TOXICON
An Interdisciplinary Journal on the Toxins Derived from Animals, Plants and Microorganisms

TABLE OF CONTENTS

- Description p.1
- Audience p.2
- Impact Factor p.2
- Abstracting and Indexing p.2
- Editorial Board p.2
- Guide for Authors p.5

DESCRIPTION

Toxicon's "aims and scope" are to publish: articles containing the results of original research on problems related to toxins derived from animals, plants and microorganisms; papers on novel findings related to the chemical, pharmacological, toxicological, and immunological properties of natural toxins; molecular biological studies of toxins and other genes from poisonous and venomous organisms that advance understanding of the role or function of toxins clinical observations on poisoning and envenoming where a new therapeutic principle has been proposed or a decidedly superior clinical result has been obtained; material on the use of toxins as tools in studying biological processes and material on subjects related to venom and antivenom problems. Articles on the translational application of toxins, for example as drugs and insecticides epidemiological studies on envenoming or poisoning, so long as they highlight a previously unrecognised medical problem or provide insight into the prevention or medical treatment of envenoming or poisoning. Retrospective surveys of hospital records, especially those lacking species identification, will not be considered for publication. Properly designed prospective community-based surveys are strongly encouraged. Articles describing well-known activities of venoms, such as antibacterial, anticancer, and analgesic activities of arachnid venoms, without any attempt to define the mechanism of action or purify the active component, will not be considered for publication in Toxicon. Review articles on problems related to toxinology.

To encourage the exchange of ideas, sections of the journal may be devoted to Short Communications, Letters to the Editor and activities of the affiliated societies.

Toxicon strives to publish articles that are current and of broad interest and importance to the toxinology research community. Emphasis will be placed upon articles that further the understanding and knowledge of toxinology.

Types of paper

Full-Length Research Papers: Articles containing the results of original research on problems related to toxins derived from animals, plants and microorganisms.

Short Communications: Short communications differ from full manuscripts only in that the research study does not lend itself to an extended presentation. Even though brief, the Short communication should represent a complete, coherent and self contained study. The quality of Short Communications is expected to be as good as that of full articles, and both full articles and Short communications will be refereed in an identical manner. The form is identical to that for a full article except that the report
should not be divided into Introduction, Materials and Methods, Results and Discussion. An abstract of not more than 75 words should be provided. The Short Communication may not be longer than five double-spaced typewritten pages (not including references, tables and figures) and should include not more than two tables of two figures or one of each.

Letters to the Editor: These may be published if judged by the Editor to be of interest to the broad field of toxinology or of special significance to a smaller group of workers in a specialized field of toxinology. They should be headed `Letter to the Editor' which should be followed by a title for the communication. Names of authors and affiliations should be at the end of the letter.

Announcements: *Toxicon* will only accept for publication announcements of great interest to toxinologists, such as notices of relevant meetings and symposia and activities of the International Society of Toxinology, The Brazilian Society of Toxinology, and the North American Society of Toxinology.

Reviews and mini-Reviews: *Toxicon* will publish reviews and mini-reviews on topics of interest to toxinologists. Suggestions for reviews or mini-reviews can be made at any time to the Editor-in-Chief or the relevant Associate Editor. In addition, articles of significant broad interest to toxinologists that are published in journals other than *Toxicon* may be abstracted in the Reviews section of *Toxicon*. Readers who feel that a particular article or book should be abstracted in this section are encouraged to bring their opinion to the attention of one of the Editor-in-Chief.

Clinical reports: *Toxicon* will publish clinical reports on poisoning or envenoming where a new therapeutic principle has been proposed or a decidedly superior clinical result has been established. Please consult the Clinical Reports Guidelines

AUDIENCE

Toxicologists, toxinologists, molecular biologists and chemists.

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INTRODUCTION
Official Journal of The International Society on Toxinology (http://www.toxinology.org/), Toxicon's "aims and scope" are laid down in the journal as:

To publish:
• articles containing the results of original research on problems related to toxins derived from animals, plants and microorganisms
• papers on novel findings related to the chemical, pharmacological, toxicological, and immunological properties of natural toxins
• molecular biological studies of toxin and other genes from poisonous and venomous organisms that advance understanding of the role or function of toxins
• clinical observations on poisoning and envenoming where a new therapeutic principle has been proposed or a decidedly superior clinical result has been obtained. Toxicon will not accept single-case reports unless they describe new, previously unreported, clinical features; envenomings or poisonings by rare animals, plants, fungi or microorganisms for which there is little or no clinical information in the literature; or treatment that employs a new therapeutic principle for which effectiveness is convincingly demonstrated. Such case reports must include: (1) expert species identification; (2) meticulous clinical documentation of symptoms, signs, laboratory data, treatment and clinical outcomes; (3) originality (adding to knowledge of the clinical phenotype); (4) where feasible, photographic documentation of clinical signs.
• material on the use of toxins as tools in studying biological processes and material on subjects related to venom-antivenom problems
• articles on the translational application of toxins, for example as drugs and insecticides
• epidemiological studies on envenoming or poisoning, so long as they highlight a previously unrecognised medical problem or provide insight into the prevention or medical treatment of envenoming or poisoning. Retrospective surveys of hospital records, especially those lacking species identification, will not be considered for publication. Properly designed prospective community-based surveys are strongly encouraged.
• articles describing well-known activities of venoms, such as antibacterial, anticancer, and analgesic activities of venoms, without any attempt to define the mechanism of action or purify the active component, will not be considered for publication in Toxicon
• review articles on problems related to toxinology.

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**Reviews and Short Reviews:** Articles of interest to toxinologists which are published in journals other than *Toxicon* may be abstracted in the Reviews section of *Toxicon*. Readers who feel that a particular article or book should be abstracted in this section are encouraged to bring their opinions to the attention of one of the Review Editors. Mini-Reviews and proposals for mini-Reviews are welcome.

**Case reports:** *Toxicon* will publish clinical reports on poisoning where a new therapeutic principle has been proposed or a decidedly superior clinical result has been established. Please observe the following: Case Reports Guidelines.

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You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

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All animal experiments should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, the European Communities Council Directive of 24 November 1986 (86/609/EEC) or the National Institutes of Health guide for the care and use of Laboratory animals (NIH Publications No. 8023, revised 1978) and the authors should clearly indicate in the manuscript that such guidelines have been followed. **All animal studies need to ensure they comply with the ARRIVE guidelines. More information can be found at http://www.nc3rs.org.uk/page.asp?id=1357.**

**Theory/calculation**

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

**Results**

Results should be clear and concise.

**Discussion**

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

**Conclusions**

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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