



Technical Article

- Novel Magnetic Graphene Oxide Composite Material as a Solid-Phase Adsorbent for Uranium Removal

Young Officer's FORUM

- IN-SITU Calibration System for Area Gamma Monitors and Autonomous Gamma Dose Loggers

Young Researcher's FORUM

- Inter-droplet Force Between Magnetically Polarizable Pickering Oil-in-water Nanoemulsions Stabilized with γ - Al_2O_3 Nanoparticles: Role of Electrostatic and Electric Dipolar Interactions

News and Events

- Role of Nuclear and other Advanced Technologies for Climate Change Control
- Hindi Workshop
- Report on Transfer of IGCAR's Conductivity Meter Technology
- Women's Day Celebrations at IGCAR 2023

Awards, Honours and Recognitions

Bio-diversity @ DAE Campus, Kalpakkam



Director's Message

Dear Colleagues,

The fuel handling operation required for the 32nd campaign of FBTR was planned in two stages. The first stage of fuel handling operation to load two MK-1 fuel assemblies into the core, was completed. Reactor was started on 31st March to measure shutdown margin and operated at 25kWt to measure control rod worth. Commissioning of new 670 kW, 6.6 kV HT motor for Main Boiler Feed Pump (MBFP)-"A" was completed. An integrity test of MBFP motor-A for 100 hrs continuous operation was completed. All the mandatory surveillance checks including DG load test as per the planned schedule were carried out. 64th campaign for reprocessing of 105 GWd/t Burnup FBTR fuel in CORAL facility has been completed successfully.

The upgraded Online Nuclear Emergency Response System (ONERS-2) with provisions for radiological consequence assessments using Time-Dependent source Terms has been installed along with Numerical Weather Prediction & Dispersion Models on the High Performance Computing System at the Nuclear and Radiological Emergency Monitoring Cell, AERB Mumbai. The ONERS is used by NREMC-AERB for monitoring of emergency exercises and training purposes. The installation of C-Band Doppler Weather RADAR at Kalpakkam site in collaboration with ISTRAC has been completed. Endurance test and other commissioning works are in progress.

The transfer of Pulsating sensor-based conductivity meter technology developed in IGCAR to M/s. Lablink, Mumbai based industry on a non-exclusive basis was carried out as part of 'Atma Nirbhar Bharat' mission.

Women's day was celebrated from March 1-7, 2023, at IGCAR. Ministry of Women and Child Development had directed DAE to create awareness about the schemes developed by the government for the welfare of women. The celebrations included competitions and felicitating girl students who have excelled in studies, sports, and cultural events.

I appreciate the efforts of the editorial committee and the authors for their contributions to the newsletter.

[B. Venkatraman]
Director IGCAR & GSO

Hindi Workshop

February 02, 2023



Glimpses of Hindi Workshop

A one day Hindi workshop was organized on 16-02-2023 at Raja Ramanna Auditorium for the employees of IGCAR, Kalpakkam during January-March quarter. The workshop was divided into a total of four sessions. In the first session, Shri Raju Pandey, Sr. Manager (Official Language), BHAVINI, Kalpakkam delivered his lecture on the topic of Official Language Policy. In the second session, the employees were made to practice noting and drafting in Hindi by Shri Sunil Kumar Jangid, Hindi teacher, Hindi Teaching Scheme. In the third session which started after lunch, Shri Prabhat Kumar Sharma, Deputy Director (Official Language), Hindi

Section, IGCAR delivered his lecture on Hindi Incentive Scheme of DAE (ATOLIS) and encouraged them to participate in that scheme. In the fourth and last session, employees participating in the workshop were given information about the use of Hindi on computer and were given Hindi typing practice by Shri Jitendra Gupta, UDC, Hindi Section, IGCAR. The workshop ended with a feedback and valedictory session followed by tea.

*Reported by
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