

CSIR in Media



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A Daily News Bulletin
8th -9th March 2017



लखनऊ (ब्यूरो)। सीएसआईआर स्पोर्ट्स मीट के तहत रविवार को इंडोर खेल सेमिन हो गए। इसके अंतर्गत टेबल टेनिस पुरुष एकल में एनबीआरआई लखनऊ के डीके पुरुषोत्तम ने सीएलआरआई चेन्नई के के चंद्रन को हराते हुए खिताबी जीत दर्ज की। बैडमिंटन महिला एकल वर्ग का खिताब सीडीआरआई लखनऊ की नीति कुमार ने जीता, जबकि खिताबी टीम वर्ग का खिताब सीडीआरआई लखनऊ की नीति, प्रीति और दीप्ति की तिकड़ी ने अपने नाम किया। पुरुष एकल वर्ग में आईआईसीबी कोलकाता के मुरगन एकल और टीम वर्ग में आईआईसीबी देहरादून के फरीद मोहम्मद, बी धिमरी और टिकाराम भट्ट ने खिताब अपनी झोली में डाला। कैरम वर्ग में एनजीआरआई देहरादून की साई कुमारी और पुरुष युवा वर्ग में एनएल बंगलूरु के केएम रामचंद्रन व सदाशिव की जोड़ी विजेता बनीं। शतरंज वर्ग में सीएसआईआरआई दुर्गापुर के हिमाद्री राय ने आईआईएमटी भुवनेश्वर को एक शाहू को हराकर खिताब जीता। समापन पर मुख्य अतिथि अंजू त्रिपाठी, निदेशक प्रोफेसर एकै त्रिपाठी, निदेशक आलोक धवन ने विजेताओं को पुरस्कृत किया।

Efficient Waste Management Need of the Hour: Harsh Vardhan

CSIR-IIP

8th March 2017



The Union Minister for Science & Technology and Earth Sciences, Dr. Harsh Vardhan releasing the publication addressing at the inauguration of the CSIR-Indian Institute of Petroleum 4th 3R International Scientific Conference on Material Cycles and Waste Management, in New Delhi on March 08, 2017.

New Delhi- Science and Technology Minister Dr. Harsh Vardhan today said that India has been a key player in promoting the efficient waste management system in the world. “ Prime Minister Narendra Modi has played a key role at the international platform to develop the sense of waste management and material cycles. Now we need a directional change and positive approach for making a bigger impact,” he said.

Dr. Harsh Vardhan was speaking after inaugurating the ‘4th 3R International Scientific Conference on Material Cycles and Waste Management’. The conference focuses on promoting techniques of the waste management and spread the concept of Reduce, Reuse and Recycle (3R) principles. Delegates from Japan, Korea and Germany are participating in the three-day conference, organized by the CSIR-Indian Institute of Petroleum (IIP).

Chemical and Fertilizers Minister Anant Kumar pointed out that about 4,500 urban areas in the country generate 55 million ton of waste every year out of which only one million ton is converted into compost which ideally should be 5.5 million tonnes annually. For the first time, he said, the Modi government was giving subsidy for making compost from waste and a 50 kg bag of compost would cost only Rs. 75 for farmers.

Anant Kumar said, the biggest concern today of the environmental problems posed by plastic waste and food packaging. Most of the hazardous waste is generated by the pharmaceutical and medical devices industries. Mr. Kumar said that 12 million tonnes of plastic can be reused and recycled. Further, he suggested “Reduce, Recycle and Reuse (3Rs) should be a part of the curriculum in the syllabus of schools at primary and secondary levels. Prime Minister Modi is concerned about the climate change and has launched the Swachh Bharat Mission.”

He announced that his Ministry was ready to ink a MoU with CSIR for setting up a task force for promoting 3Rs. He appealed to use ‘2R (Reuse, Recycle)’ material instead of ‘waste material’. Mr. Kumar said that a Guwahati-based unit was treating two tonnes of plastic waste daily and the plan was to set up 100 such units across the country to give a push to 3R projects. “As plastics are everywhere from automobiles to hospitals and it is not biodegradable, it is a big challenge to contain this menace,” he said.

Minister of Railways Suresh Prabhu spoke about the challenges to deal with the waste to use as next value chain. He emphasised upon the control and reuse of toxic and industrial waste. He added, “Agriculture waste should not be burnt. If they are disposed into the soil, it becomes natural manure. CSIR is focusing on such crucial issues which are a welcome step. This is the time to link culture with science. We should term the agri-waste as a key resource for waste management.”

