

CSIR in Media



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HAL, NAL join for Saras MKII aircraft

CSIR-NAL

15 March, 2020



MoU Signed Between HAL and CSIR-NAL for Design, Development, Production and Maintenance of SARAS MKII Aircraft . (Source: Twitter)

Aircraft is intended to be sold to the Indian defence forces, civil aviation sector and foreign customers

Hyderabad: Hindustan Aeronautics Limited (HAL) has signed a memorandum of understanding (MoU) with CSIR- National Aerospace Laboratories (NAL) for design, development, production and maintenance of Saras MKII aircraft. The MoU has been exchanged between the companies at Wings.

The aircraft is intended to be sold to the Indian defence forces, civil aviation sector

and foreign customers. The indigenously developed 19-seat aircraft will cater to the needs of Indian Air Force and also the regional connectivity services among the tier-2 and tier-3 cities.

HAL chairman and managing director R Madhavan told *Telangana Today*, “The design and manufacturing of systems and landing gears will happen at HAL Kanpur. The first customer for the aircraft will be Indian Air Force but we also see opportunities in the civil aviation space. The aircraft will take about 2-3 years for development. After the testing and approvals are over, we will get into the production mode.”

“In addition to India, we see good market in South East Asia. The aircraft will use most advanced technology that will make it easy for pilot to handle and fly. Civil aviation will be a large market. We will also supply to defence forces of friendly nations,” he added.

HAL also signed a MoU with Blue Ray Aviation under which two HAL Do-228 aircraft will be used by the latter for air connectivity, charter services or air ambulance service. The Transport Aircraft Division (TAD) of HAL in Kanpur has been producing the aircraft.

CFTRI Honours Environmentalist Saalumarada Thimmakka

CSIR-CFTRI

15 March, 2020



“Nature blesses everyone who takes care of it”

Mysuru/Mysore: The Women’s Association of **CSIR-CFTRI**, as part of International Women’s Day celebrations, honoured centenarian environmentalist and Padma Shri awardee **Salumarada Thimmakka** at a programme organised at the CFTRI premises in city recently.

The event was celebrated as a tribute to the conservationist with the staff and the chief guest Thimmakka planting saplings.

Later speaking at the function, Salumarada Thimmakka recalled the travails that she had to face during her epic conservation efforts. “Plant trees and your family will also flourish like the trees,” she said and added that nature blesses everyone who takes care of it.

Dr. KSMS Raghavarao, Director, CSIR-CFTRI, who presided over the function, paid tributes to the women, especially in their roles as mothers and daughters.

Reciting a poem in Telugu, he said: “the greatness of womanhood and the importance of a woman is understood only in a family setting.”

Earlier, Dr. Ushadevi, Secretary, CFTRI Women’s Association (CWA), spoke about the life and achievements of Salumarada Thimmakka.

A cheque for Rs.15,000 from CSIR-CFTRI

was handed over to her. Another bounty of Rs.50,000 collected by the staff and students was also given to Thimmakka by Dr. Swaroopa Rani, President, CWA, towards environmental conservation.

Jayalakshmi proposed a vote of thanks. Umesh, adopted son of Salumarada Thimmakka and other members of CWA were present at the event.

11th plastic bank of Doon opens at Anthropological survey

CSIR-IIP

15 March, 2020

The initiative of the Indian Institute of Petroleum (IIP) and Social Development for Communities Foundation (SDCF) for setting up plastic banks is slowly gaining momentum. On Friday 11th plastic bank was established at the campus of Anthropological Survey of India. Speaking on the occasion, the founder of SDCF, Anoop Nautiyal said that if the initiative is adopted by everyone then the day is not far when Dehradun would become clean and plastic free. The Head of the Anthropological Survey, Dr Harshvardhan Singh, held a session with the all the departments and its staff and workers and informed them about the detrimental effect of single use plastic and reminded them to uphold their duty as citizens. He said that the amount of plastic in our kitchens should motivate us to collect it and transfer it to the nearest plastic bank in Dehradun. The SDCF officials claimed that in nearly four months, it has managed to collect 1800 kilograms of plastic and delivered it to the Indian Institute of Petroleum (IIP) where the plastic is converted into diesel. About 1000 kilos of plastic can yield 800 liters of diesel

