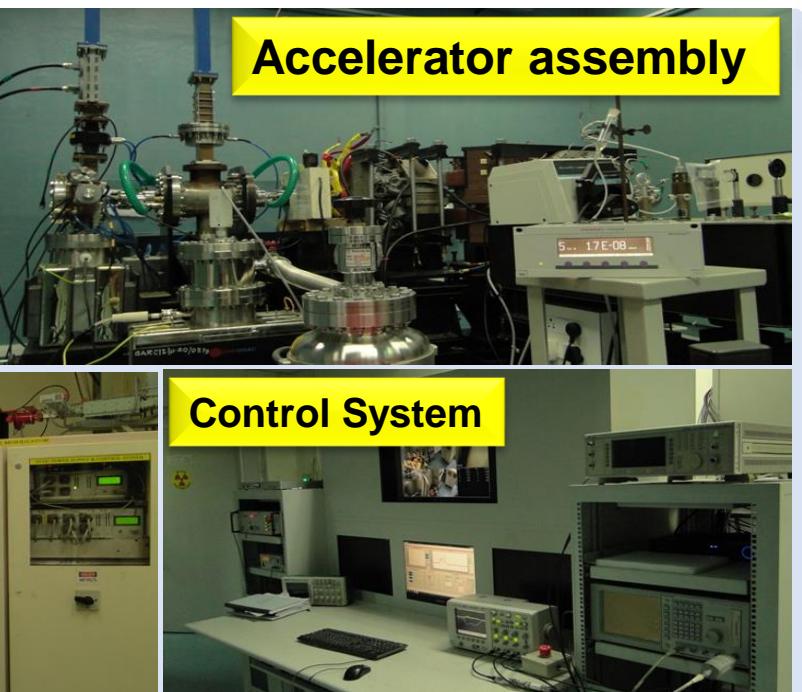
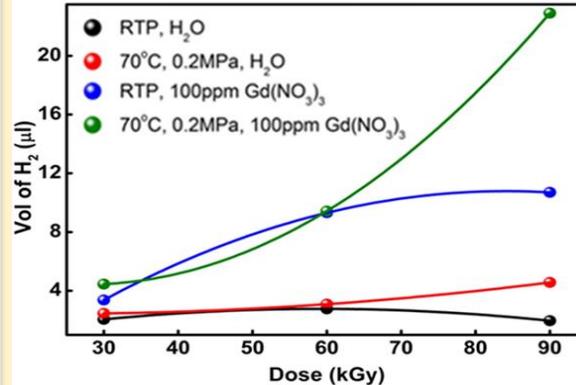


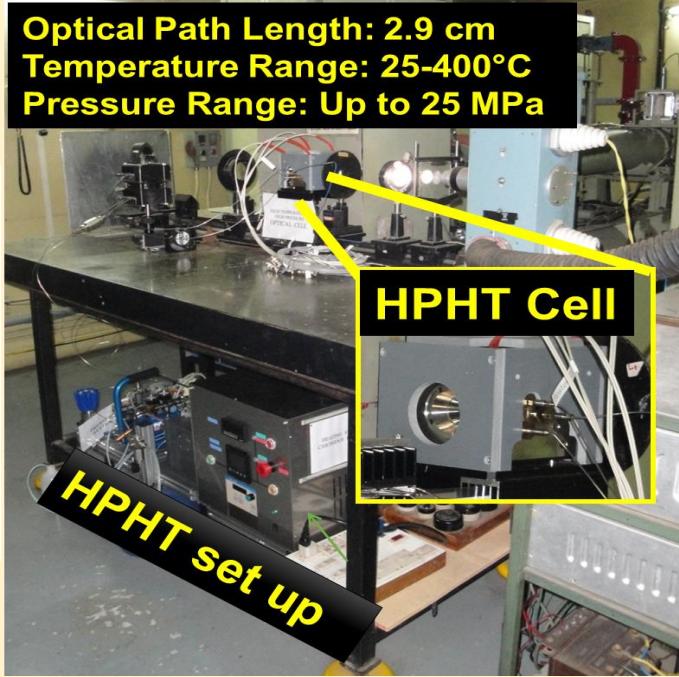
Development of Picosecond Electron Accelerator



Reactor Oriented Research

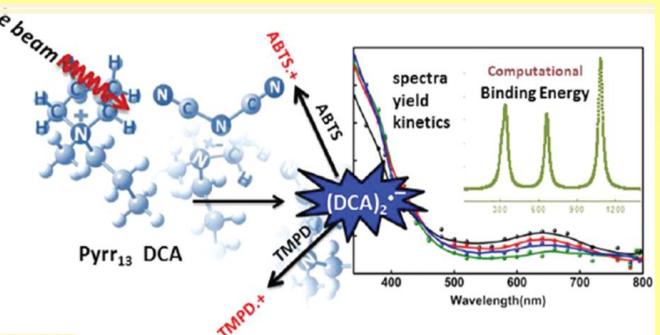


Radiolysis of water in presence of 100 ppm Gd^{3+} @AHWR moderator condition (70°C & 0.2 MPa)



Pulse Radiolysis Facility

Understanding of redox processes & Radiation stability are important aspects

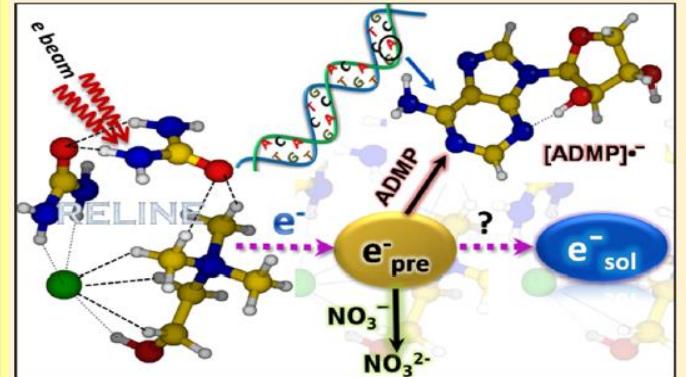


Dimer radical anion formation observed in pyridinium IL

JPC A 2018, 12, 3148–3155

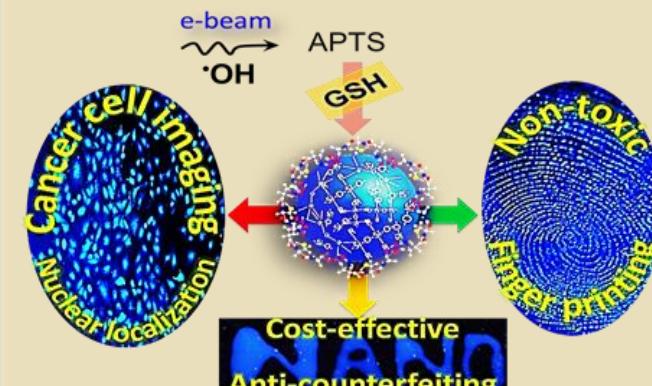
Direct observation of solvated electron in Deep eutectic solvents

JPC B 2018, 122, 8900–8907



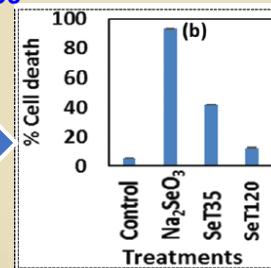
Nanomaterials for Biomedical & Forensics

Ionizing radiations for synthesis of variety of nanomaterials



ChemComm
2018, 54, 8753-8756

Se NPs



Size & Phase

ACS APPLIED NANO MATERIALS 2020, 3, 5123-5138