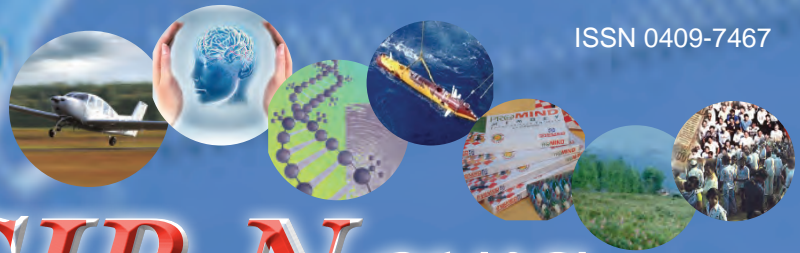




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In The News

CSIR-NAL Completes 60 Years of Service to the Nation



CSIR-NATIONAL Aerospace Laboratories (CSIR-NAL), Bengaluru celebrated its Diamond Jubilee on 1 June 2019, completing 60 years of service to the nation.

The Chief Guest for the Diamond Jubilee Celebrations was Shri K.N. Vyas, Secretary, Department of Atomic Energy & Chairman,

Atomic Energy Commission. The Guests of Honour were Shri M.M. Murugappan, Executive Chairman, Murugappa Group, and Shri Jayant



D. Patil, Whole Time Director (Defence) L&T. The function was presided over by Dr Shekhar C. Mande, Secretary, DSIR and DG-CSIR.

the release of the *Diamond Jubilee Year Book* as well as the *Annual Report 2018-19*. The Chief Guest distributed the CSIR-NAL Outstanding Performance Awards to the staff members.

The celebrations included

CSIR-NAL developed the composite technology and complex composite parts for LCA-Tejas during a period of technology denial from other countries. This indigenous expertise has resulted in substantial foreign exchange savings with significant socio-economic impact.

Successful Commercialisation of Composite Technology by CSIR-NAL

CSIR-NAL, Bengaluru, has developed state-of-the-art facilities to design and manufacture composite components for aircraft. Using this capability, CSIR-NAL has supplied 20 sets of critical components to HAL for the indigenous LCA-Tejas series production aircraft, jointly with Tata Advanced Materials Limited (TAML). CSIR-NAL and TAML will continue to provide these composite parts for the LCA-Tejas FOC aircraft.

CSIR-NAL developed the composite technology and complex composite parts for LCA-Tejas during a period of technology denial from other countries. This indigenous expertise has resulted in substantial foreign exchange savings with significant socio-economic impact.

The successful certification and induction into service of the LCA-Tejas is a big boost towards the “Make in India” mission of the Government of India.



A function to celebrate the successful commercialisation of this technology took place on 1 June 2019. Dr Shekhar C. Mande, Secretary, DSIR, and DG-CSIR; Shri R. Madhavan, CMD HAL; Air Marshal Upkarjit Singh, AVSM; Director, IAF-PMT, ADA, and Shri S.R. Mukherjee, CEO, TAML, addressed the gathering.

CSIR-NAL's Skill Development Centre Inaugurated

Towards implementing the “Skill India” Mission of the Government of India, CSIR-NAL has set up an Aerospace Skill Development Centre, under CSIR’s Integrated Skill Initiative Programme. This Centre will offer a number of skill development and skill upgradation courses in partnership with the Aviation and Aerospace

This Centre will offer a number of skill development and skill upgradation courses in partnership with the Aviation and Aerospace Sector Skill Council (AASSC) to the ITI and Diploma qualified youth, in addition to industry workers.



The main aim of these courses is to create high-quality, industry-ready skilled workforce relevant to current and emerging industry needs in the Aerospace Manufacturing, Assembly, Design & Development and Airlines Operations sectors.

CSIR-CMERI (Central Mechanical Engineering Research Institute), Durgapur has developed three technologies for supply of quality drinking water from groundwater sources.



Sector Skill Council (AASSC) to the ITI and Diploma qualified youth, in addition to industry workers. The main aim of these courses is to create high-quality, industry-ready skilled workforce relevant to current and emerging industry needs in the Aerospace Manufacturing, Assembly, Design & Development and Airlines Operations sectors. This is achieved through training/re-skilling in areas catering to different National Skill Qualification Framework (NSQF) levels.