Published in:

Dailypioneer

नागछतरी का टिशू कल्चर तैयार

पालमपुर में आईएचबीटी के वैज्ञानिकों को मिली बड़ी कामयाबी



हिमाचल के ऊँचाई वाले इलाकों में मिटने की कगार पर पहुँची नागछतरी का टिशू कल्चर तैयार हो गया है। पालमपुर में आईएचबीटी के वैज्ञानिकों को इस बारे में बड़ी सफलता मिली है। जादुई बूटी नागछतरी की जड़ों में मौजूद रसायन से दवाइयाँ बनती हैं, जिनकी अंतरराष्ट्रीय मार्केट में काफी मांग है। इंटरनेशनल मार्केट में इसके दाम 15 से 20 हजार रुपए प्रति किलोग्राम हैं। यही कारण है कि मौजूदा समय में इस पौधे की बिक्री पर कड़ी नजर रखी जाती है। आईएचबीटी के वैज्ञानिकों के अनुसार भविष्य में नागछतरी की कई किस्मों से अच्छे गुण लेकर बेहतरीन पौधे तैयार किए जाएंगे। इससे जहाँ मौजूदा समय में कहीं भी, नागछतरी की खेती नहीं होती है। खैर, आईएचबीटी का प्रयास रहेगा कि नागछतरी की नई पौधों को वनों में रोपा जाए। आईएचबीटी में चल रही रिसर्च को लेकर वरिष्ठ पत्रकार जयदीप रिहान ने संस्थान के निदेशक डॉक्टर संजय कुमार से बात की।

क्या है नागछतरी

नागछतरी को ट्राइलियम गोवानियन या सतुआ के नाम से जाना जाता है। इसका पौधा 2700 से चार हजार मीटर की ऊँचाई पर मिलता है। स्थानीय बाजार में नागछतरी की कीमत दो से तीन हजार रुपए प्रति

किलो ग्राम मिलती है जबकि विदेशों में निर्यात किए जाने पर इसके दाम 15 से 20 हजार रुपए प्रति किलो ग्राम तक मिल जाते हैं। चीन इसका बड़ा आयात करने वाला देश माना जाता है। नागछतरी की जड़ों में मौजूद रसायन दवाइयाँ बनाने के काम आता है। इसका प्रयोग हर्बल टॉनिक, रक्तप्रवाह बेहतर करने और यौवन शक्ति बढ़ाने वाली दवाइयों में किया जाता है।

रिपोर्ट : जयदीप रिहान, पालमपुर



में लाइव देखें अपनी माटी

Covid-19: CIMAP mulls commercial launch of herbal sanitiser

CSIR-CIMAP

14 March, 2020

LUCKNOW: Unable to meet the rising demand for its herbal sanitiser Central Institute of Medicinal and Aromatic Plants (CIMAP) is all set to sign a deal with a company for its commercial production.

The demand was fuelled by a shortage of branded disinfectants in the market.

The sale of 'Hankool', the sanitiser developed by CIMAP, saw a tenfold increase-from 10 units sold daily to over 100 now-over the past two weeks as cases of coronavirus began trickling in.

The institute had developed the sanitiser around two decades back but production was limited. It was made available to people at affordable prices.

"In view of the rise in demand and in national interest, we are in talks with several companies for the commercial launch of the product. The deal will be finalised by next week and will include the clause that it be sold at economical prices so that it reaches the masses," said CIMAP director Prabodh K Trivedi.

"The scientifically tested herbal sanitiser is made from essential oils derived from plants, and alcohol. It is effective against a wide range of viruses and bacteria without any side effect," said Trivedi.

Published in:

[Timesofindia](https://www.timesofindia.com)

Yoga Can Improve Sperm Motility, Says CCMB-AIIMS Study

CSIR-CCMB

14 March, 2020

A collaborative study from the Centre for Cellular and Molecular Biology (CCMB), Hyderabad, and All India Institute Of Medical Sciences (AIIMS), New Delhi, has now shown that the traditional practice of yoga has positive effects on the quality of sperm. The beneficial effects have been correlated with epigenetic changes in the sperm.

