

1. General

Journal of Radiation Research (JRR) is an official journal of The Japan Radiation Research Society (JRRS), and the Japanese Society for Therapeutic Radiology and Oncology (JASTRO). This journal covers all fields in life sciences and medical sciences concerning with radiation, such as Biology, Chemistry, Environmentalology, Epidemiology, Oncology, Physics, Radiology, and so on. All articles is covered in the Current Contents and Science Citation Index, cited in ChemPort, Cross-Ref, GoogleScholar, PubMed, and other major search site in the world, and released on web at J-STAGE as an open access journal. The members and non-members are encouraged to submit English MS that analyzed and discussed based on the experimental results and evidences with methods in natural sciences. Clinical case reports are not acceptable. Publication is supported by JRRS and JASTRO societies.

2. Code of Ethics

Authors are required to follow the ethical procedures in their countries when human or animal subjects are involved in their research. In the case of studies involving human subjects, the authors should assure in the MS either that the study has been reviewed and approved by the ethics committee in their institution or that the anonymity of subjects are preserved. The Code of Ethics of the World Medical Association (Declaration of Helsinki) represents a minimal requirement. When experimental animals are used, the authors should assure in the MS that the studies have been reviewed and approved by the committee that oversees the ethics of research involving the use of animals and the welfare of the animals.

3. Article Categories

The journal publishes the following scientific article categories. But case reports are not acceptable. All MS will be peer reviewed by reviewers in selected field that appears in submission process (review fields).

(i) Regular Paper: Article of original and novel scientific studies that relating to research on radiation. The article must be a full scientific paper, and the results must be performed under experimental plan organized well. The results were also well analyzed and discussed. The MS sections must be arranged in the following order: i) Title page, ii) Abstract, iii) Introduction, iv) Materials and Methods, v) Results, vi) Discussion, vii) Acknowledgements (optional), and viii) References. Do not use "Conclusion" section. Manuscript usually consists more than 5,000 words with enough figures and/or tables to describe the results very well and discuss.

(ii) Short Communication: This category is a MS of simple and brief reports describing results obtained in selected experiments. The MS sections must be arranged as follows: i) Title page, ii) Abstract, iii) Introduction, iv) Materials and Methods, v) Results and Discussion, vi) Acknowledgements (optional), and vii) References. Do not use "Conclusion" section. Article should not exceed 5,000 words with few important figures or tables. Papers to this category may process faster than the other categories.

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(iv) Review: Reviews are usually invited, and should cover recent advances in radiation research. The sections of i) Title page, ii) Abstract, iii) Introduction, and iv) References are required. Main sections are coordinated by the author, and are inserted between Introduction and Reference sessions. Please ask to our office before submit a

MS of this category.

(v) Topical Review: The articles should be brief review of topical interests, generally references including later than the past 5 years. This review is either invited or volunteered, and should not exceed a maximum of 5,000 words. Coordination of the session is same above.

(vi) Award Article: This category is for invited articles by awardees of member society such as the Distinguished Scientist Award or the Young Investigator Award of JRRS.

(vii) Miscellaneous: We may add another categories than above listed such as Letter to Editor, Erratum, and so on.

4. Preparation of manuscripts

Use A4 (210 × 297 mm²) format with 25 mm margin on all around, and use 11 points "Times New Roman" characters. Please save your MS file as (.doc) format, but not (.docx) format. Do not use language specific 2-byte characters, e.g. Chinese, Japanese, Korean, and so on. Please be careful for invisible characters such as "space", "line-feed". Each page should consist of approximately 30 lines, with consecutive page numbers starting from the first page, and line numbers without refreshing at page break to make easy to indicate the locations of sentences at comments or suggestions by reviewers. One printed page consists approximately 1,000 words without figures and tables.

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Manuscript file must include text body, tables and figures. Title-page include i) Title, ii) Authors name, iii) Affiliations, iv) running short title, v) 3–5 Keywords, vi) total page numbers, numbers of tables and figures, vii) information of corresponding author (phone, fax and e-mail address). We don't suggest free e-mail, because all contact during review process will performed only by e-mail, and some free mail address happens a trouble. Insert figures and tables at each approximate location in the text. If inserting those items are difficult, please indicate the locations in the text, draw/write them separately from the text but together with the caption in a page, and put them at the end of the MS. At uploading the document, merge all the pages into a single document file (.doc). Please reduce the file size enough small. Separate figures or pictures in printing quality can be uploaded when submitting final MS after acceptance.

Abstract must include purpose, materials and methods, results, and conclusion in short sentences in single paragraph within 250 words without line feeds. Do not use heading titles (such as "Purpose", "Results" and so on).

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References must be cited numerically as they appear in the text, and they must (at least the Abstract) written in English. Up to 3 authors can be listed. When the authors are more than 4, list only the first author and put "et al.". No period and blank at abbreviated first and middle name. Use a hyphen between characters of first name that consists with two Chinese characters (e.g. Chinese or Korean). Use ISO abbreviated journal names. Typical reference forms are:

1. Tauchi H, *et al* (2009) Two major factors involved in the reverse dose-rate effect for somatic mutation induction are the cell cycle position and LET value. *J Radiat Res* 50: 441–445.

- Chen C-Y, Yang K-C and Pan L-K (2009) Bubble technique for evaluating effective dose of diagnostic x-rays: a feasibility study. *J Radiat Res* 50: 449–456.
- Furusawa Y (2003) Advantages for the use of heavy-ion irradiation on cancer cells at radiotherapy. In: Taujii H and Ban S eds. *Toward the Tailor-made Radiotherapy*. pp. 85–90. Jitsugyou-Kouhou-Sha; Tokyo. (in Japanese)
- Horsman MR and Overgaard J (2002) The oxygen effects and tumor microenvironment. In: Steel GG ed. *Basic Clinical Radiobiology*. 3rd ed. pp.158–168, Hodder Arnold; London.
- IAEA (2008) Biological weighting of absorbed dose: The specific issue of RBE in ion beam therapy. In: *Relative Biological Effectiveness in Ion Beam Therapy*. TRS 461. pp.8–25. International Atomic Energy Agency, Vienna.
- ICRP (1991) 1990 Recommendations of the International Commission on Radiological Protection, ICRP Publication 60, *Annals of the ICRP*, Vol. 21, Pergamon Press, Oxford.

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The JRR adheres to the policy on conflict of interest promulgated by the International Committee of Medical Journal Editors, which states, in part, that “to prevent ambiguity, authors must state explicitly whether potential conflicts do or do not exist.” Following agreements considered to be done in the process of MS submission (by checking “yes” at “Compliance of Instruction”).

- This manuscript is original, has not already been published, and is not currently under consideration by another journal.
- All the authors and the institutions where the work has carried out have approved submission of this manuscript.
- Authors agree to the ethical procedures in their countries when human or animal subjects are involved in their research.
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- The author will pay the page charge and reprint fee as informed at proofreading (see below).

(Note: We will not publish articles or not receive manuscripts for 3 years when the authors contravene this compliance.)

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