The Centre was inaugurated on 1 June 2019 in the CSIR-NAL premises. Initially, the Centre will offer 5-6 job roles in the Aerospace Manufacturing and Design sub-sectors. The course duration ranges from 4 weeks to 4 months with an anticipated intake of 150 trainees during the first year. CSIR-NAL's initiative will give a big boost to the Skill Development Mission of the Government of India under NSDC.

CMERI Develops Green Technologies for Quality Drinking Water

CSIR-CMERI (Central Mechanical Engineering Research Institute), Durgapur has developed three technologies for supply of quality drinking water from groundwater sources. The newly developed technologies are based on the principles of oxidation, precipitation

and filtration and do not require electric power and so are completely green.

In India, groundwater is the major source for drinking and domestic purposes. However, the presence of contaminants like iron, arsenic and fluoride in groundwater

is also a matter of concern. The new technologies will ensure quality drinking water from groundwater sources free from iron, arsenic and fluoride contaminations.

The technologies are ready

for commercialisation and would be transferred to the private companies Sarvo Technologies Ltd. of Haryana and ISW Industries in Howrah in West Bengal for implementation across the



CSIR-NIIST Launches Coir-based Mulching Mats



The mulching mats are bio-degradable and a greener alternative to plastic mulching films

Dr T.M Thomas Isaac, Honourable Minister for Finance and Coir and Shri V.S. Sunil Kumar, Hon'ble Minister of Agriculture, Govt of Kerala launched coir-based mulching mats developed by CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram.

The mulching mats are bio-degradable and a greener alternative to plastic mulching films developed under the collaborative research project with the National Coir Research and Management Institute (NCRMI), Government of Kerala, Kerala.

MoUs/Agreements

CSIR-NCL signs an MoU with Deccan Sugar Technologies Association

CSIR-National Chemical Laboratory (CSIR-NCL), Pune, signed a Memorandum of Understanding (MoU) with the Deccan Sugar

Technologies Association (DSTA), Pune, on 8 July 2019 for the development of sustainable technologies for sugarcane farming.



Prof. Ashwini Kumar Nangia, Director, CSIR-NCL, Mr S.S. Gangavati, Vice President, DSTA and their teams during the signing of the agreement

CSIR-NCL has an in-house collection of microorganisms at its National Collection of Industrial Microorganisms (NCIM) Resource Centre, which is a microbial culture repository dedicated to isolation, preservation and distribution of authentic and industrially important microbial strains.

Agricultural productivity and sustainability have to be enhanced without perpetuating any ecological damage. The continuous use of chemical fertilizers and agrochemicals has led to adverse impact on agriculture, environment and the economy as well. Natural plant-microbe-environment interactions can be utilised in many ways for enhancing crop productivity. Rhizosphere-associated microbes play a key role in plant growth promotion by protecting plants from deleterious effects such as drought, salinity, pests and pathogens.

CSIR-NCL has an in-house collection of microorganisms at its National Collection of Industrial Microorganisms (NCIM) Resource Centre, which is a microbial culture repository dedicated to isolation, preservation and distribution of authentic and industrially important microbial strains. Over the last few

years, NCIM scientists have been working on these microorganisms for their plant growth promotion and bio-fungicidal activities for agriculture applications.

DSTA has done a study revealing that sugarcane farmers of Maharashtra are facing severe problems related to sugarcane growth, soil salinity, drought, fungal diseases, white grub and recently introduced devastating Spodeptera infestation. Due to these problems, the yield of sugarcane has drastically reduced.

In order to pool the respective expertise and capabilities, both CSIR-NCL and DSTA have come together to develop sustainable technologies using natural preparations. The identified potential strains are scaled up, mass multiplied and formulated using cell protectants and the production technology will be transferred as an output of this project.

Training-cum-workshop on ERP and R&D Module Management



A half-day Workshop/Training on ERP-R&D Module (Project Management) and Business Development Module Management for CSIR-AMPRI Scientists and Technical Officers was held on 4 June 2019 at Saranjamsala under the Chairmanship of Dr Avanish Kumar Srivastava, Director, CSIR-AMPRI and Patron of the Workshop/Training.

