

The Journal of Toxicological Sciences

Instructions for Authors

(Effective from June 1, 2025)



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Aims and Scope

The Journal of Toxicological Sciences is a peer reviewed, open access journal dedicated to advancing knowledge and publishing original and innovative articles in toxicology. The journal covers a wide range of areas and topics: the mechanisms and significance of the toxicity of substances, such as drugs, food additives, food contaminants, environmental pollutants and natural products and their safety evaluation, experimental techniques, analytical methods and clinical toxicology. The journal provides authors and readers with appropriate peer review and timely publication while maintaining its rigorous standards. However, papers on the toxicities and effects of extracts and mixtures containing unidentified compounds cannot be accepted as a general rule.

The Journal of Toxicological Sciences is published by the Japanese Society of Toxicology and supported by the Japanese Society of Clinical Toxicology, and publishes six types of articles: Original Articles, Research Letters, Reviews, Minireviews, Invited Reviews, and Invited Articles.

The journal is published monthly online and read by a large international audience of researchers, clinicians, policy makers and others interested in toxicology.

Manuscript Types

The journal welcomes six manuscript types, all of which are subject to peer review.

Original Articles

Articles that contain new findings resulting from innovative research.

Research Letters

Short articles containing preliminary or more limited research results supported by less data than a regular paper, but of general or special interest. Manuscripts containing interesting findings without detailed discussion, research results of narrow scope or of a predominantly negative nature may also be suitable for publication as a Research Letter.

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Articles that review and encompass recent important scientific discoveries. Minireviews mainly describe recent research results from the authors' own laboratories. Reviews are broader based and do not have a page limit.

Invited Reviews and Invited Original Articles

The editorial board may invite researchers who are experts in their field and have achieved interesting research results to write an Invited Review or an Invited Original Article. The review and original article are invited and refereed by the editor in charge. The editor in charge can appoint other reviewers if necessary. The author(s) will not be charged APC.

Manuscript Submission

Articles should be submitted via the online submission system at <https://www3.e-kenkyu.com/jts-scied/>. A single Microsoft Word or PDF file, which includes the tables and figures appended to the end of the manuscript, should be submitted. Separate files for the manuscript and for the figures are not permitted. If you are using the system for the first time, you must create an account before you can submit a manuscript.

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During the submission process, you will be required to select up to five categories that are appropriate to your manuscript. In addition, you must list them in order of relevance on the first page (title page). When submitting a clinical research paper, the authors should select "D15 Clinical Toxicology".

A1 Drugs	A5 Toxins	A9 Carcinogenic substances
A2 Pesticide	A6 Food additives	A10 Endocrine disrupters
A3 Metals	A7 Food contaminants	A11 Nanomaterials
A4 Industrial chemical substances	A8 Environmental pollutants	A12 Radiation
B1 Central nervous system	B5 Sensory system	B9 Genital system
B2 Liver	B6 Digestive system	B10 Embryo
B3 Kidney	B7 Respiratory system	
B4 Skin	B8 Circulatory system	
C1 General toxicity	C5 Behavioral toxicity	C9 Drug dependence
C2 Reproductive toxicity	C6 Immunotoxicity	C10 Cytotoxicity
C3 Genetic toxicity	C7 Developmental toxicity	C11 Oxidative stress
C4 Carcinogenesis	C8 Chemical poisoning	C12 Inflammation
D1 Accumulation/Excretion	D6 Toxicological pathology	D11 Toxicity evaluation methods
D2 Kinetics	D7 Toxicological biochemistry	D12 Analysis
D3 Drug metabolism	D8 Molecular toxicology	D13 Toxicomics
D4 Mechanism of toxicity	D9 Toxicity-related genes	D14 Statistics

D5 Biological (cell) responses

D10 Safety evaluations

D15 Clinical Toxicology

Manuscript Preparation

Style

Type the manuscript single-spaced in an 11-point font using A4 size with upper, lower, left and right margins of 2 cm. Print sequential page numbers centrally at the bottom of the page, setting the title page as page one.

English standards

Manuscripts should be written in clear, grammatically correct English. If a manuscript is not clear due to poor English, it may be rejected without undergoing peer review.

Cover letter

Authors must submit a cover letter that includes the title of the manuscript and the contact details of the corresponding author. Authors should summarize the aims and outcomes of their work and how and why the manuscript is appropriate for publication. Details of any relevant consent and/or ethics approvals and other such items must be included in the cover letter. In addition, any other relevant information that is required at the time of submission, such as applications for APC waivers, other ethics declarations and so forth, should be included in the cover letter.

Title page

Give the title, the names of the authors, the name and address (es) of the institution (s), the type of article, the running title (70 characters or less, including spaces), and the relevant subject categories (see above) on the first page (title page). Following these, give the name, institution, street address, phone number, e-mail address (required) of the corresponding author.

