

## Contents

### Papers

- Dragan Toprek*  
PROPOSED TRANSPORT BEAM LINE FOR DESIR 171-178
- Milić M. Pejović, Svetlana M. Pejović,  
Dragan Stojanov, Olivera F. Ciraj-Bjelac*  
SENSITIVITY OF RADFET FOR GAMMA AND X-RAY  
DOSES USED IN MEDICINE 179-185
- Adnan Calik, Sahin Akbunar, Nazim Ucar,  
Nihat Yilmaz, Mustafa Serdar Karakas, Iskender Akkurt*  
A COMPARISON OF RADIATION SHIELDING OF STAINLESS  
STEEL WITH DIFFERENT MAGNETIC PROPERTIES 186-189
- Vujo R. Drndarević, Nenad J. Jevtić,  
Vladimir M. Rajović, Srboljub J. Stanković*  
SMART IONIZATION CHAMBER FOR GAMMA-RAY MONITORING 190-198
- Abdul Raheem Kinsara, Samir Abdul-Majid, Wael El-Gammal,  
Tarik Albaghdadi, Abdulraof Maimani, Waleed H. Abulfaraj*  
EXTERNAL RADIATION DOSES FROM PATIENTS  
ADMINISTERED WITH RADIOPHARMACEUTICALS  
MEASUREMENTS AND MONTE CARLO SIMULATION 199-206
- Marina Poje, Ana Ivković, Slaven Jurković, Gordana Žauhar,  
Branko Vuković, Vanja Radolić, Igor Miklavčić, Zoran Kaliman,  
Josip Planinić, Hrvoje Brkić, Dario Faj*  
THE NEUTRON DOSE EQUIVALENT AROUND HIGH  
ENERGY MEDICAL ELECTRON LINEAR ACCELERATORS 207-212
- Matti Kauppinen, Esko Alasaarela, Antero Koivula, Sini Rouhiainen*  
OPTICAL TOMOGRAPHY FOR MEASURING DOSE  
DISTRIBUTION IN RADIATION THERAPY 213-219
- Aleksandra A. Milatović, Vesna M. Spasić Jokić, Slobodan I. Jovanović*  
PATIENT DOSE MEASUREMENT AND DOSE  
REDUCTION IN CHEST RADIOGRAPHY 220-225
- Aleksandra D. Samolov, Snežana D. Dragović,  
Marko Ž. Daković, Goran G. Bačić*  
NEURAL NETWORKS IN ANALYSING <sup>137</sup>Cs BEHAVIOUR  
IN THE AIR IN THE BELGRADE AREA 226-232
- Otilija D. Keta, Tanja M. Bulat, Lela B. Korićanac, Jelena J. Žakula,  
Giacomo Cuttone, Giuseppe Privitera, Ivan M. Petrović,  
Aleksandra M. Ristić-Fira*  
RADIOSENSITIZATION OF NON-SMALL CELL LUNG  
CARCINOMA BY EGFR INHIBITION 233-241
- Riaz Hussain, Sikander M. Mirza, Nasir M. Mirza*  
THE STUDY OF RESPONSE OF WIDE BAND GAP  
SEMICONDUCTOR DETECTORS USING THE GEANT4 242-248
- Javed Qadir, S. Hameed Qaiser, Mehar Ali, Masood Iqbal*  
CONDITION MONITORING OF PARR-1 ROTATING  
MACHINES BY VIBRATION ANALYSIS TECHNIQUE 249-252