Dr Avanish Kumar Srivastava, welcomed the Scientists and Technical Officers and talked about the importance and need of implementation of ERP (Enterprise and Resource Planning) especially ERP-R&D Module (Project Management) and Business Development Module management (BD). He also mentioned how to effectively use and implement the ERP-R&D Module & BD Module at CSIR-AMPRI by the concerned nodal officer (PI's of the ongoing projects), scientists and technical officers.

In his opening remarks, Dr Srivastava remarked that the use of ERP is going to be mandatory for all

the CSIR labs. He further informed that CSIR-AMPRI has 43 ongoing projects and all the projects need to be connected with ERP. All the scientists & PIs may create their login



Dr. Avanish Kumar Srivastava, Director, CSIR-AMPRI, interacting with Scientists & Technical Officers briefed the importance and need of implementation of R&D Module & BD Module at ONE CSIR Portal



Dr. S.K.S. Rathore, Head, PPD and Head, BD briefing the importance of R&D and BD module



Dr A.K. Singh, Head, IT,
Chairman & Nodal Officer, ERP



Dr J.P. Chaurasia, Principal Scientist,
PPD

Dr S.K.S. Rathore, Head, PPD and Head, BD, emphasised the importance of “R&D Planning and Management at CSIR-AMPRI, Bhopal” and highlighted the salient features of the “Business Module”. He briefly mentioned about the importance of R&D and BD module and expected that all scientists and technical officers would be sensitised about activities through ERP.



on this portal and all records related with projects (newly sanctioned and ongoing), publication, patent, knowhow/technology, etc. should be documented in ERP.

Dr S.K.S. Rathore, Head, PPD and Head, BD, emphasised the importance of “R&D Planning and Management at CSIR-AMPRI, Bhopal” and highlighted the salient features of the “Business Module”. He briefly mentioned about the

importance of R&D and BD module and expected that all scientists and technical officers would be sensitised about activities through ERP. He further guided the scientists and technical officers in uploading project documents on R&D, BD Module.

Dr A.K. Singh, Head, IT, Chairman & Nodal Officer, ERP, gave a detailed presentation on “Introduction of ONE-CSIR ERP and Role Mapping”. Dr Singh



Discussions in the meeting

explained in detail about Our New Enterprise (ONE) CSIR, Enterprise and Resource Planning and Role Mapping. He also discussed the key modules available in the ERP portal, functionality, roles and processes used by the scientists. Dr A.K. Singh further discussed and demonstrated, in brief, the Human Resource, E-Learning, Policy and Programme, Materials Management, Financial Management and Project Management Office (PMO) modules of ERP and R&D module by the creation of project entry in ERP till completion of entry.

Dr J.P. Chaurasia, Principal Scientist, PPD and Organising Secretary of the workshop presented a “Live Demonstration on Management of R&D Module and BD Module of ONE-CSIR and Information Management of on-going projects”. Dr Chaurasia conveyed that PIs/Co-PIs are expected to submit the detailed project proposals through ERP-R&D and BD Module after approval by the competent authority. Dr Chaurasia

further informed that the summation of all ongoing projects and relevant information is mandatory in ERP (R&D and BD Module).

Dr Chaurasia gave a live demonstration and explained how to open ERP-R&D/BD Module and submit the project details, monthly, quarterly report and project completion report in R&D Module, patent, publication, knowhow/technology, etc. related data in BD Module.

Shri Pavan Shrivastava, Protocol officer highlighted the features of the ONE-CSIR System with emphasis on Role Mapping and processes which are to be made functional under HR Module.

Shri R.N. Waghmare, AO, shared his experience about Our New Enterprise (ONE) CSIR, ERP Portal. The ERP system has many features comprising scientific module related to administrative activities, HR and Finance activities.

The meeting ended with a vote of thanks to the chair, scientists and technical officers by Shri R.N. Waghmare, AO.

Dr Chaurasia conveyed that PIs/Co-PIs are expected to submit the detailed project proposals through ERP-R&D and BD Module after approval by the competent authority. Dr Chaurasia further informed that the summation of all ongoing projects and relevant information is mandatory in ERP (R&D and BD Module).