Yoga-based lifestyle interventions (YBLI) are increasingly being offered as an adjunct to modern medicine. This pilot study, published in the journal *Andrologia*, offers a first-of-its-kind analysis of the effect of YBLI in infertile men. In this study, after the practice of yoga, infertile men have demonstrated reduction in seminal oxidative stress with improvement in sperm motility, indicating its fertilizing potential.

Yoga practices in this study included physical movements and postures (asanas), breathing techniques (pranayama), and meditation (dhyana) for 1 hour a day for 21 days. This led to improved sperm quality in the patients enrolled in the study.

Yoga practices in this study included physical movements and postures (asanas), breathing techniques (pranayama), and meditation (dhyana) for 1 hour a day for 21 days.

Genetic system of organisms is heavily influenced and regulated by environmental factors. Unlike the DNA sequence, which an individual is born with, epigenetic changes are dynamic and reversible in response to the environmental influences. Unhealthy lifestyle and social habits are known to have adverse effects on the sperm, resulting in a decline in male reproductive health in recent years.

Using state-of-the-art DNA sequencing analysis, the study demonstrated a resetting of the sperm methylome (pattern of chemical changes called DNA methylation) in the yoga practitioners. The methylome, known to directly control the expression of genes, in this case is found to be associated with changes at nearly 400 genes, including several genes that are known play a role in male fertility, spermatogenesis and embryo implantation.

"The genes identified using the epigenomic approach in this study will be useful candidates for further focused investigations. As this pilot study was carried out on a small number of individuals, a larger scale investigation and further research on the effects of YBLI on male infertility will be necessary", says Dr. Rakesh Mishra, Director, CSIR-CCMB.

Besides Dr. Mishra, the research team included Shilpa Bisht, Sofia Banu, Surabhi Srivastava, Rashmi U. Pathak, Rajeev Kumar and Rima Dada.

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[Medicdialogues](#)

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Coronavirus spooks IIT(ISM) & Koylanchal varsity, dashes dream

CSIR-CIMFR

14 March, 2020

The coronavirus pandemic has spooked top technical and research institutes of Dhanbad, with IIT(ISM) on Friday announcing the postponement of all official engagements as a preventive measure.

Through an advisory issued on Friday, IIT(ISM) director Rajiv Shekhar cancelled all conferences, seminars, workshops and professional development programmes till further notice and asked students, faculty and staff members not to organise any event involving the assembly of a large number of people.

The institute has also asked members and students to postpone foreign visits besides withdrawing all approvals to foreign travels.

“The cancellation charges for travel tickets, hotel bookings and visa processing fees can be claimed if the approval for the foreign travel has been obtained prior to this advisory,” the statement reads.

Any bookings made after the issue of the advisory won't be eligible for refund.

“In case a student, faculty or staff member has to go abroad for unavoidable official purpose, a special permission will be required from the undersigned through the appropriate channel,” the advisory says.

A supplementary advisory, also issued by the tech institute on Friday, asked students who had gone home during the mid-semester break from March 8-15 to extend their stay if

they felt unsafe about travelling back.

“The classes will be held as per schedule. However, the minimum attendance requirement of 75 per cent for the current semester has been waived off. The lecture notes will be uploaded online by the respective faculty members,” read the supplementary advisory, which also informed students about the pre online registration for the monsoon semester of 2020-21.

The IIT(ISM) had on Thursday advised students down with cold, cough and flu during their holiday break to stay at home till they made complete recovery.

“You will be given attendance waiver during the period of absence. Upon reaching the institute after getting fully cured, you need to furnish a medical certificate clearly specifying the period during which you were under treatment to avail the attendance waiver,” the statement issued on Thursday said.

Students have been advised to wash their hands frequently and contact the doctor at the healthcare centre of the institute in case of cough, cold or fever.

“All the advisories have been issued as part of the preventive steps in the wake of coronavirus (Covid-19) outbreak across the globe,” the IIT(ISM) director said.

Central Institute of Mining and Fuel Research (CIMFR), the premiere research laboratory of Council of Scientific and Industrial Research, has also cancelled events that necessitated large gatherings.

The spring festival scheduled at CIMFR’s Digwadih campus and an Indo-French expert talk scheduled from April 22 in Bangalore have been scrapped.

