

# INDIAN JOURNAL OF BIOTECHNOLOGY

## Instructions to Contributors

The Indian Journal of Biotechnology, a quarterly journal, publishes original research papers, reviews, digests (biotechnology highlights), news-scan, view point etc. The journal covers papers on **Biotechnology** in the following main areas: (i) **Agriculture**; (ii) **Animal husbandry**; (iii) **Environment**; (iv) **Industry**; (v) **Microbiology**; (vi) **Medicine**; (vii) **Bio-informatics**; and (viii) **Socio-legal and ethical aspects**.

Indian Journal of Biotechnology invites original research and review manuscripts not submitted for publication elsewhere. The review article will only be entertained if author(s) has included his own research work in it or has been an authority in that field. It is mandatory on the part of the corresponding author to furnish the following certificate at the time of submission of the manuscript:

*This is to certify that the reported work in the paper entitled " " submitted for publication is an original one and has not been submitted for publication elsewhere. I/we further certify that proper citations to the previously reported work have been given and no data/tables/figures have been quoted verbatim from other publications without giving due acknowledgement and without the permission of the author(s). The consent of all the authors of this paper has been obtained for submitting the paper to the "Indian J Biotechnology".*

*Signatures and names of all the authors*

The copyright of the paper will be transferred from the author to publisher. **The manuscript should be submitted as an e-mail attachment to the editor's e-mail ID. Hard copy submission will not be entertained.** The manuscript, after referees' acceptance, will be sent back to the author(s) along with referees' comments. For submission of revised manuscript, soft copy in MS Word will be sent to the editor's e-mail ID. The paper will be arranged as follows: first running matter, followed by tables, then captions for figures and figures in the end. The figures will be in Word file.

### Preparation of the Manuscript

Manuscripts should be typed in double space (11 pt, Times New Roman font preferred) on A4 or in letter size page. All pages should be numbered consecutively. Use SI units, and give equivalent SI units in parenthesis when the use of other units is unavoidable. Symbols should conform to standard guidelines.

**Title**—It should be short & informative (15 pt), to be typed in only first letter of the first word capital; also, after

colon or hyphen, first letter of the first word capital. Latin names are to be given in italics.

**Short Running Title**—Not in excess of 50 characters, to be all in capitals.

**Keywords**—Five or six keywords (in normal; 9 pt) indicating the contents of the manuscript.

**Authors**—Names of authors to be typed in first letters capital (10 pt).

**Addresses of Authors**—Addresses of the institution (s) where the work was carried out including telephone (office only), fax number and e-mail address (9 pt) of at least the corresponding author. Author for correspondence should be indicated with an asterisk (\*)

**Main Headings**—Each manuscript should be divided into the following main headings (typed in bold, first letters capital, on the left hand side of the page; 11 pt): **Abstract, Introduction, Materials and Methods, Results, Discussion, Acknowledgement, References.**

**Sub-Headings**—Typed in flush left, bold, first letters capital (9 pt).

**Sub-Sub Headings**—Bold-Italics, first letters capital (9 pt).

**Abstract**—Should be brief not exceeding 200 words, typed in normal (9 pt).

**Introduction**—A brief and precise literature review with objectives of the research undertaken and essential background be given.

**Materials and Methods**—Materials and Methods should include the source and nature of material, experimental design and the techniques employed. New methods should be described in sufficient details, and others can be referred to published work.

**Results**—Results should contain data, which are essential for drawing main conclusion from the study. Wherever needed, the data should be statistically analyzed. Same data should not be presented in both table and figure form.

**Discussion**—The discussion should deal the interpretation of the results. Wherever possible, results and discussion can be combined.

**Tables**—Tables should be typed in double space on separate sheets, numbered consecutively, and only contain horizontal cells. The table headings should be typed with the first letter capital.

**Figures**—The line drawings, illustrations, photographs, etc. will be accepted in Word files. The figure should be of

high quality. Photomicrographs should have a scale bar. Line drawings should be roughly twice the final printed single column size of 7.5 cm width. Text figures should be numbered in Arabic numerals. Lettering, numbering, symbols and lines in the graphs/illustrations should be sufficiently clear and large to withstand reduction up to 50%. Captions and legends to illustrations should be typed on a separate page. Line drawings and photographs should contain figure number.