CSIR-CBRI Observes “Swachhta Pakhwada”

Dr N. Gopalakrishnan, Director, CSIR-CBRI, Roorkee, inaugurated the Swachhta Pakhwada by administering the “Swachhta Shapath” wherein the employees of the institute pledged to donate at least 100 hours per year, i.e. 2 hours per week of their time and energy to keep their villages, societies and surroundings clean for overall development of the country.



Dr N. Gopalakrishnan administering the “Swachhta Shapath” to the institute employees

CSIR-Central Building Research Institute (CSIR-CBRI), Roorkee, observed the Swachhta Pakhwada during 1-15 May 2019 in which various awareness programmes were organised.

Dr N. Gopalakrishnan, Director, CSIR-CBRI, Roorkee, inaugurated the

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Dr N. Gopalakrishnan planting trees in the Institute premises



Extensive cleaning of the Institute premises under “Swachh Parisar”

Under the “Swachh Paryavaran” programme, Dr N. Gopalakrishnan and the employees planted trees around the institute premises to promote a clean and healthy environment.

The message of cleanliness was spread through e-mails, notice boards, banners, digital displays, etc. under the “Swachhta Jagrukta” drive. Extensive cleaning of the Institute premises, pest control and fogging were also carried out.

The canteen and mess at the Institute and guest houses were inspected under “Swachh Ahaar” programme and emphasis was given on the practice of clean and nutritious diet, plastic restriction and use of dustbin, etc.

“Swachh Neer” was carried out for cleaning and repairing of all the water installations, drinking water filters, faucets, tank, leaking pipes, etc. “Swachh Prasadhan” encompassed the cleaning of all the toilets, sewer lines and drainage systems, etc. of the Institute, residential area and school.

Several student-scientist awareness and interactive activities, a part of “Swachh Bhawishya” and “Swachh Pratispardha”, were carried out for



“Swachh Bhawishya” programme at Arya Kanya Pathshala Inter College

the students to educate them on the importance of cleanliness during the Swachhta Pakhwada, under the aegis of JIGYASA: Student-Scientist Connect Programme.

CSIR-CBRI scientists and experts visited the schools of Roorkee and encouraged the students to adopt clean conduct in daily activities. The students pledged to keep their home, locality, town, and school clean for a Swachh Bharat.

Slogan & Essay Writing Competition were also organised for the students on the topic “Swachh Bharat” at CBRI Junior High School

A total of about 2350 students of SSDPC Girls’ Inter College, Arya

CSIR-CBRI scientists and experts visited the schools of Roorkee and encouraged the students to adopt clean conduct in daily activities. The students pledged to keep their home, locality, town, and school clean for a Swachh Bharat.



“Swachh Bhawishya” Programme at Arya Kanya Pathshala Inter College



Participants during Slogan & Essay Writing Competition

Kanya Pathshala Inter College and CBRI Junior High School along with their respective Principals and teachers participated in the various programmes.

The message of Swachhta was thoroughly propagated to the public at large under the “Swachh Samaj” programme with media coverage of all the events through the press, posts on social media, etc.

Dr Manoj Kumar Patairiya, Director, CSIR-NISCAIR, lauded the efforts of our Hon'ble Prime Minister Shri Narendra Modi for bringing the much-awaited recognition for Yoga on the world forum and also actively promoting Yoga for the benefit of everyone.

International Day of Yoga Celebration at CSIR-NISCAIR



Dr Manoj Kumar Patairiya, Director, CSIR-NISCAIR welcoming Dr Mehra

On the occasion of the 5th of Science Communication and International day of Yoga on 21 Information Resources (CSIR-June 2019, CSIR-National Institute NISCAIR), New Delhi, organised

a talk by Dr Raakhi Mehra, Ayurveda Yoga Consultant, Technical Course Coordinator, Bharatiya Vidya Bhavan, and Assistant Director AYUSH, and a Yoga demonstration by Shri Yogendra Maurya, Yoga performer. Dr Mehra has an experience of over 20 years in Kshar sutra surgeries. She has also authored 8 books and 578 popular research papers in national and international journals, magazines and national newspapers.

In his opening remarks, Dr Manoj Kumar Patariya, Director, CSIR-NISCAIR, lauded the efforts of our Hon'ble Prime Minister Shri Narendra Modi for bringing the much-awaited recognition for Yoga on the world forum and also actively promoting Yoga for the benefit of everyone. Dr Patariya emphasised on the importance of both "Yoga" i.e. holistic rejuvenation of body and mind, and "Viyoga" i.e. dissociation from materialistic lifestyle. He stressed on the fact that Yoga is not only performing physical exercise but also sacrificing worldly pleasure and coming out of comfort zone which is essential for inner well-being and happiness.

