Radiation Environment and Medicine
Instructions for Authors

Revised 20 January 2016

The journal welcomes original papers that contribute to the progress in radiation environment medicine. Submissions from all countries are invited.

Only manuscripts written in clear, concise English will be accepted for review. Authors who are not native English speakers should note that only manuscripts checked and edited by a native English speaker with sufficient scientific knowledge will be accepted.

How to Submit
Please send the manuscript to the following address in mail attachment.
E-mail: rem@hirosaki-u.ac.jp
In addition, download a submission form, fill it out and send it to us with your manuscript.

Types of Manuscript
The Journal publishes Reviews, Regular Articles, Notes and Others.
1. Reviews: Describing the research results of the author.
2. Regular Articles: The manuscript being submitted must consist of original research performed by the authors and the research must include new information that is of significance.
3. Notes: Papers containing new facts and important data derived from incomplete or partial studies may be suitable as a Note including case reports. In general, a Note should not exceed 2,000 words (approximately 4 printed pages).
4. Others

Manuscript Preparation
1. Manuscript The text, figures, and tables should be submitted as three separate files. Please type manuscripts double-space with 12-point size for Word files. Please type the page number on every page. All files should have a page setup for 210 mm × 279 mm sized paper when printed. Tables can be displayed horizontally if necessary.
   (1) Title Page (Page 1) State categories of articles and fields (choose from epidemiology, biological effect, dose assessment, education, radiochemical analysis, radiation nursing, health physics, radiation measurement, or clinical activities). State the title of the article, name of author (full name), affiliated organization, and address (postal code).
   Place an asterisk (*) on the right shoulder of the name of the corresponding author. State the name of the corresponding affiliated organization and address, telephone number, fax number, and e-mail address at the lower left.
   (2) Abstract and Keywords (Page 2) Provide an abstract (within 200 words) and key words (3–6 words).
   (3) Main Text (Page 3) Write in the order of text, acknowledgements, and references. Enter the serial numbers for any structural formulae, figures, and tables. Print double space with a 25mm margin in all directions on A4 size paper (generally 23 lines/page), with page numbers entered in the middle of the bottom of the page and serial line numbers on the left side of the page.
2. Tables Tables should be numbered consecutively with Arabic numerals. The proportions of the printed page should be considered in designing the table. Footnotes to tables should be identified with superscript lowercase italic letters, a,b, etc., and placed at the bottom of the page containing the table.
3. Figures Figures may be submitted in the following formats: Adobe Illustrator, PDF, Microsoft PowerPoint, TIFF, and JPEG sized less than 10 megabytes. Most graphics programs have the option to save figures in one or more of these formats. Please note that pasting figures created in another format into any of these programs will result in poor-quality figures that will not be acceptable. We may ask for higher resolution photographs and/or figures for printing.
   With the exception of some chemical structures, all illustrations are to be considered as figures, and each graph, drawing or photograph should be numbered in sequence with Arabic numerals. Figures should be designed to fit the proportions of the printed page within single column (85 mm) or double columns (175 mm) width.
   If a figure contains more than one panel, each panel (A, B, etc.) should be labeled within the panel, and the same letters should be used in the text and legends. A double-spaced listing of the figure legends should be provided in the text file.
   (1) Graphs and other line drawings must be of a sufficient quality for reproduction. High-resolution (at least 600 dpi for line art) digital files should be submitted. All lines, including those used for curve fitting, should be at least 1 point in weight. The drawings should be sharp and should show a high contrast. Symbols used to identify points within a graph should be large enough that they will be easily distinguishable when the figure is reduced.
