

Sadhana - Academy Proceedings in Engineering Sciences

Instructions for Authors

Submission of the script will be held to imply that it has not been previously published and is not under consideration for publication elsewhere; and further that, if accepted, it will not be published elsewhere.

Aims and scope

The journal will cover all branches of Engineering Science including mechanics (fluid, solid, thermal), computer science, electronics, energy, aerospace technology, materials science, nuclear engineering, systems analysis, alternative technologies etc.

The editorial board wishes particularly to encourage papers

- (i) likely to be of interest to more than one professional group, either because the work is fundamental or because it reflects the best in current technology;
 - (ii) summarising, at a sufficiently technical level, work done on special projects of interest to engineering scientists;
 - (iii) offering extensive critical reviews, especially on subjects of interest in the country.
- Correspondingly, the board considers the publication of highly specialized work more appropriate to the many professional journals already being published. The criteria for acceptance of papers in the journal are therefore breadth of interest, irrespective of whether the paper reports research or development, theory or experiment, original work or review, and quality of work reported and its presentation (text, diagrams etc.). Papers on developments in Indian technology must pay special attention to the problems peculiar to the country in such projects.

Editorial Procedure

ON-LINE submission of manuscripts to *Sadhana - Academy Proceedings in Engineering Sciences* will result in quicker and more efficient processing. Electronic submission substantially reduces editorial processing, the time to review and re-review, and overall publication times.

Please log directly onto the site

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and upload your manuscript following the on-screen instructions.

Further correspondence should be addressed to the Editorial Office:

sadhana@ias.ernet.in

If you face any problems while submitting your manuscript, please contact the Editorial Manager:

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Typescript

All parts of the script must be typed double spaced on one side of white bond paper of A4 (292 x 210mm) or quarto (280 x 215 mm) size.

A 4 cm margin must be provided for insertion of printers instructions.

Title page must contain

- (i) the title (which must be short and contain words useful for indexing),

- (ii) the initial(s) and name(s) of the author(s) and the name and address of the institution where the work was done, and
- (iii) a brief running title of not more than 60 letter spaces.

Abstract must be informative and not just indicative, and must contain the significant results reported in the paper.

Keywords, not more than about six in number, must be provided for indexing and information retrieval.

The text must be divided into sections, generally starting with 'Introduction' and ending with 'Conclusions'. The main sections should be numbered 1, 2 etc., subsections 1.1, 1.2 etc., and further subsections (if necessary) 1.1a, 1.1b etc.

Tables must be numbered consecutively in Arabic numerals in the order of occurrence in the text; they should be self-contained and have a descriptive title.

Figures, including photographs which must be glossy prints, should be numbered consecutively in Arabic numerals in the order of occurrence in the text.

Line drawings must be in India ink on good quality tracing paper or Bristol board, preferably of the same size as the text paper. Lines should be sufficiently thick (axes about 0.3 mm, curves about 0.6 mm).

All letterings on the illustrations must be done in lower case letters except for symbols or acronyms. If authors wish, they can submit unlettered illustrations with pencilled lettering and the editorial office will have them inked.

Figure captions must be typed on a separate sheet. A list of symbols must be provided, with each symbol identified typographically (e.g. Greek, alpha, script oh, Latin ell etc.) for the printer; this list will not appear in print. Authors may if necessary provide another list of symbols for the reader (to be printed).

Mathematical material: Equations must be written clearly, each on its own line, well away from the text but punctuated to read with it. Complicated expressions should be avoided in the text; when absolutely necessary they should be displayed separately like equations. All equations must be numbered consecutively in Arabic numerals with the number in parentheses near the right hand margin.

Superscripts and subscripts (which must be indicated by V and A respectively) must be kept as simple as possible; those of greater than second order (e.g. subscript on superscript on superscript) must be avoided. Similarly, symbols or letters with accents or unusual marks placed above or below them must be avoided. 'Oh' and 'zero', K, k and kappa, 'ell' and 'one' etc. must be clearly distinguished.

Special characters: Authors must indicate in pencil in the margin wherever special characters (Greek, German, script, scalar, vector, tensor, matrix etc.) are required. All other mathematical letter-symbols will be set in italic type.

Vectors must be underlined by a wavy line and tensors by two wavy lines.

Units and associated symbols must invariably follow SI practice.

References should be cited in the text by author(s) name(s) and year.

Names of both authors should be used for 2-author papers, while for papers with three or more authors, the name of the first author, followed by the words et al and year, should be used for citing in the text.

References at the end of the paper should be listed alphabetically by authors' names, followed by initials, year of publication, title of the article, name of the journal (abbreviated according to standard practice), volume number, and numbers of first and last pages. References to books should include: name(s) of author(s), initial(s), year of publication, title of chapter (if any), title of the book, edition if not the first, initial(s) and name(s) of editor(s) (if any) [preceded by ed(s)], place of publication, name of publisher, and chapter or pages referred to. References to thesis must include the year, the title of thesis, the degree for which submitted, the name of university and the city where located.

Footnotes must be avoided if possible but when necessary should be numbered consecutively, and typed on a separate sheet. Appendices should be labelled A, B etc., in order of appearance.

Proofs

Authors are requested to prepare the manuscript carefully before submitting it for publication to minimise corrections and alterations in the proof which increase publication costs. Page proofs sent to the authors must be returned to the editorial office together with the completed reprint order form within two days of receipt.

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