The Director General CSIR, Dr. Girish Sahni said that CSIR has major focus on developing the technology for creating wealth from the waste. It is endeavouring that the technology developed should be energy efficient and affordable. Dr. Anjan Ray, Director, CSIR- Indian Institute of Petroleum and Chairman, 4th 3R INCs were also present at the conference along with the minister. Dr. Ray said, “3RNCs is an opportunity for all stakeholders interested in the broad area of waste management as a key component of a sustainable future for Planet earth, and more specifically in progress towards a robust Material- Cycle Society that aims to preserve resources.”

Minister of Railways Suresh Prabhu spoke about the challenges to deal with the waste to use as next value chain. He emphasised upon the control and reuse of toxic and industrial waste. He added, “Agriculture waste should not be burnt. If they are disposed into the soil, it becomes natural manure. CSIR is trying to such crucial issues which are welcome steps. This is the time to link culture with science. We should term the agri waste as a key resource for waste management.”

The earlier 3RINCs events were organised in Japan (2014), Korea (2015), and recently in Vietnam (2016). India being the fastest growing economy faces an urgent need for solutions towards waste accumulation.

Published in:

[IndiaEducationDiary](#)

Also Published in:

Millenium Post

Vairat Vaibhav

[DNA](#)

CSIR-NEIST holds training on 'cultivation of aromatic plant'

CSIR-NEIST

8th March 2017



CSIR-North East Institute of Science & Technology, Branch Itanagar organized a training programme on 'Cultivation of Aromatic Plant and distillation technology' under the CSIR-800 programme at the institute premises in Naharlagun today.

About 40 farmers/villagers/beneficiaries from different parts of Arunachal Pradesh and North Lakhimpur, Assam attended the day long programme.

Dr Jagat C Borah, Sc in-charge, NEIST Br Itanagar gave a brief on the institute and assured to provide all technical support and help to the concerned quarters.

He also requested all to come forward to take the advantage of technologies developed by CSIR-NEIST, Jorhat and Br Itanagar for societal development. Dr Chandan Tamuly, Sr Scientist dwelt on CSIR-800 and role of CSIR-NEIST, Jorhat and NEIST, Br Itanagar for socio-economic development of North East India.

Attending as resource person, Dr Budhen C Baruah delivered talks on the topic of the programme.

Another resource person, Tadar Tempo, Chairman, M/s Tempo Medicinal and Aromatic Oil Industries, Batt village, Itanagar shared with the gathering his 20 years experience on 'Cultivation of Aromatic Plant in Arunachal Pradesh and its marketing scopes'.

He mentioned that there are lots of scope and advantages in cultivation of the medicinal and aromatic plants in Arunachal Pradesh. Due to lack of awareness and proper knowledge success rate in this area is not very high, he said adding but, if we implement these projects in systematic and proper way, the people can get the benefits significantly.

Later, hands-on demonstrations were provided to the beneficiaries.

NEIST, Br Itanagar extended thanks to Dr D Ramaiah, Director CSIR-NEIST Jorhat, Dr P Sengupta, Coordinator, CSIR-NEIST (Br Itanagar) and Dipankar Neog, Sr Scientist cum Principal Investigator among others for their all support and help in different activities.

Published in:

[EchoofArunachal](#)

Also Published in:

[ArunachalTimes](#)

CSIR-NEERI

8th March 2017



Published in:

Millenium Post

Also Published in:

[Daily Pioneer](#)

[LiveMint](#)

[Reuters](#)