Title

The title should describe the content of the article briefly but clearly. A concise, descriptive title is important for search purposes by third-party services. Do not use the same main title with numbered minor titles, even for a series of papers by the same authors. Do not use abbreviations in the title, except those used generally in related fields.

Abstract and keywords

On the second page, provide an Abstract that is a single paragraph – without line breaks – of 250 words or less and 3-6 keywords. Subtitles, such as Methods or Results must not be used.

Main text

The main text should start from page 3 with an Introduction, followed by Materials and Methods, Results, Discussion, Acknowledgments, author declaration sections (Funding, Conflict of Interest Statement, Data Availability Statement, Author Contribution Statement, Ethics approval and consent to participate, Patient consent for publication), References, and Figure Legends. The Results and Discussion sections may be combined as Results and Discussion. Tables and Figures should be provided at the end of the manuscript.

Introduction

The Introduction should provide sufficient background information to allow the reader to understand the purpose of the investigation and its relationship with other research in related fields. It should not include an extensive review of the literature.

Materials and Methods

The description of the methods should be brief, but it must include sufficient detail to allow the experiments to be repeated. The manufacturer or supplier of chemicals, animals, microbial strains or equipment should be listed in parentheses when they are first mentioned, along with their location (city, country). If hazardous materials or dangerous procedures are used in the experiments and the precautions related to their handling are not widely recognized, it is recommended that the authors provide the necessary details.

Results

This section includes the results of the experiments. The Results and Discussion sections may be combined if this helps readers to understand and evaluate the study. Tables and figures, including photographs, can be used to present the experimental results (see below). Excessive explanations of the data presented in tables and figures should be avoided.

Discussion

The Conclusion or Discussion should concisely describe the authors' interpretation of the results. Novel models or hypotheses may be proposed in this section only if they are suggested by the results obtained in the experiments. Descriptions of the experimental results should not be repeated in this section.

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Supervision: Author 1.

Visualization: Author 3.

Writing – original draft: Author 1, Author 2, Author 3.

Writing – review & editing: Author 1, Author 2.

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Examples

Kennedy, M.L., Smith, J.K. and Jones, W.T. (2005): The pharmacokinetics of methylmercury in new-born rats. *J. Toxicol. Sci.*, **30**, 126-135.

Steel, J.M. and Whitney, M.C. (2003): The effect of diethylstilbestrol on the reproductive system in rat offspring. In: Toxicology of Diethylstilbestrol (Walton, W.H., ed.), pp. 551-564, Thomson Press, New York.

Tables

Tables should be numbered consecutively using Arabic numerals (Table 1, Table 2, etc.). Each table should have a title. Explanatory material and footnotes should be typed below the table and should be designated with superscript letters. Ensure that all numerical values in tables are associated with a unit of measurement (for example, at the top of the relevant column). Avoid detailed explanations of the experimental conditions used to obtain the data shown in tables; they should be included in other sections as relevant. Tables must not be images or vector files; rather, use the table-making software in MS Word.

Figures

Figures should be of sufficiently high resolution for direct reproduction for publication. Note that figures may include line drawings, photographs, diagrams and charts. Magnifications of photographs should be indicated in the legends and/or by scales included in the photographs. Illustrations must be self-explanatory and should be numbered consecutively with Arabic numerals (i.e., Fig. 1, Fig. 2, etc.). Each figure should have a short title. Figure legends should be grouped together and presented after the main text. Figure legends should include sufficient experimental details to make the figures intelligible; however, duplicating the descriptions provided in other sections should be avoided.

Supplemental materials

Supplementary tables and figures that are not included in the main text but are useful or helpful for understanding the data should be registered as “Supplemental materials” at our online submission system when submitted. The tables should be numbered consecutively using Arabic numerals (Table S1, Table S2, etc.). The figures also should be numbered as Fig. S1, Fig. S2, etc.; each figure should have a short title and figure legend.

Authors are encouraged to share their data including detailed experimental protocols, analytic methods, raw data, and other metadata related to the article, using “J-Stage Data” (see the section “J-STAGE Data” below). If the Editor requests these, the authors must submit them.

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Abbreviations: At first use, spell out the word followed by the abbreviation in parentheses. Use only that defined abbreviation thereafter.

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Units should be used as follows:

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Peer Review Process

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Once the reviewers' reports have been received, the Associate Editor determines whether the manuscript requires revision. Authors who are asked to revise their manuscript must do so within two weeks, otherwise it may be treated as a new submission. The Associate Editor may send revised manuscripts to peer reviewers for their feedback or may use his or her own judgment to assess how closely the authors have followed the comments on the original manuscript. The Associate Editor then makes a final decision on the manuscript's suitability for publication in the journal.

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Articles in the journal must be:

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- descriptions of technically rigorous research
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