Binod Bihari Mahto Koylanchal University (BBMKU) has also instructed the principals of all constituent, affiliated and BEd colleges to not allow any meetings, conferences or seminars till further orders.

A notice by the university further instructed principals to make proper cleanliness measures in their respective institutions.

Biometric attendance have been discontinued in colleges and employees have been asked to register their attendance manually.

CSIR-NML

14 March 2020

एनएमएल में वीमेंस डे : महिलाओं के स्वास्थ्य की हुई जांच, महिला उत्थान पर हुआ व्याख्यान महिलाओं से है धरती पर मानव जीवन : प्रेमलता

जमशेदपुर. सीएसआईआर एनएमएल में वीमेंस डे का आयोजन किया गया, जिसमें मुख्य अतिथि पद्मश्री प्रेमलता अग्रवाल उपस्थित थीं। उन्होंने एनएमएल के डायरेक्टर डॉ. इंद्रनील चट्टोपाय, उनकी पत्नी डी चट्टोपाय, सीनियर प्रिंसिपल साइंटिस्ट डॉ. एस पालित सागर ने संयुक्त रूप से दीप प्रज्वलित कर कार्यक्रम की शुरुआत की। इसके बाद डायरेक्टर डॉ. चट्टोपाय ने सभी को स्वागत भाषण देते हुए कहा कि महिलाओं के उत्थान के लिए किसी खास दिवस मनाने के बजाय हमेशा उनके प्रति सम्मान का भाव रखना चाहिए। साथ ही एनएमएल द्वारा इस दिशा में किये जाने वाले कार्यों की भी जानकारी दी। इसके बाद पद्मश्री प्रेमलता अग्रवाल ने कहा कि महिला



व पुरुषों के बीच भेदभाव नहीं करनी चाहिए, दोनों एक समान हैं, दोनों की शारीरिक बनावट भले अलग है, समाज में दोनों की अपनी-अपनी महत्ता है।

उन्होंने कहा कि जितना सहनशील व धैर्यवान महिला हो सकती है उतना पुरुष आम तौर पर नहीं होते हैं। साथ ही कहा कि महिला की बदौलत ही घर

बेहतर तरीके से चल सकता है, वे जगत जननी है, वे हैं तो धरती पर मानव जीवन है। इस दौरान सीनियर प्रिंसिपल साइंटिस्ट डॉ. एस पालित सागर ने देश के

विकास में महिलाओं के रोल से जुड़ी बातें बतायीं। इससे पूर्व एनएमएल में कार्य करने वाली महिलाओं के स्वास्थ्य की निःशुल्क जांच की गयी। इस दौरान उनके

बीच कई प्रतियोगिता का आयोजन किया गया, जिसमें फूड जॉन में शार्विका सिंह को प्रथम जबकि पेंटिंग में संगीता किशोर को प्रथम पुरस्कार दिया गया।

महिला-पुरुष बराबर सम्मान के हकदार : प्रेमलता

जमशेदपुर | तृतीय संवाददाता

महिला और पुरुष दोनों के अपने विशेष गुण हैं। इसलिए दोनों का ही बराबर सम्मान करना चाहिए। कोई भी ऐसा मुकाम नहीं जो महिलाएं नहीं हासिल कर सकतीं, बशर्ते दृढ़ निश्चय हो।

ये बातें पर्वतारोही पद्मश्री प्रेमलता अग्रवाल ने शुक्रवार को बर्माहाइंस स्थित सीएसआईआर-एनएमएल के प्रेक्षागृह में कहीं। वे यहां



कार्यक्रम को संबोधित करती प्रेमलता।

सीएसआईआर-एनएमएल की ओर से आयोजित महिला दिवस कार्यक्रम को

बतौर मुख्य अतिथि संबोधित कर रही थीं। इससे पूर्व कार्यक्रम का शुभारंभ प्रेमलता अग्रवाल, एनएमएल के निदेशक डॉ. इंद्रनील चट्टोराज व उनकी पत्नी डी चट्टोराज और प्रिंसिपल साइंटिस्ट डॉ. एस पालित सागर ने संयुक्त रूप से किया।

डॉ. इंद्रनील ने समाज में महिलाओं की अहम भूमिका के बारे में बताया। डॉ. एस पालित ने एनएमएल की ओर से वंचित वर्ग की महिलाओं के उत्थान के

