

NUCLEAR TECHNOLOGY & RADIATION PROTECTION

an international
scientific journal

UDC 621.039+614.876:504.06
ISSN 1451-3994

Editor-in-Chief

Rodoljub SIMOVIĆ

Editorial Board

Milojko KOVAČEVIĆ (Serbia)
Vladan LJUBENOV (Serbia)
Domiziano MOSTACCI (Italy)

Milan PEŠIĆ (Serbia)
Yury TETERIN (Russia)
Olivera CIRAJ BJELAC (Serbia)

Advisory Editorial Board

Francesco D'AURIA (Italy)
Tome BOSEVSKI (FYRM)
Sergej BULKIN (Russia)
Vujo DRNDAREVIĆ (Serbia)
Ezra ELIAS (Israel)
Kenzo FUJIMOTO (Japan)
Janos GADO (Hungary)
Ehud GREENSPAN (USA)
Miroslav KOPEČNI (Serbia)
Stathis KOSSIONIDES (Greece)

James McLAUGHLIN (Ireland)
Miodrag MESAROVIC (Serbia)
Vincenzo MOLINARI (Italy)
Gheorghe NEGUT (Romania)
Nebojša NEŠKOVIĆ (Serbia)
Predrag OSMOKROVIĆ (Serbia)
Imre PÁZSIT (Sweden)
Maria RANOGAJEC (Croatia)
Jordan STAMENOV (Bulgaria)

The journal Nuclear Technology & Radiation Protection is published twice a year on June and December by the Vinča Institute of Nuclear Sciences, P. O. Box 522, 11001 Belgrade, Serbia.

The editing of the journal is supported by the Ministry of Science of the Republic of Serbia.

All correspondence should be addressed to: Rodoljub SIMOVIĆ, Editor-in-Chief, Nuclear Technology & Radiation Protection, Vinča Institute of Nuclear Sciences Address: P. O. Box 522, 11001 Belgrade, Serbia Phone: (381-11)3408-718 Fax: (381-11) 244-74-57 E-mail: simovicr@vin.bg.ac.yu

Technical editor: Vladimir Živković *Proof readers:* Mina Ilić and Jelena Cagić *Computer work:* Sanja Denčić *Cover design:* Milijana Steljić *UDC:* Radmila Lučić *Front cover painting:* Stojan Čelić, Earth (1981, detail)

Printed by: Printing office of the Vinča Institute of Nuclear Sciences, 14-16 Mike Petrovića Alasa, 11306 Belgrade, Vinča, Serbia

Circulation: 500 copies

Founder
Nuclear Society of Serbia

Co-Founder
Radiation Protection Society of
Serbia and Montenegro

Publisher
Vinča Institute of Nuclear Sciences