**References**—References should be cited in the text by the consecutive **numbers** of their occurrence; the numbers are to be shown as superscript at the end of the statement related to that particular reference, **e.g.** It also inhibits the activity of endogenous DNA polymerase of HBV<sup>7</sup>.

Following the same sequence of the text, the list of references be appended under the **References** heading. Each reference should provide names and initials of all the authors, giving coma in between the authors and ‘&’ before the last author. In case, the authors are more than five, then use *et al* after the 5<sup>th</sup> author. It should be followed by title of the paper, abbreviated title of journal (in italics), volume number, year of publication (within circular bracket), and the starting and closing page numbers. Abbreviated titles should conform to the international guidelines, e.g. The Chemical Abstracts Service Source Index (CASSI) or BIOSIS

The style of references should be:

#### Research Papers

- Ghosh A C & Basu P S, Extracellular polysaccharide production by *Azorhizobium caulinodans* from stem nodules of leguminous emergent hydrophyte *Aeschynomene aspera*, *Indian J Exp Biol*, 39 (2001) 155-159 [If accepted for publication, give (in press) in place of volume, year and pages].
- Newell C A, Lowe J M, Merryweather A, Rooke L M & Hamilton W D O, Transformation of sweet potato (*Ipomoea batatas* (L) Lam) with *Agrobacterium tumefaciens* and regeneration of plants expressing cowpea trypsin inhibitor and snowdrop lectin, *Plant Sci*, 107 (1995) 215-227.
- Hoffman M P, Zalom F G, Smilanick J M, Malyj L D, Kiser J *et al*, Field evaluation of transgenic tobacco containing genes encoding *Bacillus thuringiensis*  $\delta$ -endotoxin or cowpea trypsin inhibitor: Efficacy against *Helicoverpa*

*zea* (Lepidoptera: Noctuidae), *J Econ Entomol*, 85 (1991) 2516-2522

#### Books & Proceedings of Conferences

- Truzuki T & Irukayama K, *Minamata disease* (Elsevier, Amsterdam) 1977, 30-45.
- Roels O A & Mahadevan S, Vitamin A, in *The vitamins: Chemistry, pathology and methods*, 2<sup>nd</sup> edn, vol VI, edited by P Gyorgy & W N Pearson (Academic Press, New York) 1967, 139-210.
- Allossp P G, Nutt K A, Geijsk R J & Smith G R, Transgenic Sugarcane with increased resistance to canegrub, in *Sugarcane pest management in the new millennium*, 4<sup>th</sup> *Sugarcane Entomol Workshop*, held on 7-10 Feb, 2000 (Int Soc Sugarcane Technol, Khon-khon, Thailand) 2000, 63-67.
- Chaturvedi H C & Sharma A K, Citrus tissue culture, in *Proc Natl Semin Plant Tissue Cult* (ICAR, New Delhi) 1988, 36-46.
- Kapoor B C, 2000. *Managing in the face of not-so-developed and organized environment*, paper presented in *Natl Symp Manag Dev*, Institute of Public Administration, Jaipur, India, 21-23 July, 2000.

#### Thesis & Dissertation

- Chaturvedi H C, *In vitro* growth and controlled morphogenesis in callus tissue of *Rauvolfia serpentina*. Ph D Thesis, Agra University, Agra, 1968.

#### Patent

- Trepaginer J H, New surface finishings and coatings, *US Pat 1276323* (to DuPont Inc, USA). 27 June, 2000; *Chem Abstr*, 49 (2000) 27689.

Manuscript along with referees' comments will be sent to the author identified for correspondence on the title page of the manuscript. It should be checked carefully and the modified manuscript should be returned within ten days of receipt. At the time of publication of paper, soft copy of the final draft will be sent to corresponding author for his final approval.

**PDF of the published papers will be provided to the author via e-mail. It is mandatory for the corresponding author to mention his/her e-mail ID.**