి, హైదరాబాద్ రోగానికి ఒక మందు.. దాని సైడ్ ఎఫెక్ట్స్ కోసం మరికొన్ని మాత్రలు.. ఇదీ నేటి వైద్యం పరిస్థితి! ఇది ఇంకెంతో కాలం ఉండదంటున్నారు నోబెల్ అవార్డు గ్రహీత డాక్టర్ కర్ట్ వుట్రిచ్. బుధవారం సెంటర్ ఫర్ సెల్యులార్ అండ్ మాలిక్యులర్ బయాలజీ (సీసీఎంబీ)లో ఆయన మాట్లాడుతూ.. న్యూక్లియర్ మాగ్నెటిక్ రెసొనెన్స్ స్పెక్ట్రోస్కోపీ పద్ధతిని ఉపయోగించి ఈ ప్రాటీన్ల నిర్మాణాన్ని అర్థం చేసుకునేందుకు పరిశోధనలు చేస్తున్నామని, తద్వారా సమీప భవిష్యత్తులోనే మందుల సైడ్ ఎఫెక్ట్స్ తగ్గించవచ్చునని చెప్పారు. దీనిద్వారా వ్యక్తులను బట్టి మందులను సిద్ధం చేసేందుకు అవకాశాలు ఏర్పడతాయన్నారు. ఇక్కడ నైపుణ్యానికి కొరత లేదని పేర్కొన్నారు. ప్రపంచ జెనరిక్



మందుల రాజధానిగా భారత్ పేరు గడించడం మంచిదేనని, ఖరీదైన మందులను సామాన్యుల చెంతకు చేర్చేందుకు ఇది ఎంతో ఉపయోగపడిందని చెప్పారు.

**Published in:**

**Sakshi**

Lab Covered: CSIR-IICT

9<sup>th</sup> February 2017



सीएसआईआर के प्लैटिनम जुबली समारोह के अंतर्गत आयोजित समारोह में नगर में स्थित आईआईसीटी एवं सीसीएमबी परिसर के दौरे के पश्चात उपस्थित वैज्ञानिकों को संबोधित करते हुए नोबेल पुरस्कार विजेता प्रो. कर्ट बुदरिच।

**Published in:**

**Hindi Milap**

## Research on to produce 'personalised medicine': Nobel laureate

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*Lab Covered: CSIR-CCMB*

*8<sup>th</sup> February 2017*

Active research is going on towards the goal of producing 'personalised medicine' broadly to see that unsuitable drugs are not consumed by patients, Kurt Wuthrich, a Nobel laureate, said here today.

"...From my viewpoint, it would be much more important to identify those who should not be given a particular drug.

There are so many drug candidates that have to be thrown out," he told reporters at the CSIR-Centre for Cellular and Molecular Biology (CCMB) here.

Certain drugs, including some very popular, had to be taken out from markets, he said.

Wuthrich was awarded Nobel in chemistry "for his development of nuclear magnetic resonance spectroscopy for determining the three-dimensional structure of biological macromolecules in solution" in 2002, the CCMB said.

'Personalised medicine' is an active area of research as response of patients would be different to drugs due to genetic differences, CCMB Director Rakesh K Mishra said.

"We have genetic variation in the population. Some individuals have different sequence in which proteins or any drug target is behaving differently. That's why people are now interested in sequencing the genomes and relating to the drug response and then able to tell that this population will respond to the drug and that population will not respond to the drug," he said.

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There are psychiatric drugs or cancer drugs that respond only to 50 per cent or 60 per cent population, Mishra said.

"That (differences in drug response) is because genetic differences exist. So, personalised medicine is a very active area of research where after some years you will go with your genome card for your medicine like your identity card," he said.

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**Published in:**

[DNA](#)

**Also Published in:**

[The Hindu](#) [Telangana Today](#)

## NEERI asked to study river pollution one more time

*Lab Covered: CSIR-NEERI*

*9<sup>th</sup> February 2017*

The Bombay high court has appointed National Environmental Engineering Research Institute (NEERI) yet again to study and suggest long-term and immediate solutions to tide over the pollution of Godavari after Kumbh Mela.

It directed the state government to take a final decision on India Bulls with respect to lifting of treated water from sewage treatment plant (STP) before December 11.

Rajesh Pandit had filed a public interest litigation (PIL) against government officials for being responsible for the pollution. Last month, a bench of Justice V L Achliya and Justice A S Oka heard the case. The court's order was uploaded on its website on Tuesday afternoon.

"The government pleader had sought an extension of time by five weeks to comply with the directions in the order dated September 11. According to it, the state government was to decide from where India Bulls is to lift water. At present, India Bulls is lifting water from Odha, a few kilometres from the sewage treatment plant (STP) at Tapovan. They should be lifting water from the outlet of the STP," said Pravarthak Pathak, a lawyer of the petitioners.

The high court directed the state government to take a decision in terms of the said order on or before December 11 and that no further extension would be granted.

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Observing that that there was a letter dated September 5 addressed by the executive engineer, irrigation division to the district collector requesting him to release water from Gangapur dam for the purpose of cleaning and washing away the dirt created by Kumbh Mela in River Godavari, the court noted that a lot of dirt must have been created during the religious congregation.