CSIR

6th March 2017

सीएसआईआर स्पोर्ट्स मीट के विजेता हुए पुरस्कृत



लखनऊ (ब्यूरो)। सीएसआईआर स्पोर्ट्स मीट के तहत रविवार को इंडोर खेल संपन्न हो गए। इसके अंतर्गत टेबल टेनिस पुरुष एकल में एनबीआरआई लखनऊ के डीके पुरुषोत्तम ने सीएलआरआई चेन्नई के के चंद्रन को हराते हुए खिताबी जीत दर्ज की। बैडमिंटन महिला एकल वर्ग का खिताब सीडीआरआई लखनऊ की नीति कुमार ने जीता, जबकि महिला टीम वर्ग का खिताब सीडीआरआई लखनऊ की नीति, प्रीति और दीप्ति की तिकड़ी ने अपने नाम किया। पुरुष एकल वर्ग में आईआईसीबी कोलकाता के मुरगन एकल और टीम वर्ग में आईआईपी देहरादून के फरीद मोहम्मद, बी धिमरी और टिकाराम भट्ट ने खिताब अपनी झोली में डाला। कैरम वर्ग में एनजीआरआई हैदराबाद की साई कुमारी और पुरुष युगल वर्ग में एनएल बंगलूरु के केएम रामचंद्रन व सदाशिव की जोड़ी विजेता बनी। शतरंज वर्ग में सीएमआईआरआई दुर्गापुर के हिमाद्री राय ने आईआईएमटी भुवनेश्वर को एके शाहू को हराकर खिताब जीता। समापन पर मुख्य अतिथि अंजू त्रिपाठी, निदेशक प्रोफेसर एके त्रिपाठी, निदेशक आलोक धवन ने विजेताओं को पुरस्कृत किया।

Published in:

Amar Ujala, Page 16

CSIR-IITR

7th March 2017

कहीं तेल में मिलावट तो नहीं... खुद करें जांच

रुमा सिन्हा, लखनऊ

आज भी सरसों के तेल में बने खाने के मुरीद कम नहीं हैं। कहते हैं कि तेल में बनी सब्जी का स्वाद ही अलग होता है। लेकिन बाजार में मिल रहे सरसों के तेल में मिलावट की भी शिकायतें आए दिन सामने आती रहती हैं। ऐसे में यह आशंका बनी रहती है कि जो तेल हम खरीद रहे हैं कहीं वह नकली तो नहीं। कारण यह है कि नकली तेल में कैंसर पैदा करने वाले खतरनाक केमिकल मौजूद होते हैं। सीएसआइआर-भारतीय विष विज्ञान अनुसंधान संस्थान (आइआइटीआर) ने सरसों के तेल में की जाने वाली रंग की मिलावट को पता लगाने के लिए मस्टर्ड ऑयल चेक (एमओ) स्ट्रिप विकसित की है। इस स्ट्रिप में तेल की एक बूंद डालकर कुछ ही सेकेंड में तेल के असली-नकली होने का पता लगाया जा सकता है।

आइआइटीआर के निदेशक डॉ.

आलोक धावन बताते हैं कि संस्थान द्वारा सरसों के तेल में मिलावट का पता लगाने के लिए करीब बीस हजार स्ट्रिप तैयार कराई हैं, जिन्हें संस्थान लोगों तक पहुंचाना चाहता है। इसके लिए विभिन्न सरकारी-गैर सरकारी संगठनों से संपर्क साधा जा रहा है।

डॉ. धावन कहते हैं ज्यादा समस्या खुला तेल खरीदने वालों की है। गरीब बस्तियों में लोग जाने-अनजाने हर रोज ऐसे मिलावटी तेल को खाकर बीमार होने को मजबूर हैं। इसके लिए खाद्य विभाग से भी बात की गई कि दुकानदार तेल की बिक्री के साथ-साथ इन स्ट्रिप को भी उपभोक्ताओं को उपलब्ध कराए जिससे लोग तेल खरीदने के साथ स्वयं जांच कर सकें।

इसके अलावा तेल कंपनियों से भी बात चल रही है कि वह बोटल के साथ इन स्ट्रिप को भी लगाकर बेचें। इससे उपभोक्ताओं में ब्रांड के प्रति और विश्वसनीयता विकसित होगी।

- आइआइटीआर ने विकसित की एमओ चेक स्ट्रिप
- सिर्फ एक बूंद से होगी तेल में रंग की मिलावट की जांच

मिलावट का पता लगाने के लिए करीब बीस हजार स्ट्रिप तैयार कराई हैं, जिन्हें लोगों तक पहुंचाने के लिए सरकारी-गैर सरकारी संगठनों से संपर्क किया जा रहा है।
डॉ. आलोक धावन, निदेशक, आइआइटीआर

कैसे होती है जांच

एमओ स्ट्रिप के छोटे टुकड़े पर तेल की एक बूंद डालें। यदि तेल का रंग लाल हो जाए तो उसमें कृत्रिम रंग की मिलावट है। यह स्ट्रिप तेल में 0.001 प्रतिशत (10 पीपीएम) तक कृत्रिम रंग की मिलावट को पकड़ सकती है। आइआइटीआर ने इसका पेटेंट भी प्राप्त कर लिया है।