Dr Raakhi Mehra, the Chief Guest on the occasion, addressed the gathering and highlighted the fact that Yoga originated from India. She further explained Kapil's Sankhya Darshan "YOGAYU" which is a unified form of Ayu quadripad, i.e. Sharir, Indriya, Mann and Aatma.



Dr Raakhi Mehra, Ayurveda Yoga Consultant, Technical Course Coordinator, Bharatiya Vidya Bhavan, and Assistant Director AYUSH

She emphasised on the art and science of life i.e. hitahitam which aims at attaining four Purusarthas through service to self, society and family, correct living, good conduct, longevity, and humanity.

She explained the connection between the modern sedentary lifestyle and work culture leading to everyday stress and anxiety, and their connection with various cardio- and neuro-vascular diseases, especially in women. She stated that stress also initiates early senility, cellular damage, and various other biochemical changes in the human body. However, YOGAYU can be a solution to overall health, healing, harmony and happiness which is nothing but the science behind the unified state of body, mind and soul through Yoga i.e. Union of Self.



She explained the connection between the modern sedentary lifestyle and work culture leading to everyday stress and anxiety, and their connection with various cardio- and neuro-vascular diseases, especially in women.



Yoga demonstration



Dr Mehra very beautifully explained the concept of being “Healthy” i.e. for overall balanced physical, mental, senses, intellectual

and spiritual health both Ayurveda (body and mind) and Yoga (mind and emotions) are required. She later talked about various relaxation techniques such as Instant Relaxation Technique (IRT), Quick Relaxation Technique (QRT), Rhythmic Relaxation Technique (RRT), Deep Relaxation Technique (DRT), Mind Sound Resonance Technique (MSRT), Modified Story Memory Technique (MSMT), ANAM yoga, etc. These relaxation techniques play a key role in fostering endurance, neuromuscular coordination and mental preparation.

In the end, there was a demonstration of Yoga protocols by Shri Yogendra Maurya who demonstrated QRT and various other Yogasanas such as Trikonasana, Garudasana, Vrikshasana, Bhujangasana, Vajrasana, Dandasana, etc. to the audience. Shri Maurya also demonstrated Jalneti kriya to the audience present.

Finally, Dr Mehra and Shri Maurya helped the audience to perform Pranayam kriyas such as Anulom-Vilom, Sitali Pranayam, Sitkari Pranayam, etc.

The take-home message on the International Day of Yoga 2019 was that Yoga is the art of living and is essential for holistic body-mind health, healing, harmony and happiness.

*Contributed by
Dr Charu Lata, Scientist,
CSIR-NISCAIR, New Delhi*

CSIR-CEERI Observes International Yoga Day 2019

International Yoga Day was observed in CSIR-CEERI, Pilani on 21 June 2019. Mrs Dolly Aggarwal, member of CEERI Women's Club, and Mr Dharmaveer Singh, Yoga instructor of LN Birla Yoga and Naturopathy Medicine Centre were invited during the morning and afternoon Yoga sessions respectively as yoga trainers.

The main event was organised in the institute's auditorium in the afternoon. During the event, information related to Yoga and Pranayam was given to the audience by Mr Dharmaveer Singh through a lecture-cum-demo session.

On this occasion, Dr P.K. Khanna, Officiating Director and Mr Vinod Kumar, Administrative Officer along with other Senior Scientists of the Institute were present. Student trainees including PF, SPF, JRF, SRF, AcSIR, also attended the session.

Shri Dharmaveer Singh highlighted the importance of yoga and emphasised its importance in keeping the body healthy. He said that in today's mechanical era, people often make excuses of lack of time. He appealed to the audience to take out some time to reap the benefits of yoga for health.

