

# biochemical systematics and ecology

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## Aims and Scope

**\* BIOCHEMICAL SYSTEMATICS AND ECOLOGY** is devoted to the publication of original articles and occasional invited reviews on the application of biochemistry and chemistry to systematic problems in biology.

\* All classes of organisms susceptible to chemical or biochemical study are covered — from bacteria to higher plants and animals, including fossil forms.

\* Any type of chemical or biochemical information may be used in demonstrating their phyletic or other interrelationships, including the elucidation of biosynthetic pathways, feedback control, hybridization and other techniques of molecular biology and the distribution of discrete chemical compounds.

\* Systematics is interpreted in the widest sense to include studies on variation in populations, classification of living organisms, inter-specific relationships and phylogenetic affinities of major taxa.

## Papers in a recent issue included:

### PLANTS

Neutral and Amino Sugars from the Cell Walls of Oomycetes, **B Vaziri-Tehrani & M W Dick**  
An Approach to Chemotaxonomy of the *Asarum* Subgenus *Heterotropa*, **N Hayashi et al.**  
The Identification of Poinsettia Cultivars by HPLC Analysis of their Flavonol Content, **R N Stewart et al.**

Essai Chimiosystématique sur la Tribu des Lotées, **M Jay et al.**

Quinolizidine Alkaloids as Systematic Markers of the Papilionoideae, **A Salatino & O R Gottlieb.**

Flavonoids of *Sullivantia*: Taxonomic Implications at the Generic Level within the Saxifraginae, **D E Soltis.**

### ANIMALS

Influence de la Température sur quelques Activités Enzymatiques chez *Palaemon serratus*, **J Trelu & H J Ceccaldi.**

Acides Aminés de Microsporidies Parasites de Crustacés Décapodes Marins, **C P Vivares et al.**  
How are Feathers digested by Raptors?, **P Leprince et al.**

Effect of Ambient Temperature on Perinatal Variations of Cyclic AMP and Cyclic GMP in Rat Brown Adipose Tissue, **R Bertin et al.**

Information on submission of manuscripts may be obtained from either of the Executive Editors at the addresses above.

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# TOXICON

An International Journal Devoted to the Exchange of Knowledge on the Poisons  
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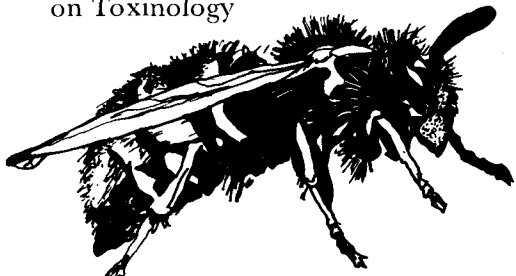
## Aims and Scope

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- \*Clinical observations on poisoning where a new therapeutic principle has been proposed or a decidedly superior clinical result has been obtained
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- \*Occasional review articles on problems related to toxinology

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- \*Encourages the exchange of ideas through short communications, letters to the Editor, and reports on the activities of the International Society on Toxinology



## A selection of recent papers

### Research Papers

Characterization of a protein toxin from dried specimens of the garden tiger moth (*Arctia caja L.*), T H Hsiao *et al.*

Pharmacokinetics of  $^{125}\text{I}$ -labelled venom from the scorpion *Androctonus amoreuxi*, Aud. and Sav., M Ismail *et al.*

Cardiohepatic and gross pathological changes in rhesus monkeys after intravenous injection of purified cholera enterotoxin, C T Liu *et al.*

A hemolytic principle associated with the red-tide dinoflagellate *Gonyaulax monilata*, G P Clemons *et al.*

Cardiovascular effects of venom from the scorpion *Buthus occitanus*, Amoreux, M Ismail *et al.*

### Short Communications

Presynaptic effects of midgut extract from larvae of the oriental hornet (*Vespa orientalis*), N Dascal & J S Ishay.

Purification and characterization of two mammalian toxins from the venom of the Mexican scorpion *Centruroides noxius* Hoffman, M A R Dent *et al.*

Relation between serum creatine phosphokinase activity and the amount of Habu (*Trimeresurus flavoviridis*) snake venom injected in thigh muscle in rabbits, F Nakada *et al.*

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# Insect Science and its Application

The International Journal of Tropical Insect Science

## Aims and Scope

*Insect Science and its Application* deals comprehensively with all aspects of scientific research targeted on tropical insects (and related arthropods), and the application of new discoveries to such diverse fields as pest and vector management and the use of insects for human welfare.

A distinctive feature of the journal is its multi- and interdisciplinary nature, which transcends the traditional boundaries of entomology.

Its second feature is its concentration on the recording and reviewing of the progress of insect science in the tropical and sub-tropical regions of the world. Thus, without excluding any area of the wide field encompassed by insect science, the journal will accept manuscripts in environmental physiology, the regulation of development and reproduction, population modelling, chemical ecology, natural products chemistry, plant resistance, host/insect relations, behaviour of tropical pest species, epidemiology of tropical diseases, vector biology, pest and vector management research, entomo-meteorology, insects in relation to farming systems, forest entomology, insect pathology, social insects and arthropods, and the uses of insects. It is the intention of the Editors to have manuscripts published rapidly, consistent with the needs of quality control.

In addition to articles of original research, the journal also publishes book reviews, announcements and reports of meetings and mini-reviews. Each regular issue of the journal contains a short review article on a critical or rapidly developing area of tropical insect science; normally the Editors will have invited an author to contribute such a mini-review.

## Information for Contributors

1. All papers for publication in *Insect Science and its Application* should be submitted directly to the Editor-in-Chief, Professor Thomas R. Odhiambo, Scientific Editorial Services, P.O. Box 59900, Nairobi, Kenya. Papers should be mailed in a strong, preferably linen, envelope, as they may otherwise arrive in a damaged condition.
2. Papers should be in English or French and be original contributions in the field of tropical insect science. Each paper should have a summary in the form of an abstract in both English and French.
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# Insect Science and its Application

The International Journal of Tropical Insect Science

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