Radioactivity .Interaction of Radiation with Matter (Amin Z. EI-Behay) 5

Emergency Planning for Nuclear and Radiological Accidents (A. H. Abdel Ghani) 23

Accidental Dosimetry (Mohammad A. Gomaa) 41

Principle Considerations on Intervention Levels (Abdel-Razik Z. Hussein) 57

The Acute Radiation Syndromes (Anas M. El-Naggar) 69

High Dose Radiation Response at Molecular and Cellular Levels (Hamid M. Roushdy) 91

Biological Dosimetry (M. Bauchinger) 99

Internal Dose Evaluation; Biokinetic and Physical Models and their Application (L. Bogner) 117

Monitoring for Intakes of Radionuclides; Methods and Monitoring Programmes (W .Koelzer) 139

Therapeutic Measures and Intervention Levels after Incorporation of Radionuclides (V. Volt) 197

Affiliations and Addresses of the Contributors 213