लिए एनएमएल द्वारा किए जा रहे प्रयासों की जानकारी दी।

डी चट्टोराज ने धन्यवाद ज्ञापन किया। इस दौरान स्वास्थ्य शिविर में 80 महिलाओं की स्वास्थ्य जांच की गई। मौके पर महिला कर्मचारियों के लिए कई प्रतियोगिताएं आयोजित की गईं। विजेताओं को पुरस्कृत भी किया गया। फूड जोन में सयांतिका सिंह और पेंटिंग में संगीता किशोर ने प्रथम स्थान प्राप्त किया।

Bowenpally: Veggie waste packs a 'power' punch

CSIR-IICT

13 March, 2020

Bowenpally: Soon you will not find vegetable waste dumped at the Dr Ambedkar Vegetable Market Yard or Bowenpally Market Yard. A biogas plant has been installed in market yard and trial runs are going on. The project is a joint collaboration between Department of Biotechnology (DBT) and the state government is estimated to cost Rs 4 crore.

The plant is designed by the Indian Institute of Chemical Technology (IICT) by using Anaerobic Gas lift Reactor (AGR) Technology and is executed by Ahuja Engineering Services Private Limited. The private company is the turnkey service provider that is responsible for the engineering design, fabrication, installation and commissioning of the plant while IICT is the technology provider.

Speaking to THI, TN Srinivas, the chairman of the Bowenpally market yard, said, "The plant was installed in January. For the past one-and-a-half-months, trial runs are being conducted with 6 tonnes of waste. The idea is to increase the load to 10 tonnes. On an average, five tonnes of vegetable waste is produced in the market yard. Every month Rs 5 lakh is spent towards the power bills and also to remove vegetable waste from the market. Now with the help of this plant, it would save 27 units of electricity per day and 800 to 900 units per month."

"The plant would be fully commissioned to produce biogas by the end of March 2020. Biogas would be converted into electricity by using a biogas generator. As the plant is expected to produce at least 800 units of electricity per day from 10 to 15 tonnes of vegetable waste per day," said Shruti Ahuja, Director and business head, Ahuja Engineering Services Private Limited.

In addition to this, approximately 10 to 15 tonnes per day of nutrient-rich digestate which is a biofertilisers would be produced every day and this fertilisers would be given to the vegetable vendors. To monitor this plant six helpers and an operator are deployed. The operation and maintenance of the plant would be operated by the company for a term of one year.

Nothing is impossible in this world, if your goal is fixed: Padma Shri Premlata Agarwal

CSIR-NML

13 March, 2020

NML celebrates International Women's Day

Jamshedpur, March 13: CSIR-National Metallurgical Laboratory on Friday celebrated International Women's Day at CSIR-NML.

Padma Shri Premlata Agarwal, Dr. I. Chatteraj, director, CSIR-NML, Jamshedpur, D. Chatteraj, , Dr. S. Palit Sagar, Sr. principal scientist, CSIR-NML were present during the inaugural function.

Around 200 staff and family members from different divisions and centres of CSIR-NML participated in the programme. The theme of today's inaugural session was "EachforEqual" – The theme of International Women's Day 2020.

While welcoming the gathering, Dr. I. Chatteraj appreciated the women employees working at the laboratory.

Chief Guest, Padma Shri Premlata Agarwal emphasised on the role of women. Man and Women both are equal. Man & Women have different qualities, we should respect each other. Nothing is impossible in this world, if your goal is fixed, you can achieve at any point of time. Nothing can be the hurdle in the path of success if you are bent upon achieving the goals in your life.

Dr. S. Palit Sagar, Chairperson of the programme opined that women's role in the development of country. He said, the theme of our team is to uplift under privileged

women employee through education and improve their confidence level so that they can perform in an open audience.

Mrs. D. Chatteraj proposed the vote of thanks and expressed her appreciation to all the members of the organising committee for their untiring effort in making the programme a success. Special thanks was given to our temporary women employee for their performance. Mrs. Chatteraj ended saying, “Empowerment is for weak only and we are woman”

On the eve of International Women’s Day celebration, lot of activities like – Food zone, Creativity, Rangoli, Pot Painting, Game Zone and so on. Other cultural programme were also organised by the CSIR-NML family in this occasion.

