

List of Tables

Chapter-II

| Table 2.1: Thickness of the polymers | 47 |
|--|--------------|
| Table 2.2 Irradiation details of the samples | 56 |
| Chapter-III | |
| Table 3.1: % Crystallinity and crystalline size of Proton irradiated (PMMA+Pd(ac composite by XRD analysis | cac)) 108 |
| Table 3.2: % Crystallinity and crystalline size of Proton irradiated (PMMA composite by XRD analysis | +Ni) 121 |
| Table 3.3: Crystallite size of the pristine and Proton irradiated (PMMA+Ni-D composite by XRD | MG) 131 |

Chapter-IV

Table 4.1: % Crystallinity and crystalline size of Ni¹⁰⁺ irradiated (PMMA+Pd(acac))composite by XRD analysis163

Table4.2: % Crystallinity and crystalline size of Ni¹⁰⁺ irradiated (PMMA+Ni)composite by XRD analysis176

Chapter-V

Table 5.1: % Crystallinity and crystalline size of Ag11+ irradiated (PMMA+Pd(acac))composite by XRD analysis210