

CSIR in Media



A Daily News Bulletin
1st February 2017

Karnataka Government ropes in NAL, Ramaiah Varsity for Aerospace Centre

CSIR-NAL

1st February 2017

The state government is partnering with the National Aerospace Laboratories (NAL) and MS Ramaiah University of Applied Sciences to set up the Karnataka Aerospace Technology Innovation Centre, a flagship initiative touted to boost research in the sector. A brainchild of the industries and commerce department, this is the first-of-its-kind attempt to bring industry and academia together in the aerospace sector in Karnataka, which faces stiff competition from neighbours.

“The idea is to identify technologies that can be hived off for commercial production to benefit small and medium enterprises in and around Bengaluru,” Commissioner for Industrial Development Gaurav Gupta told ET. The idea is also to allow larger defence PSUs such as the DRDO, HAL and BEL to look at the facility for product development.

“We're most likely to go ahead with it because we want some form of academic hand-holding. So then we'll have a research and development unit anchored by NAL, academics, industry participation and the government -all working to boost a lot of new things that can happen in the sector,” Gupta said. The MS Ramaiah University has offered to provide space for the fered to provide space for the Karnataka Aerospace Technology Innovation Centre on its Peenya campus.

“We will give 1,300 sqft of office space for the centre on our campus,” vice-chancellor SR Shankapal said. The university wants to create an incubation centre to give its students exposure to the aerospace industry , he added. The university currently offers B Tech in aerospace engineering and M Tech in aircraft design engineering.

Eventually , the centre will move to the Bengaluru Aerospace Park, a 950acre parcel of land at Singahalli behind the Kempegowda International Airport. WiproBSE -0.40 % Aerospace, Thyssenkrupp Aerospace and Starragheckert have started functioning there. The government has been trying to position Bengaluru as India's aerospace capital, citing the presence of Boeing, Airbus among other key players in the city.

G Raj Narayan, MD at Radel Advanced Technology , was cynical. Narayan, who was part of a 4-member team that built India's first indigenous cockpit simulator, pointed out that the project would add little value without the involvement of the HAL and the Indian Institute of Science. “As of now, the entire domain expertise lies within HAL and the IISc has been catering to the aerospace industry for many decades,” he said.

Published in:

Economic Times,

Source: bit.ly/2jVSlnd

Cops to rope in CRRI for fresh study on Delhi's 'killer spots'

Lab Covered: CSIR-CRRI

30th January 2017

Vatsala Shrangi

Department identifies 50 such places in the Capital where three or more fatal accidents or 10 or more non-fatal accidents occur ever year

Alarmed by the high incidence of fatalities on the same spots on roads every year, the Delhi Traffic Police plan to get a fresh study of "killer spots" conducted this year. The police will ask the Central Road Research Institute (CRRI) to study these spots and suggest corrective measures in order to reduce the number of accidents taking place on these stretches.

So far, the police have identified nearly 50 such 'black spots' — places where three or more fatal accidents or 10 or more non-fatal accidents occur ever year — in the Capital.

Most of these spots are around flyovers, at major intersections and on wide roads. According to the data available with the police, the top spots include Mahipalpur flyover, NH-8, Sanjay T-point near Aerocity, Dhaula Kuan road, Kashmere Gate ISBT, Nigam Bodh Ghat, Punjabi Bagh Chowk, Britannia Chowk, and Sarai Kale Khan.

"We have identified over 50 accident-prone spots. Of these, at least 10 have been found to remain the same over the years, resulting in more than three fatal accidents every year. For instance, the eight-lane Dhaula Kuan road has frequent accidents, as motorists tend to over-speed and lose control over vehicles. More pedestrian deaths have been reported on such stretches," a senior officer said.

The pedestrians attempting to cross the eight-lane road have higher chances of being hit by speeding vehicles. While road design is one of the aspects, which could be rectified with engineering, others are speeding and changing lanes without giving indicators, he added.

Also, lane violation by heavy duty commercial vehicles has contributed to a number of fatalities. "Trucks and other commercial vehicles, such as buses and Gramin Sewas, do not stick to lanes. Heavy vehicles must ply on the leftmost side of the road. Merging of these vehicles with light-weight vehicles in the traffic movement increases the risk of accidents," the officer said.

Last year, the traffic police had written to the Transport Department to take action against the Delhi Transport Corporation (DTC) drivers who repeatedly violated the lane discipline. The department now plans to conduct regular drives to check lane violation and over-speeding.

"Most accidents have been reported to occur between 11 pm and 4 am. The early hours are the most important when drivers often tend to over-speed, thinking that the road is a freeway," he said.

Walk with caution

Traffic police's annual report on road accidents states that the number of pedestrians killed in road accidents in 2016 was higher than the other road users.