On March 12, CSIR-NML organised a day long Health Check-up for all its women employees, spouses of male employees, project staff and contractual staff. About 80 women mandatorily attended the health check-up. In this endeavour, the entire medical staff of CSIR-NML was involved and facilitated the camp under the supervision of Dr. Priyanka Singh, Resident Medical Officer to make the program a success.

CSIR-CFTRI

13 March 2020

ಸಾಲುಮರದ ತಿಮ್ಮಕ್ಕಗೆ ಸನ್ಮಾನ



ಮೈಸೂರು: ಮೈಸೂರಿನ ಕೇಂದ್ರೀಯ ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ಸಂಶೋಧನಾಲಯದಲ್ಲಿ (ಸಿಎಫ್‌ಟಿಆರ್‌ಐ) ಶತಾಯುಷಿ ಸಸ್ಯ ಸಂರಕ್ಷಕಿ ಸಾಲುಮರದ ತಿಮ್ಮಕ್ಕ ಅವರನ್ನು ವಿಶ್ವ ಮಹಿಳಾ ದಿನದ ಅಂಗವಾಗಿ ಸನ್ಮಾನಿಸಲಾಯಿತು. ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ಮಹಿಳಾ ಉದ್ಯೋಗಿಗಳ ಸಂಘವು ಆಯೋಜಿಸಿದ್ದ ಮಹಿಳಾ ದಿನಾಚರಣೆಯಲ್ಲಿ ಸಂಸ್ಥೆಯ ಸಿಬ್ಬಂದಿ ವರ್ಗ ಸಾಲುಮರದ ತಿಮ್ಮಕ್ಕ ಅವರು ಸಂಸ್ಥೆಯ ಆವರಣದಲ್ಲಿ ಸಸಿಗಳನ್ನು ನೆಟ್ಟು ಸಂಭ್ರಮಿಸಿದರು. ಈ ವೇಳೆ ಸಾಲುಮರದ ತಿಮ್ಮಕ್ಕ ಮಾತನಾಡಿ, ಮರಗಳನ್ನು ನೆಟ್ಟು ಕಾಪಾಡಲು ತಾವು ಪಟ್ಟ ಶ್ರಮವನ್ನು ನೆನಪಿಸಿಕೊಂಡರು. ನೀವು ನೆಟ್ಟ ಪ್ರತಿ ಮರವೂ ನಿಮ್ಮ ಕುಟುಂಬ ಅರಳುವಂತೆ ಮಾಡುತ್ತದೆ. ಯಾರು ಅದರ ಬಗ್ಗೆ ಕಾಳಜಿ ವಹಿಸುತ್ತಾರೋ ಅವರಿಗೆ ಪ್ರಕೃತಿಯೂ ಜೊತೆಯಾಗಿರುತ್ತದೆ ಎಂದರು.

ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದ ಸಂಸ್ಥೆಯ ನಿರ್ದೇಶಕ ಡಾ. ಕೆ. ಎಸ್. ಎಂ. ಎಸ್. ರಾಘವರಾವ್ ಅವರು, ಕುಟುಂಬದಲ್ಲಿ ಮಹಿಳೆಯರ ಪಾತ್ರ ಮುಖ್ಯವಾದದ್ದು ಎಂದರು. ಇದೇ ವೇಳೆ ಸಂಸ್ಥೆಯ ವತಿಯಿಂದ ₹ 15,000 ಚೆಕ್‌ನ್ನು ತಿಮ್ಮಕ್ಕ ಅವರಿಗೆ ಕೊಡುಗೆಯಾಗಿ ನೀಡಲಾಯಿತು. ಅಲ್ಲದೆ, ಸಂಸ್ಥೆಯ ಸಿಬ್ಬಂದಿ ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳಿಂದ ಸಂಗ್ರಹಿಸಿದ್ದ ₹ 50,000 ಹಣವನ್ನು ತಿಮ್ಮಕ್ಕ ಅವರಿಗೆ ನೀಡಲಾಯಿತು. ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ಮಹಿಳಾ ಉದ್ಯೋಗಿಗಳ ಸಂಘದ ಅಧ್ಯಕ್ಷಿ ಡಾ. ಸ್ವರೂಪಾರಾಣಿ, ಕಾರ್ಯದರ್ಶಿ ಡಾ. ಉಷಾದೇವಿ ಇದ್ದರು. ಜಯಲಕ್ಷ್ಮಿ ವಂದಿಸಿದರು.

