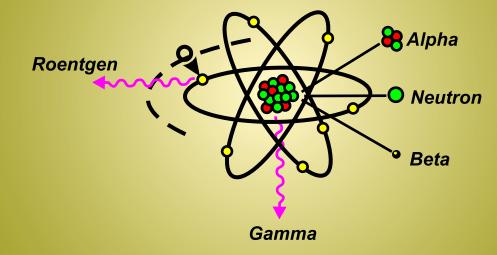


Institute of Radiation Problems Ministry of Science and Education Republic of Azerbaijan

ISSN 2312-3001

Journal of Radiation Researches Volume 10, No. 2



Baku, Azerbaijan

2023

Journal of Radiation Researches

Institute of Radiation Problems Ministry of Science and Education Republic of Azerbaijan



Volume 10, No.2, 2023 Baku Published from 2014 twice a year Ministry of Justice of the Republic of Azerbaijan, Registration number 3858, 14.02.2014

"Journal of Radiation Researches" has been included in the list of scientific periodicals recommended for the publication of main results of the dissertations in the Republic of Azerbaijan by the decision of the Supreme Attestation Commission under the President of the Republic of Azerbaijan.

(Meeting dated 31.03.2017, Protocol No. 6-R)

All contents are indexed in the Chemical Abstract Services (CAS) database



Publishing office: AZ1143, B.Vahabzadeh str., 9, Institute of Radiation Problems, Baku, Azerbaijan

Tel: (+994 12) 538 32 24; Fax: (+994 12) 539 83 18 Web-site: <u>http://jradres.az</u> E-mail: <u>info@jradres.az</u>

Number of copies: 250 The journal has been published by "Elm" publishing house of ANAS.

EDITOR-IN-CHIEF

Islam Mustafayev - Corr. memb. of ANAS, IRP, MSE, Azerbaijan

SENIOR EDITOR

Mahammad Bayramov - Cand. Phys. Math. Sc., IRP, MSE, Azerbaijan

EDITORIAL ASSISTANT

Javid Huseynov - IRP, MSE, Azerbaijan

EDITORIAL BOARD

Alexander Yermakov – Prof., Dr. Sc. in chem., Institute of Energetic Problems of Chemical Physics, RAS, Russia Andrzej Chmielewski – Prof., Dr. Sc. in chem., Institute of Nuclear Chemistry and Technology, Warsaw, Poland Elmkhan Jafarov – Prof., Dr. Sc. in biol., IRP, MSE, Azerbaijan Fadey Komarov - Corr. memb. of NAS of Belarus, Scientific-Research Institute for Applied Physical Problems, Belarus State University, Belarus Famin Salmanov – Dr. Sc. in phys., IRP, MSE, Azerbaijan Khaghani Mammadov - Dr. Sc. in chem., IRP, MSE, Azerbaijan Muslum Gurbanov – Prof., Dr. Sc. in chem., IRP, MSE, Azerbaijan Namik Rashydov – Prof., Dr. Sc. in biol., NAS of Ukraine, Ukraine Natalia Sanzharova – Dr. Sc. in biol., Corr. memb. of RAS, All-Russian Research Institute of Radiology and Agroecology, Russia Oqtay Samadov - Corr. memb. of ANAS, IRP, MSE, Azerbaijan Rahim Madatov – Prof., Dr. Sc. in phys.-math., IRP, MSE, Azerbaijan Rauf Sardarli – Prof., Dr. Sc. in phys.-math., IRP, MSE, Azerbaijan Ravan Mehdiyeva - Assoc. prof., PhD in phys.-math., IRP, MSE, Azerbaijan Ravan Ahmadov – Dr. in phys., University of Colorado Boulder, USA Robert Ilyazov - Prof. Dr. Sc. in biol., Corr. memb. Russian Academy of Sciences Sajida Abdulvahabova – Prof., Dr. Sc. in phys.-math., Baku State University, Azerbaijan Shakir Nagiyev – Prof., Dr. Sc. in phys.-math., Inst. of Phys., MSE, Azerbaijan Teymur Aghayev – Prof., Dr. Sc. in chem., IRP, MSE, Azerbaijan Vali Huseynov - Corr. memb. of ANAS, Inst. of Phys., MSE, Azerbaijan Vladimir Fateev - Prof., Dr. Sc. in chem., NRC "Kurchatov Institute", Russia

INSTRUCTION FOR AUTHORS

- 1. "The Journal of Radiation Researches" accepts original, unpublished articles and book reviews in the following fields – radiation research and its practical aspects, radiation chemistry, radiation material sciences, radiation safety, radiation technologies, radiochemistry, radiobiology, radioecology and other related fields.
- 2. Articles must be written in English.
- 3. The article must be sent on a CD or to the e-mail address (<u>info@jradres.az</u>) together with the signed commitments. When preparing an article to submit, the following requirements should be taken into account: the title of the article, the author's name, address, abstract, keywords, the text, including the results, significance and reference of the study.
- 4. The file format should match Microsoft Word format in Times New Roman. Page margins top 3 cm, bottom 3 cm, left 3 cm, right 1.5 cm. The main text should be written in 12 font, with one space. Articles should be submitted in triplicate, written in 12 font size on one side of an A4 sheet. The title of the article should be written in the middle of the page and in bold letters. The author's name should be written in the middle of the line below the article title, single-spaced, followed by the author's e-mail address.
- 5. The volume of the article should not exceed 10 pages.
- 6. The abstract should be written in English, Russian and Azerbaijani languages in 11 fonts, 100-150 words. The abstract of the article should be relevant to the context of the article. The research result, innovation and practical significance of the article should be briefly mentioned by the author(s) in the abstract. The title of the article and the full name(s) of the author(s) should be clearly written in the abstract.
- 7. Keywords should not exceed six words.

- 8. The PACS alphabetical index should be used in the article.
- 9. Figures, graphs and tables should be of publication quality and within the text. Figures and graphs should be listed below and tables above
- 10. References should be given in square brackets in the text and should be listed at the end of the article according to the order within the text. Where applicable, name(s) of author(s), title of journal/book, title of chapter/article, publication year, volume number/book section and page should be given.
- 11. The decision to publish a certain article is made based on the opinion and recommendations of the members of the editorial board of the journal. Members of the journal's editorial board may ask the author of the article to make corrections to the article before publication.