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**Published in:**

[TOI](#)

## CSIR-CMERI is set to develop small Tractor costing less than Rs 1 Lakh

Lab Covered: CSIR-CMERI

8<sup>th</sup> February 2017

**सीएमईआरआई, दुर्गापुर में आईएस के प्रशिक्षु कैडरों के दल का दौरा**

**बनायेंगे एक लाख से कम का ट्रैक्टर : डॉ हिरानी**

दुर्गापुर, 7 फरवरी। सीएमईआरआई-सीएमईआरआई, दुर्गापुर के निदेशक प्रो. (डॉ) हरीश हिरानी ने अठारह (18) भारतीय प्रशासनिक सेवा (आईएस) के प्रशिक्षु अधिकारियों की एक टीम की मेजबानी की, जो मंगलवार को भारत दर्शन दौरे पर आये हैं।

डॉ हरीश हिरानी ने मूल्य आधारित वैज्ञानिक जिज्ञासा को प्रेरित करने के लिए इंटरैक्टिव सत्र के दौरान उनका हौसला बढ़ाया। सीएमईआरआई-सीएमईआरआई, दुर्गापुर के सबसे महत्वपूर्ण योगदान में से एक सोनालिका और स्वराज ट्रेक्टरों के सामाजिक प्रभाव है, जो विशेष रूप से कृषि आबादी के लिए है। यह और अभिनव उत्कृष्टता के कई अन्य इस तरह के मामलों को डॉ हिरानी की उपस्थिति में देश के भविष्य प्रशासकों के लिए प्रदर्शित किया जा चुका है। डॉ हरीश हिरानी ने 'सस्टेनेबल डेवलपमेंट' की जरूरत पर बल दिया और इस आदर्श को आगे बढ़ाने के लिए युवा और स्फूर्त आईएस अधिकारियों का आह्वान किया। उन्होंने भारतीय कार्यबल का काम नैतिकता में 'प्रगतिशील विकास' को आत्मसात करने के लिए अपनी ड्रिम पर बल दिया। डॉ हिरानी ने एक ट्रैक्टर को विकसित करने हेतु अपने भविष्य

सोलर ट्री के पास आईएस प्रशिक्षुओं के साथ खड़े संस्थान के निदेशक व अन्य वैज्ञानिक तथा इनसेट में डॉ हिरानी

के लक्ष्य पर प्रकाश डाला, जिसकी कीमत 1 लाख रुपये से भी कम होगी।

ठोस अपशिष्ट प्रबंधन और सौर ट्री, डॉ हिरानी के भाषण के अन्य मुख्य पहलू थे, जिसे उन्होंने एक स्वच्छ और हरित ऊर्जा के लिए विशेष रूप से चुना है। समाज के लिए उनके शानदार योगदान के लिए डॉ हिरानी ने वर्तमान आईएस प्रशिक्षु अधिकारियों और उनकी टीम की अत्यधिक सराहना की। इंटरैक्टिव सत्र के दौरान आईएस प्रशिक्षुओं द्वारा भारतीय

वैज्ञानिक समाज के भविष्य के बारे में डॉ हिरानी से पूछे जाने पर उन्होंने कहा कि हम राष्ट्र के वैज्ञानिक विकास में आत्मनिर्भरता की दिशा में प्रगति कर रहे हैं और हम जल्द ही अन्य विकसित देशों के बराबर होंगे। एक अन्य आईएस प्रशिक्षु ने आर्सेनिक, आयरन और फल-पराइड हटाने से पौधों के सामाजिक प्रभाव के बारे में डॉ हिरानी से जानना चाहा, तब उन्होंने कहा कि ये पौधों को आम जल जनित स्वास्थ्य समस्याओं के उन्मूलन में एक महत्वपूर्ण तरीके से मदद करता है, विशेष कर ग्रामीण क्षेत्रों में। डॉ हिरानी ने अन्य अपेक्षित ग्रामीण क्षेत्रों में जल शोधन संयंत्र की पहुंच का प्रसार करने के लिए अपनी योजना पर ध्यान केंद्रित किया। भारतीय प्रशासनिक सेवा के प्रशिक्षु अधिकारियों ने संस्थान के कुछ शोध प्रयोगशालाओं का दौरा किया तथा प्रयोगशालाओं के संबंधित वैज्ञानिकों के साथ बातचीत की, जिसमें 'रोबोटिक्स एंड ऑटोमेशन', 'सरफेस रोबोटिक्स', 'माइक्रो सिस्टम्स टेक्नोलॉजी', 'वाटर प्यूरिफिकेशन टेक्नोलॉजी',

'सरफेस इंजीनियरिंग एंड ट्राइबोलॉजी', आदि शामिल थे। बड़े पैमाने पर उत्थान और आम जनता के सशक्तिकरण की दिशा में उनके अथक प्रयासों को ध्यान केंद्रित करने के बाद डॉ हरीश हिरानी ने आईएस प्रशिक्षुओं प्रेरणादायक उनके प्रशासनिक कौशल के स्पेक्ट्रम को व्यापक करने के लिए बढ़ावा देकर कार्यक्रम सम्पन्न होने की घोषणा की।

**नेपाली पाठ प्रतिभा**

**नेपालीपाड़ा स्कूल को**

दुर्गापुर, 7 फरवरी। नेपालीपाड़ा स्कूल के वार्षिक रंगमंच सांस्कृतिक अवार्ड आयोजित किया गया। दुर्गापुर महकमा शासक शंख कार्यक्रम के दौरान शंख स एक्सलेंस अवार्ड प्रतियोगिता जिले में दूसरा स्थान मिला। प्रधानाध्यापक डॉक्टर कलामूल गवं महमूस कर रहे हैं। उन्होंने प्रधान अध्यापक के बेहतर प्र है।

Published in:

Bharatmitra, Kolkata



## CMERI distributed prizes to the tournament participants!

Lab Covered: CSIR-CMERI

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**Published in:**

**Bharatmitra, Kolkata**