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Sanjeev Khosla is CSIR-IMTECH Director

CSIR-IMTECH

12 March, 2020

Dr Sanjeev Khosla today joined as the full-time Director of CSIR-Institute of Microbial Technology (IMTECH). Dr Khosla, who has more than two decades of research experience, succeeds Dr Anil Koul who resigned last year.

Dr Khosla, prior to his appointment as the Director, was working as a scientist at the Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad.

He completed his PhD from the Indian Institute of Science (IISc), Bangalore. He had worked on the correlation of chromatin organisation with genomic imprinting and sex determination in insects. He has more than 30 publications in reputed science citation index journals.

Khosla said: “It’s an honour to lead a premier microbial research institution and contribute to its long-term success.” — TNS

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CSIR-IMTECH

12 March 2020

डॉ. खोसला ने इमटेक डायरेक्टर के तौर पर किया ज्वाइन

चंडीगढ़। सीएसआईआर-इंस्टीट्यूट ऑफ माइक्रोबियल टेक्नोलॉजी (इमटेक) में डॉ संजीव खोसला ने डायरेक्टर के तौर पर ज्वाइन किया है।



बीते साल डॉ अनिल कौल के निजी कारणों से इस्तीफा देने के कारण ये पद खाली था। डॉ खोसला सेंटर फॉर डीएनए प्रिंटिंग एंड डायग्नॉस्टिक (सीडीएफडी) हैदराबाद में कार्यरत रहे हैं जो डिपार्टमेंट ऑफ बायोटेक्नोलॉजी के अंतर्गत एक ऑटोनॉमस संस्थान है। वह इंडियन इंस्टीट्यूट ऑफ साइंस (आईआईएससी) बैंगलोर से पीएचडी हैं और उनका काम जीनोमिक इमप्रिंटिंग एंड सेक्स डिटरमिनेशन इन इंसेक्ट पर है। पीएचडी के बाद वह ब्राह्म इंस्टीट्यूट कैंब्रिज में काम करते रहे हैं जहां पर उन्होंने एपीजेनेटिक डिफरेंसेज पर काम किया है। इसके बाद उन्होंने कैंसर रिसर्च इंस्टीट्यूट कैंब्रिज में काम किया।

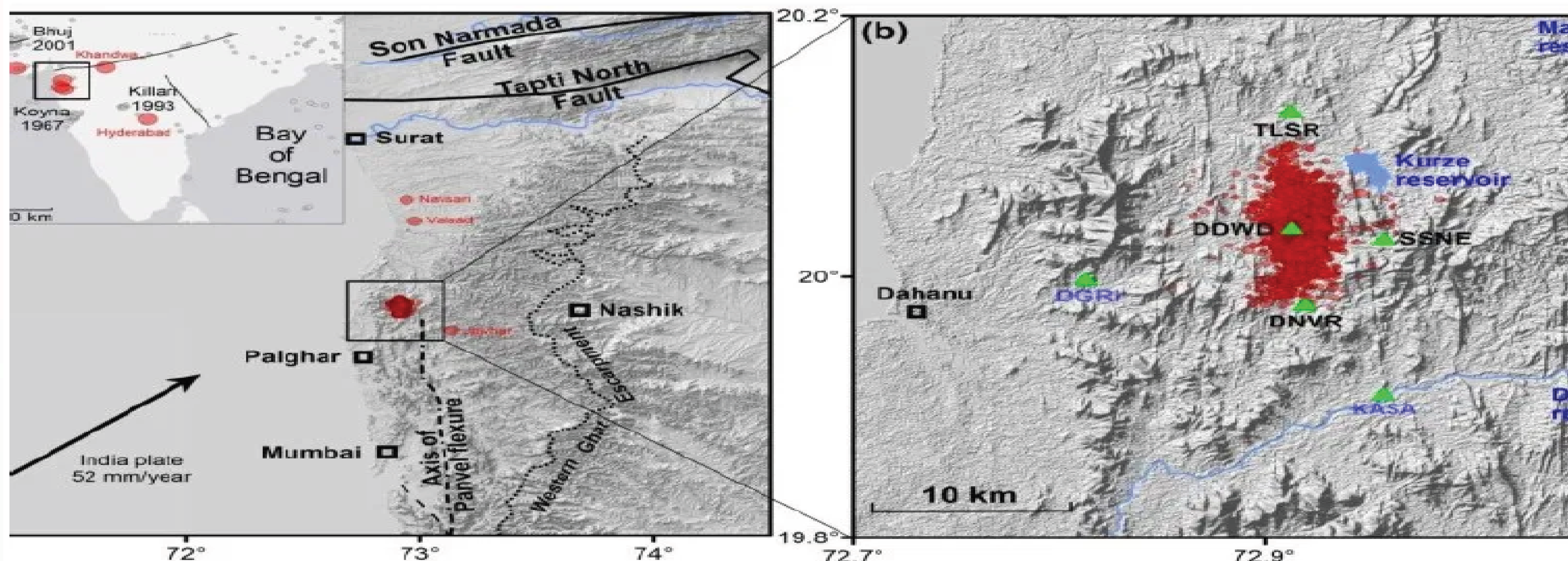
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CSIR-NGRI

