

VIBES

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NISER Newsletter

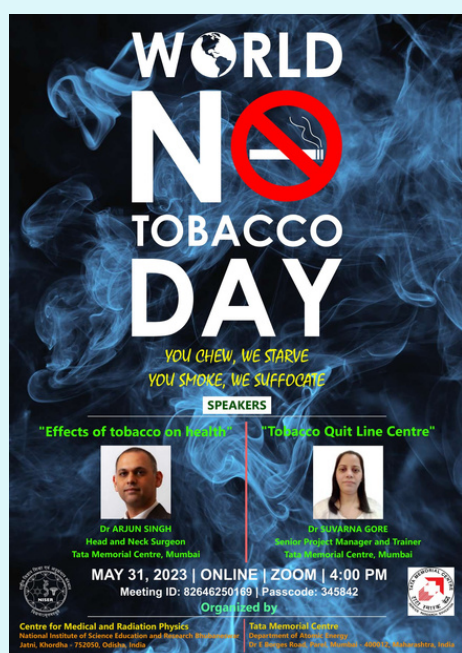
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January-June

2023



- In observance of World No-Tobacco Day on May 31, 2023, Tata Memorial Centre, Mumbai, and NISER jointly organised a virtual conference. This event encompassed a pair of engaging and insightful presentations. The first talk, "**Effects of Tobacco on Health**," was delivered by Dr. Arjun Singh, a head and neck surgeon at Tata Memorial Centre, Mumbai. The second lecture, "**Tobacco Quit Line Centre**," was presented by Dr. Suvarna Gore, a Senior Project Manager cum Trainer at Tata Memorial Centre, Mumbai.



NISER Outreach Talk Series

- On February 3, 2023, Prof. S. Balachandra Rao presented a lecture titled "**Aryabhata and His Contributions**," while Prof. Venugopal Padmaja delivered a talk titled "**Calculation of Eclipse in Classical Indian Astronomy**."
- On April 7, 2023, Prof. Jagat K. Roy delivered a presentation titled "**Cell division and cancer: A glimpse into the HPV induced cervix cancer**."
- On April 21, 2023, Prof. Alok Goswami presented a talk titled "**An interesting counting problem and its even more interesting solution**."

The Free Radicals Talks

- TFR organised Alumni Talk on "**Tackling Multireference Quantum Chemistry by Incorporating Selected Configuration Interaction in Moment Energy Expansions**" by Ms. Swati Snigdha Priyadarsini, Michigan State University, USA, on January 4, 2023, and on "**Hybrid QM: QM methods for adsorption of ethanol in H-MFI**" by Mr. Dipansu Kumar, Radboud University, Netherlands on January 6, 2023.
- Alumni Talk on "**Structure, Assembly, and Properties of Cephalopod Protein-Based Materials**" by Dr. Preeta Pratakshya, University of California, Berkeley, on February 6, 2023, and on "**Bio-orthogonal masked acylating agents for proximity labelling**" by Ms. Subhashree Pani, the University of Chicago, USA on May 8, 2023.



Research & Innovation

We extend our heartfelt appreciation to the Department of Atomic Energy (DAE) for their steadfast financial support, a catalyst that has propelled NISER to the vanguard of cutting-edge research and development. In the fiscal year culminating in March 2023, our esteemed faculty members have charted remarkable achievements by securing a total of fourteen new research projects. This formidable feat has yielded a significant infusion of funding amounting to Rs. 6.00 crores

from avenues beyond the purview of DAE. Noteworthy contributors to this funding include esteemed institutions such as the Department of Science and Technology (DST), Department of Biotechnology (DBT), Science and Engineering Research Board (SERB), Department of Space, Indian Council of Medical Research (ICMR), and Council of Scientific and Industrial Research (CSIR), among other pivotal organisations.

Memorandum of Understanding

NISER and Odisha State Higher Education Council (OSHEC) have formalised their partnership through a signed MoU. The Government of Odisha's Higher Education Department has launched several innovative programmes to enhance the research and innovation environment of state universities and colleges. Two prominent schemes under this initiative are the "Odisha University Research and Innovation Incentivization Plan (OURIIP)" and the establishment of Multidisciplinary Research Centres of Excellence (MRCoE) at state institutions. NISER will contribute its research facilities to support the OURIIP and MRCoE projects, with the duration in alignment with OSHEC's sanction.