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4. Abbreviated words Abbreviations should be spelled out the first time they are used and the abbreviated form inserted in brackets immediately afterwards, and then the abbreviations used thereafter. Abbreviations that can be used without definition include the following:
ATP (adenosine 5′-triphosphate), cAMP (adenosine 3′,5′-cyclic monophosphate), CD (cluster of differentiation), cDNA (complementaryDNA), DNA (deoxyribonucleicacid), ED50 (50% effective dose), HPLC (high-pressure liquid chromatography, high-performance liquid chromatography), IC50 (inhibitory concentration, 50%), LD50 (50% lethal dose), mRNA (messenger RNA), MS (mass spectrum), RNA (ribonucleic acid), rRNA (ribosomal RNA), tRNA (transfer RNA), UV (ultraviolet), AED (Aerodynamic Equivalent Diameter), AM (Arithmetic Mean), AMAD (Activity Median Aerodynamic Diameter), AMT (Activity Median Thermodynamic Diameter), ATD (Alpha Track Detector), Bq (Becquerel), BEIR (Biological Effects of Ionizing Radiation), BSS (Basic Safety Standard), Ci (Curie), CI (ConfidenceInterval), CMD (Count Median Diameter), DCF (Dose Conversion Factor), EEC (Equilibrium-Equivalent Concentration (Bq/m3)), EERC (Equilibrium-Equivalent Radon Concentration (Bq/m3)), EETC (Equilibrium-Equivalent Thoron Concentration (Bq/m3)), EPA (The United States Environmental Protection Agency), Gy (Gray), GM (Geometric Mean), HRT (Human Respiratory Tract), IAEA (International Atomic Energy Agency), ICRP (International Commission on Radiological Protection), ICRU (International Commission on Radiation Units and Measurements), IEC (International Electrotechnical Commission), ISO (International Organization for Standardization), LET (Linear Energy Transfer), LLD (Low Limit of Detection), LSC (Liquid Scintillation Counters), MDA (Minimal Detectable Activity), MMD (Mass Median Diameter), OR (Odds Ratio), PADC (Poly Allyl Diglycol Analyzer), MTD (Activity Median Thermodynamic Diameter), RDPs (Radon Decay Products), REL (Restricted Energy Loss), SLD (Sub-Lethal Damage), SPECT (Single Photon Emission Computed Tomography), SSNTD (Solid State Nuclear Track Detectors), WHO (World Health Organization), WL (Working Level), WLM (Working Level Month), ALARA (As Low As Reasonably Achievable), ALI (Annual Limit on Intake), WLM (Working Level Month), ATM (Ataxia Telangiectasia Mutated), CT (Computed Tomography), CBRT (Convergent Beam Radiotherapy), Dq (Quasi-threshold Dose), DSB (Double-strand Breaks), EGF (Epidermal Growth Factor), FISH (Fluorescent In Situ Hybridization), FSD (Focus Surface Distance), GVHD (Graft Versus Host Disease), HVL (Half-Value Layer), IRMA (immunoradiometric assay), LD (Lethal Dose), LNT (Linear Non-Threshold), LQ (Linear-Quadratic), MRI (Magnetic Resonance Imaging), NHEJ (Nonhomologous End Joining), NMR (Nuclear Magnetic Resonance), OER (Oxygen Enhancement Ratio), PCR (Polymerase Chain Reaction), PET (Positron Emission [computed] Tomography), QOL (Quality Of Life), RIA (Radioimmunoassay), ROS (Reactive Oxygen Species), SLD (Sub-Lethal Damage), SDLR (Sub-Lethal Damage Repair), SPECT (Single Photon Emission Computed Tomography), SSB (Single Strand Break), TBI (Total Body Irradiation), TDF (Time, Dose and Fractionation), TEF (Thermal Enhancement Factor), TGF (Transforming Growth Factor), TLD (Thermoluminescent Dosimeter), VEGF (Vascular Endothelial Growth Factor)

5. **Units**
The following units should be used: Length (m, cm, mm, µm, nm, A), mass (kg, g, mg, µg, ng, µg, mol, mmol), mole (mol, mmol), time (s, min, h, d), temperature (°C, K), radiation (Bq, cpm, Gy, Sv), concentration (M, mM, mol/l, mmol/l, mg/ml, µg/ml, %, % (v/v), % (w/v), ppm, ppb)

6. **Naming Convention**
The naming convention with compounds should follow rules established by IUPAC. However, naming conventions of indexes of Chemical Abstracts and Ring Index can also be used.

7. **References**
This journal uses "Vancouver" style, as outlined in the ICMJE sample references. https://www.nlm.nih.gov/bsd/uniform_requirements.html  
References should be serially numbered in order of appearance (one number assigned to each quoted reference) and indicated in superscript Arabic numerals with right parentheses at the right shoulder of the text. They should be arranged in order of the number and the list provided at the end of the article as References.

Typical reference styles:


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