

# JOURNAL OF BIOSCIENCES

## INSTRUCTIONS TO AUTHORS

(Manuscripts not conforming to the following specifications will be returned.)

**Authors are strongly encouraged to send their manuscripts in electronic form on a floppy diskette or by e-mail to [jbiosci@ias.ernet.in](mailto:jbiosci@ias.ernet.in). Figures and photographs can be included as .jpg, .bmp or .pdf attachments. Formatting requirements are as for typescripts (see below).**

Typed manuscripts should be mailed to: The Editor, 'Journal of Biosciences', Indian Academy of Sciences, P.B. No. 8005, C. V. Raman Avenue, Bangalore 560 080.

Four copies of the paper must be submitted, of which at least one should contain original drawings/figures/photographs.

Submission of a manuscript will be held to imply that the work reported in it is original, that the results have not been previously published (either in part or whole) and are not under consideration for publication elsewhere; and further, that if accepted, will not be published elsewhere.

Authors are invited to suggest names and addresses of four experts who in their opinion can review the paper. The choice of referees will however remain with the editorial board.

## TYPESCRIPT

Papers must be typed (on one side only) double-spaced and with a 30 mm margin on all sides on *white bond paper* (280 × 215 mm). This also applies to the abstract, tables, figure captions and the list of references each of which should be typed on separate sheets.

## TITLE PAGE

- The title of the paper must be brief and contain words useful for indexing. Avoid serial titles.
- The names of authors with initials and the address of the institution where the work was carried out must be given.
- An abbreviated running title of not more than 50 letters (including spaces) must also be given.
- The address for communication (along with e-mail address and telephone, telex and fax numbers, if available), should be given.

## ABSTRACT

Papers must have an abstract (typed on a separate page) of not more than 200 words summarizing the significant results reported.

## KEYWORDS

Three to six keywords must be provided.

## TEXT

- The paper must be divided into sections, starting with 'Introduction' and ending with 'Discussion'.
- The main sections should be numbered 1, 2 etc., the sub-sections 1.1, 1.2, etc., and further subsections (if necessary) 1.1a, 1.1b, etc.
- All measurements should be given in SI units.
- Avoid numbers at the beginning of a sentence, but if you have to use them, spell them.
- Taxonomic affiliation such as Phylum, Order and Family as well as the common name of the main study organism should be given in the title or at the first mention unless such information is likely to be obvious to the broad range of biologists.
- Scientific names of genera and species are printed in italics and should be underlined in the typescript.
- Authority for names of taxa should be cited in the summary and at the first mention of a taxon in the text, but not elsewhere.
- Accepted common names of plants and animals (and other organisms) and of plant and animal or other diseases should neither be capitalized nor placed within quotation marks.
- Words and phrases not of English origin and not in common use (e.g. *in vitro*, *in situ*) are printed in italics and should therefore be underlined.

## TABLES

- All tables must be numbered consecutively in arabic numerals in the order of appearance in the text.
- Tables should be self-contained and have a descriptive title.
- Details of experiments (not mentioned in the text) may be indicated in brief below the table as a legend.

## FIGURES AND PHOTOGRAPHS

- All figures should be numbered consecutively in arabic numerals in the order of appearance in the text. Original figures should be drawn with Indian ink on tracing paper not exceeding 280 × 215 mm.
- Please do not submit photographs of line drawings.
- Good photocopies of all figures should accompany each copy of the typescript.
- Photographs should be numbered consecutively along with the figures in arabic numerals in the order of appearance in the text. They should be assembled together suitably to form one or more plates.
- Do not include line drawings and photographs in the same plate.
- Photographs should be sharp, of high contrast and on glossy paper with an indication of the scale. Xerox copies of photographs are unsatisfactory for refereeing; three prints of each photograph should be submitted; both black and white and colour photographs are welcome.

## REFERENCES

References should be cited in the text by author and year, not by number. If there are more than two authors, reference should be made to the first author followed by *et al* in the text. References at the end of the paper should be listed alphabetically by authors' names, followed by initials, year of publication, full title of the paper, name of the journal (abbreviated according to the World List of Scientific Periodicals, Butterworths, London), volume number, initial and final page numbers. References to books should include: name(s) of author(s), initials, year of publication, title of the book, edition if not the first, initials and name(s) of editor(s) if any, preceded by ed(s), place of publication, publisher, and pages referred to. References to theses must include the year, the title of the thesis, the degree for which submitted and the university.

## EXAMPLES

Mani A and Prabhu V K K 1986 Significance of critical development stage on starvation induced endocrine mediated precocious metamorphosis in *Oryctes rhinoceros* (Coleoptera: Scarabaeidae); *Proc. Indian Acad. Sci. (Anim. Sci.)* **95** 379–385

Zar J H 1974 *Biostatistical analysis* (New Jersey: Prentice Hall)

Samiwala E B 1987 *DNA cloning in Haemophilus influenzae*, Ph.D. thesis, University of Bombay, Bombay

Ramanna M S and Hermsen J H Th 1979 Genome relationships in tuber-bearing Solanums; in *Biology and taxonomy of Solanaceae* (eds) J G Hawkes, R N Lester and A G Skelding (London: Academic Press) pp 647–654

## ABBREVIATIONS, SYMBOLS, UNITS ETC

The authors should follow *internationally agreed rules* especially those adopted by the IUPAC-IUB Commission on Biochemical Nomenclature (CBN). The journal will essentially follow the rules defined in the IUPAC *Manual of symbols and terminology for physico-chemical quantities and units* (Butterworths, London), 1970. Enzyme names may be abbreviated except on the first occasion, when the full name and abbreviation in parenthesis should be given.

## FOOTNOTES

Footnotes to the text should be avoided if possible but when essential should be numbered consecutively and typed on a separate sheet.

## PROOFS

Proofs sent to the authors together with a reprint order form must be returned to the editorial office within two days of their receipt (preferably by speed post or courier and definitely not by registered post). Delayed despatch of corrected proofs will delay publication. In order to minimize the corrections and alterations in the proof stage, authors are requested to prepare the manuscript carefully before submitting it for publication.

## REPRINTS

50 reprints will be supplied free of charge.

## REVIEW ARTICLES

1. Both mini-reviews (approximately 1000–1500 words and no more than 2 tables and/or illustrations) and full-length reviews (of no fixed length) are acceptable. Mini-reviews will be processed especially rapidly.
2. A review should be topical, sufficiently critical and comprehensive with regard to citations to the literature. It should draw attention to outstanding problems and take care to accommodate different points of view. It should stand out from other recently-published reviews on the same theme.
3. The format requirements for original research articles apply to reviews too.