APPLIED RADIATION AND ISOTOPES
A journal of nuclear and radiation techniques and their applications in the physical, chemical, biological, medical, earth, planetary, environmental, security and engineering science.

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DESCRIPTION

*Applied Radiation and Isotopes* provides a high quality medium for the publication of substantial, original and scientific and technological papers on the development and peaceful application of nuclear, radiation and radionuclide techniques in chemistry, physics, biochemistry, biology, medicine, security, engineering and in the earth, planetary and environmental sciences, all including dosimetry. Nuclear techniques are defined in the broadest sense and both experimental and theoretical papers are welcome. They include the development and use of α- and β-particles, X-rays and γ-rays, neutrons and other nuclear particles and radiations from all sources, including radionuclides, synchrotron sources, cyclotrons and reactors and from the natural environment.

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the earth’s crust, the hydrosphere, the atmosphere and planetary bodies; nuclear methods for exploration, extraction, transport and use of water, oil, gas, coal and other minerals. Radiochemistry: chemical behaviour and speciation of radionuclides. Environment: chemical behaviour and speciation of radionuclides and labelled compounds other than those of direct clinical interest, in geological, environmental, human, animal or plant systems; factors which modify this behaviour.

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AUDIENCE

Researchers involved in the production, measurement and application of radionuclides and radiation, in the physical, chemical, biological, medical, earth, planetary, environmental and engineering sciences.

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Development of nuclear analytical methods for applications in technology and biomedicine; neutronics, medical physics and radiation protection

**Ferenc Szelecsenyi**, Institute for Nuclear Research, Debrecen, Hungary

Production of radioactive isotopes with charged particle accelerators including PET, SPECT and therapeutically relevant isotopes, production related nuclear data measurement and evaluation, radiochemistry including automation of medical radioisotope production

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Nuclear Sciences, Nuclear Reactor, Neutron and gamma-ray spectrometry, Monte Carlo methods
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Radioisotopes. Radiopharmaceuticals, Nuclear Reactors, Nuclear Physics, Radiation Technology

Phillip Warwick, University of Southampton, Southampton, United Kingdom
Environmental radiochemistry, Analytical radiochemistry, Automation, Nuclear decommissioning, Nuclear waste characterisation, Nuclear forensics, Remediation technologies
GUIDE FOR AUTHORS

INTRODUCTION
Applied Radiation and Physics: A journal of nuclear and radiation techniques and their applications in the physical, chemical, biological, medical, earth, planetary, environmental, security and engineering science. The journal aims to publish papers with significance to an international audience, containing substantial novelty and scientific impact. The Editors reserve the rights to reject, with or without external review, papers that do not meet these criteria.

Types of Article
Manuscripts, which will be subject to peer review, should take one of the following forms:

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Authors are encouraged to have a look at the summary of the international guidelines for nomenclature for radiopharmaceutical chemistry when preparing their submission. The full text explaining the guidelines has been published as an article in Nuclear Medicine and Biology: Consensus nomenclature rules for radiopharmaceutical chemistry - Setting the record straight, Volume 55, December, 2017, https://doi.org/10.1016/j.nucmedbio.2017.09.004.

For further information and a summary of these guidelines, please see here: https://www.journals.elsevier.com/applied-radiation-and-isotopes/policies/international-consensus-nomenclature

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