He demonstrated the methods of performing different Yogasanas and Pranayams. He also shared information about the benefits and precautions to be taken while performing these asanas. He



Highlighting the importance of yoga and pranayama, Shri Dharmaveer Singh, Yoga instructor, LN Birla Yoga and Naturopathy Center, Pilani



Audience practising yoga in the auditorium



Felicitating of Mr Dharmaveer Singh by Dr P.K. Khanna, Officiating Director



Participants practising Yoga Asana during the morning session



Dr P.K. Khanna, addressing the audience



Mrs Dolly Aggarwal being felicitated by the Director

said that the process of breathing is important while doing every Asana and Pranayama, and it is important to do some light warm-up exercises

before starting yoga.

Earlier in the morning session, senior member of CEERI Women's Club, Smt. Dolly Agarwal, demonstrated yoga and pranayama actions to the participants in the main lawns of the Institute. She also explained the process and benefits of each yoga asana.

In his address, Dr P.K. Khanna underlined the importance of yoga for physical and mental health. He said that we must not take yoga and pranayama as an obligation towards our duty on the occasion of Yoga Day only. He said that if we want to be healthy, we must inevitably practise yoga in our daily life.

CSIR-NEIST Celebrates 5th International Yoga Day

CSIR-North East Institute of Science and Technology (NEIST) celebrated the 5th edition of the International Yoga Day with great joy and enthusiasm at its premises on 21 June 2019 with a well-charted out programme. A special function was held at Dr J.N. Auditorium, CSIR-NEIST, wherein Dr S.C.

Kalita, Scientist-Incharge, CSIR-NEIST presided over the function attended by a large number of CSIR-NEIST staff and students.

Shrijit Probin Kumar Goswami, Founder Principal of Jorhat Yogabigyan Mahavidyalaya, Jorhat, graced the occasion as Chief Guest and delivered a motivational lecture

on Yoga for Healthy Life. Talking about the health benefits of Yoga, Shrijt Goswami said that he never visited any doctors or took medicines after performing yoga for the last 30-35 years. He said that performing yoga for 30-40 minutes every day can boost or improve the immune system which could result in a happy, healthy and positive life.

On the occasion, a Yoga Class was also arranged at CSIR-NEIST Staff Club for all the staff members & their family members and students.

Shrijt. Probin Kumar Goswami, delivering lecture on Yoga for Healthy Life



Shri S.C. Kalita, Scientist-Incharge, CSIR-NEIST felicitating Shrijt. Probin Kumar Goswami



International Yoga Day at CSIR-NIO

On the occasion of the 5th International Day of Yoga, the CSIR-National Institute of Oceanography (NIO), Goa, celebrated the day at the institute. Mrs Sheena O.M. Prakash was the chief guest, Miss Radhika Bandekar, Master Sairam Naidu and Master Zaheer Loni were the young instructors from the Goa State Yoga Academy.

Director NIO, Prof. Sunil Kumar Singh welcomed the gathering and stressed on the need for yoga and the benefits to our mind and body. Later Mrs Sheena presented a talk on “Bridging the gap between Science and Spirituality”, wherein she explained how to remain calm and prepared. She also had a meditation session where the NIO staff members participated. Earlier Miss



Radhika and group demonstrated a few yogasanas. Mr Santosh Jakhi proposed the vote of thanks.

Honours and Awards

Ms Nalinee Suryawanshi Receives SRISTI-Gandhian Young Technological Innovation Award 2019



Hon'ble Shri M. Venkaiah Naidu, Vice President of India gave away the award to Ms Nalinee Suryawanshi

SRISTI (Society for Research and Initiatives for Sustainable Technologies and Institutions) has established three national awards with BIRAC (Biotechnology Industry Research Assistance Council) for innovative student projects in engineering, biotechnology, agriculture, pharmacy, material science and other applied technological domains.

Ms Nalinee Suryawanshi, a research student of CSIR-National Chemical Laboratory (CSIR-NCL), Pune, received the SRISTI-Gandhian Young Technological Innovation Award (GYTI) 2019 on 6 July 2019 at Vigyan Bhavan, New Delhi.

Ms Nalinee graduated in Petrochemical Engineering from Dr Babasaheb Ambedkar Technological University, Lonere, in the year 2012. Currently, she is pursuing doctoral research under the guidance of Dr Vinay Bhandari at the Chemical Engineering and Process Development Division. Her doctoral work is mainly focused on “Studies in sulfur removal processes for transportation fuels”.