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Science

NGRI, ISRO, IMD scientists find reason behind low magnitude earthquakes on Maha west coast

March 5, 2020 The ID Staff

New Delhi: The low magnitude and long duration earthquakes in the western coastal region (Dhundhalwadi, Palghar, Maharashtra) started in November 2018 and has produced more than 16,000 earthquakes of magnitude -0.5 to 3.8 which continue to occur even now. This unusual phenomenon caused panic among the people living there but curiosity among the geophysicists. The researchers installed a seismograph in the region and later they added more seismographs surrounding the reported region of earthquakes.

shallow depth is responsible for the swarm,” said Dr Vineet K Gahalaut, Senior Principal Scientist, Council of Scientific and Industrial Research-National Geophysical Research Institute (CSIR-NGRI), Hyderabad. Swarm is a sequence of generally small earthquakes with no identifiable mainshock and they often happen at the same location. They are usually short-lived but they can last for days, weeks or sometimes even months.

Two methods were adopted to carry out this research work. The first one is earthquake monitoring. There were 5 seismographs installed around the region of earthquakes. These earthquakes were recorded and located by using standard methods of earthquake location, to analyze their characteristic features. Second, satellite-based monitoring of ground deformation was employed known as interferometric synthetic aperture radar (InSAR) study. The regions of earthquake occurrence and ground deformation coincide.



"We started monitoring the earthquake occurrence. We located them very precisely and found that these earthquakes are occurring in a small region of 30 kilometres surrounding the Dhundhalwadi village. They occur at a shallow depth of up to 6 km with very clustered epicentres," said Gahalaut.

The features of earthquake monitoring, properties of earthquakes and features of deformation, indicate that these earthquakes are caused by some shallow process and probably not by the tectonic process. "The other possibility of them being volcanic in nature does not arise here. In most likely case, these earthquakes are caused by the percolation of rainfall water at depth and collapse of underground cavities due to this flow. And may not lead to a big earthquake," stated Gahalaut.

However, it is important that people take precautions and follow some basic rules of earthquake safety. Gahalaut said that in the region people should avoid buildings which are weakened and not safe for occupying. He advised that the people should make sure that places of the large congregation (school, hospitals, and community halls) are safe and in the long run, the buildings should follow the building code of India. "Ultimately, it is poorly constructed buildings which kill people and not the earthquakes," he said.

The study has been published in the journal, *Tectonophysics*. Apart from Gahalaut, the team of researchers includes Varun Sharma, Monika Wadhawan, Naresh Rana and G Suresh from National Center for Seismology; KM Sreejith, Ritesh Agrawal from Indian Space Research Organisation (ISRO)-Space Applications Centre, Ahmedabad; Charu Kamra from Institute of Seismological Research, Ahmedabad; KS Hosalkar, Kiran V Narkhede from India Meteorological Department, Mumbai.

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