स्टार्ट अप के लिए मुफ़ीद

डॉ. धावन बताते हैं कि वैसे तो इस स्ट्रिप की कीमत मात्र चार रुपये के करीब आती है, लेकिन यदि इसे कामर्शियल स्तर पर बनाया जाए तो कीमत और भी कम आएगी। वह कहते हैं कि संस्थान इसे स्टार्ट अप के लिए प्रमोट करना चाहता है। युवा इसकी टेक्नोलॉजी लेकर अपना व्यवसाय भी शुरू कर सकते हैं संस्थान उन्हें हर तरह से मदद करेगा।



Published in:

Dainik Jagran, Page 5

CSIR-IICT

8th March 2017

కరెంట్ లేని గ్రామం నుంచి అంతర్జాతీయ స్థాయి వరకు

బిఎన్టీ శాస్త్రవేత్త ప్రభావతి ప్రస్థానం

ఫైదరాబాద్: మహిళలు శాస్త్ర సాంకేతిక రంగాల్లో దూసుకుపోతున్నారు. పురుషులకు దీటుగా పరిశోధనలు చేస్తున్నారు. కొత్త అవిష్కరణలు చేపడుతున్నారు. నగరంలోని బిఎన్టీకి చెందిన శాస్త్రవేత్త డీఎల్పి ప్రభావతి అంతర్జాతీయ స్థాయిలో పరిశోధనలకు అవార్డులు సాధించి మహిళలకు స్ఫూర్తిగా నిలుస్తున్నారు. కరెంట్ కూడా లేని గ్రామం నుంచి చదువును ప్రారంభించి దేశంలోనే అత్యున్నత సంస్థ బిఎన్టీలో సెంటర్ ఫర్ లిపిడ్ రీసెర్చ్లో ప్రీన్సిపల్ శాస్త్రవేత్తగా ఎదిగారు. గుంటూరు జిల్లా ఆళ్ళవారిపాలెం ప్రభావతి అన్నస్థలం. ఆమె తండ్రి ఆడపిల్ల అని చూడకుండా ఆ రోజుల్లో చదువు చెప్పించారు. శివ తరగతి నుంచి 10వ తరగతి వరకు వికారాబాద్లోని రెసిడెన్షియల్ పాఠశాలలో చదువుకొంది. ఆ రోజుల్లో అడపిల్లను చదువు కోసం అంత దూరం పంపించడం సాహసోపేత నిర్ణయమే. చదువు మీదే ధృష్టి పెట్టి సెంట్రల్ యూనివర్సిటీలో ఎమ్మెన్టీసీ చేశారు. అనంతరం అళ్ళవడి వీహెచ్డీ కూడా పూర్తి చేశారు. అనంతరం బిఎన్టీలో శాస్త్రవేత్తగా బాధ్యతలు చేపట్టారు. 20 ఏళ్లలో అనేక పరిశోధనలు చేసి అవార్డులు గెలుచుకున్నారు.



లక్షల దరఖాస్తుల్లో...

ప్రపంచవ్యాప్తంగా లక్షల్లో దరఖాస్తులు. ఆరు దశల్లో వడపోతలు. నూనెల మీద పరిశోధనలు చేసినందుకు అమెరికన్ ఆయిల్ కెమిస్ట్రీ సొసైటీ అందించే వురస్సానానికి ప్రభావతి ఎంపికయ్యారు. 2013లో భారత శాస్త్రవేత్తల సత్కాను అటారు. బిఎన్టీ ఉత్తమ మహిళ అవార్డు, గ్రీన్ కెమిస్ట్రీ అవార్డు, జైన్ ట్రాన్ బయోటెక్నాలజీ అవార్డు ఇలా మొత్తం 7 అంతర్జాతీయ అవార్డులు, 8 జాతీయ అవార్డులు సాధించారు. మహిళా దినోత్సవం గురించి ఆమె మాట్లాడుతూ.. మహిళలు ఎడగాంటే చదువు తప్పనిసరి అవ్వుతుంది. ఆ చదువే నన్ను ఈ రోజు ఈ స్థాయికి తీసుకొచ్చిందని వెల్లడించారు.

Published in:

Eenadu