

Instructions to Authors

Canadian Journal of Physiology and Pharmacology

The *Canadian Journal of Physiology and Pharmacology* (Can. J. Physiol. Pharmacol.) is an international journal and publishes, in English or French, peer-reviewed reports of original research on all aspects of physiology, pharmacology, nutrition, and toxicology, including the fields of cardiovascular science; drug disposition and biochemical toxicology; endocrinology; gastroenterology; musculoskeletal sciences, including cellular motility; neuroscience (i.e., autonomic, cellular, central); renal and respiratory sciences; thermal physiology; and nutritional sciences, including the interaction of nutrition with the above.

Types of papers

An **article** reports a completed definitive study of original research that has not been previously published.

A **brief report** describes well-documented results of smaller scope but may not be used for preliminary publication or as a progress report. Brief reports may contain no more than 2000 words and 20 references, and up to four figures and (or) tables.

A **rapid communication** is intended for the rapid publication of initial findings or full investigations of findings of a particularly **novel and significant** nature. It should be accompanied by a letter in which the author gives reasons to justify publication of the manuscript as a rapid communication. A rapid communication will be either accepted without revision or rejected. However, this rejection will not preclude the subsequent submission of the manuscript in revised or expanded form.

Three kinds of reviews will be considered by the Journal: **critical reviews**, **survey reviews**, and **current concepts**. **Critical reviews** should not be a compendium, should cover a subject that has not been recently reviewed and in which there are noteworthy new developments, and should not be autobiographical (a maximum of 100 references). **Survey reviews** should be a comprehensive update of work in a field that has not been reviewed recently (a maximum of 300 references). **Current concepts** submissions should be short reviews providing an outlook, insight, or new approach or direction to an area of research.

Comments on scientific issues arising from papers published in the Journal may be submitted as **Commentaries**, which will be subject to editorial review before publication. Authors of the original paper that is the subject of the commentary will be invited to respond to the comments. Comments, if published, may be accompanied by the response.

Ethics

Authors must give assurance that no part of their manuscript reporting original work is being considered for publication, in whole or in part, by another journal. **The corresponding author must confirm that all authors have read and approved of the manuscript.**

All authors, Canadian or international, who describe experiments on animals are required to give assurance **in the manuscript** that the animals were cared for in accordance with the principles and guidelines of the Canadian Council on Animal

Care (see *Guide to the Care and Use of Experimental Animals*, Vol. 1 (2nd ed., 1993) and Vol. 2 (1984); this guide is available from the Canadian Council on Animal Care, Constitution Square, Tower 2, Suite 315, 350 Albert Street, Ottawa, ON K1R 1B1, Canada or on their Web site at <http://www.ccac.ca>).

Authors who describe experiments on humans are required to provide assurance **in the manuscript** that appropriate standards for human experimentation have been followed, that the experiment has been reviewed and approved by their institution's ethics review committee, and that the subjects have given informed consent prior to participating in the study.

Conflict of Interest

The Editor recognizes that authors and peer reviewers may have real or perceived conflicts of interest arising from intellectual, personal, or financial circumstances of their research. Submitted manuscripts should include full disclosure of funding sources for the research and the letter of transmission should include an explanation of any real or perceived conflicts of interest that may arise during the peer review process. Failure to disclose such conflicts may lead to refusal of a submitted manuscript.

The Manuscript

Publication is facilitated if the authors very carefully check the symbols, abbreviations, and technical terms for accuracy, consistency, and readability and ensure that manuscripts and illustrations meet the requirements outlined below. NRC Research Press maintains the right to preserve the technical quality of the Journal. Authors are requested to refer to a recent issue for details of layout, especially for tables and reference lists.

All parts of the manuscript must be typewritten **double-spaced**, on 8.5 x 11 in. paper with margins of 1 in. Use italic font for material that is to be set in italics. Use capital letters only when the letters or words should appear in capitals in the printed paper. The first page should contain only the title, authors' names, authors' affiliations, and any relevant footnotes. The authors' addresses must be the institution(s) where the work was done. Authors' present addresses, if different, should be a footnote. The **name, telephone number, fax number, and e-mail address** of the author to whom correspondence should be addressed should be clearly indicated. Each page of the manuscript should be numbered, beginning with the title page, followed by the abstract on a separate page. Tables and captions for illustrations should be on separate pages and placed after the list of references, which follows the text. **The original typescript and three clear copies of the manuscript are required.** Double-sided copies are not acceptable. Computer disks are required with final revised manuscripts only (see The Publication Process. Submission of electronic copy).

Spelling should follow that of *Webster's Third New International Dictionary* or the *Oxford English Dictionary*. Authors are responsible for consistency in spelling.

Abbreviations and symbols for units of measurement should conform to international recommendations. **SI units** (Système international d'unités) should be used or SI equivalents should be given. This system is explained and other useful information is given in the *Metric Practice Guide* (2000) published by CSA International (178 Rexdale Blvd., Toronto, ON M9W 1R3, Canada). For practical reasons, some exceptions to SI units are allowed. **Biochemical nomenclature and abbreviations** should follow the recommendations of the International Union of Biochemistry, such as those on enzyme nomenclature (*Enzyme Nomenclature 1992: Recommendations of the Nomenclature Committee of the International Union of Biochemistry and Molecular Biology* (Academic Press, San Diego, Calif.)). A complete listing of the more recent IUPAC IUB bulletins can be found in the *European Journal of Biochemistry* 151: A5-A11 (1985). For **physiological and biological terms**, *The CBE Manual for Authors, Editors, and Publishers: Scientific Style and Format* (6th ed., 1994) published by the Council of Biology Editors, Inc., Chicago, IL 60603, U.S.A., should be followed. **Abbreviations and contractions of the names of substances, procedures, etc., must be defined the first time they occur.** Authors who use abbreviations extensively throughout the text are asked to list all abbreviations with full definitions as a footnote on the first page of the **Introduction**. **Symbols and Greek letters** should be written clearly and superscripts and subscripts should be appropriately placed or indicated.