Ms Nalinee under the guidance of Dr Bhandari developed the technology for “Non-Catalytic deep desulfurization process using

hydrodynamic cavitation” at CSIR-NCL. This technology is a novel low-cost process for sulfur removal from fuels (diesel, gasoline/petrol, kerosene) and organics. It is easy to operate having mild operating conditions and leads to complete sulfur removal without using any chemicals and catalysts. It has a wide scope in refineries and chemical industries to reduce air pollution.

SRISTI (Society for Research and Initiatives for Sustainable Technologies and Institutions) has established three national awards with BIRAC (Biotechnology Industry Research Assistance Council) for innovative student projects in engineering, biotechnology, agriculture, pharmacy, material science and other applied technological domains. The awards were given to 21 young researchers for innovations related to 42 categories this year.

SRISTI-GYTI Awards celebrate the spirit of student innovation in all the fields of engineering, science, technology and design through an extremely affordable/frugal solution or the ones pushing the technological edge.

The award was given by Hon'ble Shri M. Venkaiah Naidu, Vice President of India in presence of the Union

Minister for Health & Family Welfare, Science & Technology and Earth Sciences, Dr Harsh Vardhan, Dr R.A. Mashelkar, Former DG, CSIR, Chairman of BIRAC SITARE, GYTI programme, Dr Renu Swarup, Secretary, Department of Biotechnology.



CSIR-IITR Scientist Bags A.P.J. Abdul Kalam Award

Dr A.P.J. Abdul Kalam Cray HPC award for the year 2019 was awarded to Dr Ramakrishnan Parthasarathi, Principal Scientist, CSIR-IITR, Lucknow, on 7 July 2019 at the Indian Institute of Tropical Meteorology (IITM), Pune. The jury members recognised Dr Parthasarathi's efforts and his outstanding & sustained contributions in the field under researcher category towards High-Performance Computing R&D in HPC

Applications in India. He is the first CSIR scientist who has received this prestigious honour with the citation "for his contributions in applied computational bioscience to understand the structure and reactivity of biomolecular assemblies".

Cray Supercomputers, India and Intel organised the event at IITM, Pune, for felicitating outstanding contributions of scientists in the area of HPC R&D in India. Professor Dr N. Balakrishnan (SERC, IISc) Jury Chair shared details about the inception of the award in the honour of former president Dr Kalam and his efforts in establishing supercomputing capabilities across India.



Dr Madhavan Nair Rajeevan, Secretary, Ministry of Earth Sciences, the Chief Guest and Dr Shekhar C. Mande, Secretary, DSIR and Director General, CSIR, Guest of Honour presided over the award ceremony and addressed the gathering.

Dr Shekhar Mande in his remarks congratulated all the award winners and specially mentioned his happiness that this prominent recognition was received by a CSIR scientist. He shared information about upcoming flagship programmes of CSIR on utilising advanced computing in the domain of agricultural and human health.

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Award for Excellence in Hindi to CSIR-NISCAIR



From right: Dr Manoj Kumar Patairiya, Director, CSIR-NISCAIR, Mr Hasan Jawaid Khan, HOD, IPSD and Ms Meenakshi Gaur receiving the award for excellence in Hindi



Shri Amiya Bindu Gupta, Section Officer, CSIR-NISCAIR with the award

CSIR-NISCAIR, New Delhi, has been awarded the first prize under the medium category offices

(empanelled under TOLIC) for the best performance in implementing Rajbhasha policies among institutions for the year 2018-2019. The award was given in the annual meeting of the Town Official Language Implementation Committee (North Delhi) held at the National Agricultural Science Complex (NASC), New Delhi, on 26 June 2019.

This was a proud moment for the institute as this was the fourth year in succession that CSIR-NISCAIR received this award. During the last three years 2015-16, 2016-17 and 2017-18, the institute won the prizes under the same category.

Besides, Mr Amiya Bindu, Section Officer, CSIR-NISCAIR, was also awarded the second prize of ₹ 3000/- and a shield in the picture illustration competition which was organised in January 2019 for TOLIC officers (North Delhi).

The awards were conferred by the Town Official Language Implementation Committee (TOLIC), North Delhi, which have been constituted in various towns all through the nation for ensuring the progress of implementation of Hindi language. TOLIC (North Delhi) comprises 60 offices.

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