

**Contents**

**Papers**

<i>Vitaly Uzikov, Irina Uzikova</i> UNIVERSAL SYSTEM OF PASSIVE HEAT REMOVAL FROM THE CORE OF A RESEARCH REACTOR	107-121
<i>Hui Ding, Quan Gan, Lijuan Hao, Jing Song, Yican Wu</i> VERIFICATION AND APPLICATION OF SuperMC3.3 TO LEAD-BISMUTH-COOLED FAST REACTOR	122-128
<i>Saša D. Milić, Branislav D. Vulević, Djordje M. Stojić</i> A FUZZY-MEASUREMENT ALGORITHM FOR ASSESSING THE IMPACT OF ELECTROMAGNETIC FIELDS ON HEALTH	129-137
<i>Ahmet Bayrak, Mete Yucel, Esra Barlas Yucel, Cenap S. Ozben</i> A SEGMENTED NEUTRON DETECTOR BASED ON SILICON-PIN PHOTODIODES USING NEUTRON-PROTON CONVERTERS	138-144
<i>Arpad. A. Toth, Luka. D. Dragojlović, Nevena V. Ignjatov, Mirjana Mikalački, Miodrag Krmar</i> IS ATTENUATION TECHNIQUE SENSITIVE ENOUGH TO BE USED TO MAKE A DISTINCTION BETWEEN FLATTENING FILTER AND FLATTENING FILTER FREE SPECTRUM OF A THERAPY LINAC	145-148
<i>Aybaba Hancerliogullari, Yosef G. Ali Madee, Ash Kurnaz, Seref Turhan</i> RADIOMETRIC PROPERTIES OF SEPIOLITE MINERALS FROM QUARRIES IN CENTRAL ANATOLIA OF TURKEY	149-156
<i>Senada Avdić, Adnan Beganović, Armin Lagumdžija, Samra Sadiković, Beco Pehlivanović, Damir Demirović, Irma Kadić</i> COMPARATIVE ANALYSIS OF GAMMA DOSE RATES MEASURED BY ION CHAMBER IN AND AROUND THE HISTORICAL SACRAL OBJECTS IN BOSNIA AND HERZEGOVINA	157-164
<i>Perko Vukotić, Ranko Zekić, Nevenka M. Antović, Tomislav Andjelić</i> RADON CONCENTRATIONS IN MULTI-STORY BUILDINGS IN MONTENEGRO	165-174
<i>Elsayed Salama, Hala A. Soliman</i> EVALUATION OF THE GAMMA DOSE RATE INSIDE EGYPTIAN BUILDINGS UTILIZING THEORETICAL AND EXPERIMENTAL TECHNIQUES	175-180
<i>Robert Z. Lakatoš, Sofija M. Forkapić, Vanja Radolić, Igor T. Čeliković, Selena D. Samardžić, Dušan S. Mrdja, Kristina I. Bikit-Schroeder</i> SIMULTANEOUS MEASUREMENTS OF RADON, THORON, AND EQUILIBRIUM EQUIVALENT CONCENTRATIONS IN FAMILY HOUSE – SINGLE CASE STUDY	181-188
<i>Jovan Lovrenski, Sanja Zahorjanski, Mina Strahinić, Ivan Varga, Aleksandra Lovrenski, Branislava Brestovački Svitlica</i> IONIZING RADIATION IN PEDIATRIC RADIOLOGY Do Medical Staff and Parents Know Enough – A Regional Study in Serbia	189-200
<i>Min Jun Kim, Ji Young Song, Jin Ho Park, Tae Gwan Do, Jin O Lee, and Kwang Pyo Kim</i> RADIOLOGICAL SAFETY ASSESSMENT FOR INCIDENT-FREE TRANSPORTATION OF RADIOACTIVE DECONTAMINATION WASTE AFTER THE FUKUSHIMA NUCLEAR POWER PLANT ACCIDENT	201-208