

## IANCAS WORKSHOP Report 78

The 78<sup>th</sup> DAE-IANCAS National workshop was organized at Bombay College of Pharmacy, Kalina, Santacruz (E) Mumbai for the benefit of Pharmacy college faculty members and research students during 12-17 March, 2012 at Bombay College of Pharmacy. The workshop was attended by about 40 participants from pharmacy colleges in Mumbai. It was an exclusive workshop designed with the orientation to application of radioisotopes and radiation in Pharmacy and Pharmaceuticals science. The scientists from BRIT and BARC delivered lectures and conducted the practical classes. In addition to general radiochemistry and nuclear chemistry, the topics such as medical radioisotope production, diagnostic & therapeutic radiopharmaceuticals, nuclear medicine, medical cyclotron & PET radiopharmaceuticals, application of radiotracer in pharmaceuticals research, radiation sterilization & radiation based new material for pharmaceutical application, radiation protection, radiation measurement, radioisotope generators, radioimmunoassay for drug analysis etc were covered in the workshop.

The practical section included, RIA, <sup>99m</sup>Tc Generator & characterization of <sup>99m</sup>Tc pertechnetate, radiorespirometry using <sup>14</sup>C glucose, <sup>14</sup>C urea Breath Test for diagnosis of helicobacter pylori infection, Preparation of <sup>32</sup>P labeled DNA probe, Liquid scintillation and gamma counting, radioiodination of protein & purification, . A film on role of BRIT in radioisotope application was also shown to the participants. The participation certificate was handed over to participants by DR AVR Reddy at the valedictory function on 17 March, 2012. The workshop was co-ordinated by Dr N. Sivaprasad, BRIT from IANCAS side and Prof (Mrs) Nagarsenkar from Bombay College of Pharmacy.