

## LIST OF PUBLICATIONS

- [1] **Pradyot Nanda**, Sankar Maity, Namita Pandey, Ruma Ray, A.K.Thakur and Sujata Tarafdar “**Conductivity Enhancement in Polymer Electrolytes on Gamma Irradiation**” Radiation Physics and Chemistry 80 (2011) 22-27
- [2] Sujata Tarafdar, S.K. De, Sujit Manna, Udayan De and **Pradyot Nanda** “**Variation in viscosity and ion-conductivity of a polymer –salt complex exposed to gamma irradiation**” PRAMANA J. Phys, vol.74, (2010) pp. 271-279
- [3] **Pradyot Nanda**, S.K. De, Sujit Manna, Udayan De, Sujata Tarafdar “**Effect of gamma irradiation on a polymer electrolyte: Variation in crystallinity, viscosity and ion-conductivity with dose**” Nuclear Instruments and Methods in Physics Research B **268** (2010) 73–78
- [4] S. Tarafdar, **Pradyot Nanda**, U. De, S. Manna and S K De “**Effect of Gamma Irradiation on Properties of polymer Electrolytes**” Solid State Ionics: New materials for pollution free energy devices, ed. B V R Chowdari et al. (Macmillan India, Delhi, 2008), pg. 99

[5] Pradyot Nanda, T. R. Middya, U. De, S. Tarafdar **“DSC Study of the Effect of Gamma Irradiation on a polymer Electrolyte”** Solid State Ionics: New materials for pollution free energy devices, ed. B V R Chowdari et al. (Macmillan India, Delhi, 2008), pg. 543

[6] Pradyot Nanda, **“Thermal Transitions and the Orientation of the Molecules and Ion Conductivity Enhancement on Polymer Electrolytes Exposed to different doses of Gamma Irradiation”** Gangarampur College Academic Series, vol.1, (2014) pp. 40-61

[7] Pradyot Nanda, **“Variation in Ion Conductivity of PEO-NH<sub>4</sub>ClO<sub>4</sub> with Varying Salt Fraction on Exposed to Gamma Radiation of Different Doses”** Gangarampur College Academic Series, ed. Pradyot Nanda vol.3, (2020) pp. 23-27

