

List of Publications:

- 1*. Effect of Ion-beam Irradiation on Hardness of PET
N L Singh, C F Desai, Nilam Shah, P H Soni, V Shrinet, D K Avasthi
J. Macromol. Sci. PAC, A39 (2002) 231.
2. Micro hardness and Radiation Damage Studies of Proton Irradiated Kapton Films
Nilam Shah, N L Singh, C F Desai, K P Singh
Radiation measurement, 36 (2003) 699.
3. *Dielectric properties of proton irradiated PES*
Nilam Shah, N. L. Singh, K. P. Singh
DAE, Solid State Physics 46C (2003) 693.
4. Modification of polyethylene terephthalate by proton irradiation
N L Singh, Nilam Shah, C F Desai, K P Singh, S K Arora
Radiation Effects and Defects in Solids, 159 (2004) 475.
5. Study of thermal and structural properties of proton irradiated PET films
N L Singh, Nilam Shah, K P Singh, A K Rakshit
Proceedings of the Fourteenth National symposium on Thermal analysis (2004) 213.
6. Electrical and thermal behavior of proton irradiated polymeric blends
N L Singh, Nilam Shah, K P Singh, C F Desai
Radiation measurement, 2005 – in press.
7. Proton induced modification in makrofol-DE
N L Singh, Nilam Shah, K P Singh
Bull. Mater. Sci., 2005 – in press.

- 8*. Surface modification of polyethylene terephthalate by plasma treatment
N L Singh, Anjum Qureshi, Nilam Shah, A K Rakshit, S Mukherjee,
A Tripathi, D K Avasthi
Radiation measurement, 2005 – in press.
9. Radiation induced degradation of three engineering polymers
N L Singh, Nilam Shah, K P Singh, A K Rakshit
Thermal Analysis and Calorimetry –communicated.
10. Study of microhardness and electrical properties of proton irradiated
polyether sulfone
Nilam Shah, N L Singh and K P Singh
Radiation Effects and Defects in Solids - communicated.
11. Electrical and thermal properties of proton irradiated polypropylene
Nilam Shah, N L Singh, Anjum Qureshi, K P Singh, D G Rathod
Indo German workshop on Synthesis and Modification of Nanostructured
Materials by Energetic Ion Beams (2005) 79. **(To be published in Nucl.
Instr. Meth. B).**

* This work is not included in thesis.