Trade names of drugs may be mentioned in parentheses in the first text reference to a drug, but **generic names** should be used in the text, tables, and figures. When a trade name is used, it should be capitalized; generic or chemical names are not capitalized. The chemical nature of new drugs must be given when it is known. The form of drug used in calculations of doses (e.g., base or salt) should be indicated. When several drugs are used, it may save space to include a separate paragraph in **Methods** or a separate table listing relevant information about all drugs employed.

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Each reference in the text must be designated by the surnames of the authors and the year, for example (Green 1999) or Green and Brown (1999). Depending on the sentence construction, the names may or may not be in parentheses, but the year always is. If there are three or more authors, the citation should give the name of the first author, followed by et al. (e.g., Green et al. 2001). When there is more than one reference in a given year with the same first author, the references are distinguished chronologically by *a*, *b*, *c*, etc., after the year and they are listed in this order in the reference list. **In the reference list** citations must appear in alphabetical order according to the surnames of the first authors. When the first author is the same, the second authors' names are also arranged alphabetically. However, citations with three or more authors involving the same first author should appear after the dual-authored papers and be arranged chronologically. The citation should then give, in the following order: year, title of the paper, name of the periodical abbreviated according to *CASSI*

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Journal article:

Forster, C., Larosa, G., and Armstrong, P.W. 1992. Impact of enalapril therapy on in vitro coronary artery responsiveness in pacing-induced heart failure. *Can. J. Physiol. Pharmacol.* **70**: 1417–1422.

Book:

Werns, S.W., and Lucchessi, B.R. 1988. The role of the polymorphonuclear leukocytes mediating myocardial reperfusion injury. In *Oxygen radicals in the pathophysiology of heart disease*. Edited by P.K. Singal. Kluwer Academic Publishers, Boston, Mass. pp.122–144.

Paper in conference proceedings:

Vihko, K.L., LaPolt, P.S., Dargan, C., Nishimori, K., and Hsueh, A.J.W. 1991. Stimulatory effect of recombinant FSH on Leydig cell function and spermatogenesis in vivo. Proceedings of the 11th North American Testis Workshop, Montréal, Que., April 24–27, 1992. p. 24.

Electronic citation:

Jablonski, S. 1999. Online multiple congenital anomaly/mental retardation (MCA/MR) syndromes [online]. U.S. National Library of Medicine, Medical Subject Headings Section. Available from http://www.nlm.nih.gov/mesh/jablonski/syndrome_title.html [updated 28 September 2000; cited 8 March 2001]

The author is responsible for the accuracy and completeness of all references. The author should check all parts of each reference listing against the original document.

Footnotes to material in the text should not be used unless they are unavoidable, but their use is encouraged in tables. Where used in the text, footnotes should be cited in the manuscript by superscript Arabic numbers (except in the tables, see below) and should be numbered serially beginning with any that appear on the title page. Each footnote should be typed on the manuscript page upon which the reference is made; **footnotes should not be included in the list of references.**

Equations should be clearly typed; triple-spacing should be used if superscripts and (or) subscripts are involved. Superscripts and subscripts should be legible and carefully placed. Distinguish between lowercase *l* and the numeral *one*, and between capital *O* and the numeral *zero*. A letter or symbol should represent only one entity and be used consistently throughout the paper. Each variable must be defined in the text, or in a **List of symbols** to appear after the reference list. Variables representing vectors, matrices, vector matrices, and tensors must be clearly identified. Numbers identifying equations must be in square brackets and placed flush with the **left margin**. In numbering, no distinction is made between mathematical and chemical equations.

Tables should be numbered consecutively with Arabic numerals, have a brief title, and be referred to in the text. Column headings and descriptive matter in tables should be brief. Vertical rules should not be used. A copy of the Journal should be consulted to see how tables are set up and where the lines in them are placed. Footnotes in tables should be designated by symbols (*, †, ‡, §, ||, ¶, #) or superscript lowercase italic letters. Descriptive material not designated by a footnote may be placed under a table as a **Note**. Each part of the table (title, headings, stub, body, and footnotes) must be typed double-spaced.

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Supplemental material — The National Research Council of Canada maintains a depository in which supplementary material may be placed, either at the request of the author or suggestion of the Editor. Such material may include extensive tables of data, detailed calculations, and maps not essential for understanding and evaluating the paper. Such material must be clearly marked when the manuscript is submitted. Tables and figures should be numbered in sequence separate from those published with the paper (e.g., Fig. D1, Table D1). The supplemental material should be referred to by footnotes. Copies of material in the depository may be purchased from the Depository of Unpublished Data, CISTI, National Research Council of Canada, Ottawa, ON K1A 0S2, Canada.

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Provide photographic reproductions, laser printouts, or the original artwork (no larger than 11 x 17 in.) of each illustration. Provide the original set of illustrations and three sets of copies for review purposes.

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