Report says pedestrians accounted for 42% of total deaths on city roads in 2016.

A total of 6,830 accidents occurred last year, in which 1,415 persons were killed. Of them, 600 were pedestrians while 550 were two-wheeler riders.

In 2015, of the total 1,622 persons killed, 684 were pedestrians.

Published in:

DNA, Source: bit.ly/2kg15mV

CSIR Labs Join Hands To Stop Food Wastage

CSIR

31st January 2017

India wastes up to 67 million tonnes of food every year. This food is more than the national output of countries like Britain and enough to feed one of country's larger states for a whole year. According to Central Institute of Post-Harvest Engineering and Technology (CIPHET), a harvest-research body, the value of food lost annually is about Rs 92,000 crore.

Seven laboratories of CSIR have come together to work in a mission mode in three focus areas—milk and beverages, edible oils and food storage. The food safety mission, called FOCUS, aims to bring together industry giants like Amul, ITC and FCI on board to create a robust system and translate science into the best practices. Clear and consistent food regulatory policy and their implementation are both imperative for growth, says senior scientist Prof Arun Tiwari who is associated with the food safety mission.

According to CIPHET study, one million tonne of onions vanish on their way from farms to markets and about 2.2 million tonne tomatoes also vanish and overall, five million eggs crack or go bad due to lack of cold storage. The study recommends farm training and cold-storage investments.

"Scientists from different disciplines, for example, physics, chemistry, economics, psychology, biology, have got the opportunity to use their collective wisdom in this crucial mission to tackle food safety and adulteration," says Dr Girish Sahni, Director General, CSIR.

India is frontrunner in nuclear science and technology and yet the issue of food irradiation lingered at the cost of enormous quantities of fruits and vegetables perishing in supply chains. Irradiation is a well-established process of exposing foodstuffs to ionizing radiation. Department of Atomic Energy has recently appointed former chairman of Electronics Corporation of India, P Sudhakar, to head its outreach program and use this and other nuclear technologies for the benefit of both producers and consumers of food.

CSIR has come out with an accurate, portable test kit to test milk for adulteration. Also, a scanner "Ksheer Scanner" has been developed which can detect adulteration in milk in 40 seconds, and pinpoint the adulterant. The scanner is priced at about Rs 10,000, and each test would cost just around 10 paisa.

Published in:

Millennium Post, Source: bit.ly/2jpAzdH

Lab Covered: CSIR-CIMAP

1st February 2017

सीमैप के किसान मेले में बोले प्रो. अरुण तिवारी 'किसानों ने खेती छोड़ी तो भुखमरी तय'

■ एनबीटी सं., लखनऊ

देश में भुखमरी जैसे हालत रोकने हैं तो किसानों को खेती से जोड़े रखना होगा। वैज्ञानिकों और सरकार के लिए भी यह बड़ा टास्क है। इसके लिए पुराने ढर्रे से बाहर निकलना होगा। किसानों को फसल की सही कीमत दिलानी होगी। यह बात मंगलवार को लखनऊ में सीमैप में हुए किसान मेले में (डीआरडीओ) के पूर्व वैज्ञानिक प्रो. अरुण तिवारी ने कही।

प्रो. तिवारी ने कहा कि दुनियाभर में हर्बल उत्पादों की मांग है। किसानों को फायदा दिलाना है तो जर्मेनियम, पायरेथ्रिन, कैट मिंट जैसे सगंध और औषधीय पौधों की खेती शुरू करानी होगी। हम औषधीय उपयोग की फसलों को उत्पादन के बाद राँ



सीमैप में मंगलवार को आयोजित किसान मेले में शामिल हुए वैज्ञानिक।

मटीरियल के रूप में बेचते हैं। उसकी प्रॉसेसिंग पर जोर नहीं देते, जिससे किसानों और इंडस्ट्री दोनों को नुकसान होता है। कार्यक्रम में सीमैप के निदेशक डॉ. अनिल कुमार त्रिपाठी, एनबीआरआई के निदेशक डॉ. एसके बारिक और आईआईटीआर के निदेशक डॉ. आलोक धवन भी कार्यक्रम में मौजूद रहे।

कार्यक्रम में मौजूद कृषि उत्पादन

आयुक्त प्रदीप भटनागर ने कहा कि हल्दी जैसे उत्पाद अमेरिका, यूरोप में डिमांड में हैं। वहां हल्दी की टैबलेट बनाकर बेची जा रही हैं। डायबिटीज में चीनी का विकल्प स्टीविया, हाइपरटेंशन में गुड़हल की चाय, कब्ज में ईसबगोल का उपयोग वैज्ञानिक रूप से साबित होने के बाद इन पौधों का व्यावसायिक रूप से उत्पादन बढ़ना चाहिए।

Published in:

Navbharat Times, Page 1

Lab Covered: CSIR-CMERI

30th January 2017

शोध-विकास में सीएमआरआई अहम्: डा. संघमित्रा

- विकसित राष्ट्र निर्माण में वैज्ञानिक लीन: डा. हिरानी
- संस्थान की प्रौद्योगिकी राष्ट्र को समर्पित
- बर्दवान जिला का प्रथम डिजिटल संस्थान बना सीएमआईआई

दुर्गापुर। आज का दिवस सीएसआईआर-सीएमआईआई के स्वर्णिम अध्याय में सदैव स्वर्णाक्षरों में अंकित रहेगा। लगभग 80 एकड़ भू-भाग पर फैली प्रयोगशाला की सुरक्षा के लिए संस्थान के प्रवेश-निकास समेत सभी महत्वपूर्ण स्थानों व विभागों को सीसीटीवी कैमरे से लैस किये गये हैं, वहीं पूरी प्रयोगशाला वाई-फाई प्रणाली से युक्त है। नववर्ष की सौगात के तौर पर संस्थान के वैज्ञानिक ने ई-डाक प्रवाचार किबस्क को विकसित किया है, जो सुदूर ग्राम में निवास करने वाले लोगों के लिए अत्यंत लाभदायी है। सीएमआईआई के नये वेबसाइट को विकसित किया गया है। नये आयाम से विकसित वेबसाइट से एक झलक में संस्थान की गतिविधियों से जुड़ी तमाम तरह की जानकारी हासिल होगी। आज उक्त विकसित प्रणालियों को राष्ट्र के नाम समर्पित करते हुए बर्दवान-दुर्गापुर की सांसद प्रो. डा. मुमताज संघमित्रा ने यांत्रिक शोध संस्थान सीएमआईआई के वैज्ञानिकों द्वारा राष्ट्र व जनहित के लिए किये गये अविष्कारों के लिए बधाई दी। उन्होंने कहा कि देश के विकास में सीएसआईआर-सीएमआईआई की भूमिका अहम् है। श्रीमती संघमित्रा ने संस्थान के ऊर्जावान निदेशक प्रो. डा. हरीश हिरानी के नेतृत्व में हुए शोध व विकास कार्यों के लिए टीम सीएमआईआई को शुभकामनायें दी। स्वागत संबोधन में संस्थान के निदेशक प्रो. डा. हरीश हिरानी ने संस्थान के वैज्ञानिकों द्वारा विगत 1 वर्ष के दौरान विकसित बहुआयामी प्रौद्योगिकियों पर ध्यानाकर्षण कराया व कहा कि संस्थान देश के आम नागरिकों के लिए ऐसे शोध व विकास कार्य में लगा है, जो लोगों को आसानी से कम लागत पर उपलब्ध हो सके। वर्ष के दौरान विभिन्न शोधों में रोटेटिंग सोलर पावर ट्री, जल कवक, प्लास्टिक



फोता काटती सांसद साथ में प्रो. हरीश हिरानी। छाया: अभय वर्ज्य से प्लाज्मा निष्कासन व सिंथेटिक गैस का उत्पादन, कृषि शक्ति ट्रेक्टर, जल से लौह तत्व निष्कासन संयंत्र इत्यादि पर चर्चा करते हुए कहा कि जल्द ही हमारे वैज्ञानिक जल को आर्सेनिक व फ्लोराइड मूल इकाई को विकसित करने में कामयाब हो जायेंगे। वर्ष के दौरान आयोजित व्याख्यान, सेमिनार व कार्यशाला की जानकारी देते हुए प्रो. हरीश ने कौशल विकास कार्यक्रम के तहत संस्थान डिग्री व डिप्लोमाधारी युवा अभियंताओं की गुणवत्ता में सुधार व विकास हेतु चलाये जा रहे प्रशिक्षण कार्यक्रम से अवगत कराया। डा. हिरानी ने कहा कि संस्थान व राष्ट्र का विकास तभी संभव होगा, जब सामूहिक पहल करेंगे। मौके पर पार्षद व मेयर प्रतिनिधि सुष्मिता भूई, संस्थान के वैज्ञानिक डा. शंकर नाथ सोम, डा. शिवनाथ माईती, डा. नागाहनुमैय्या, डा. एनसी मुर्मु, रंजन सेन, वरिष्ठ तकनीकी अधिकारी अजय कुमार राय, अनुभाग अधिकारी कौशल कुमार समेत बड़ी संख्या में वैज्ञानिक व कार्मिक मौजूद थे। धन्यवाद ज्ञापन संस्थान के प्रशासनिक अधिकारी जय शंकर शरण ने किया।

Published in:

Aaj, Page 6

Also Published in:

Salaam Duniya, Page 12