

Notes for Contributors

Aims and Scope: The objectives of *Scientia Iranica* are twofold. The first is to provide a forum for the presentation of original works by scientists and engineers from around the world. The second is to open an effective channel to enhance the level of communication between scientists and engineers and the exchange of state-of-the-art research and ideas.

The scope of the journal is broad and multidisciplinary in technical sciences and engineering. It encompasses theoretical and experimental research. Specific areas include chemistry; chemical engineering; civil engineering; control and computer engineering; electrical engineering; material, manufacturing and industrial management; mathematics; mechanical engineering; nuclear engineering; petroleum engineering; physics.

Submission of Manuscripts: Authors are requested to submit the original copy of their manuscript. The manuscript should be submitted in both pdf and Word to hasten the refereeing process. When submitting the manuscript, electronic files of the figures in EPS or TIFF format are required.

The standards of publication for *Scientia Iranica* are extremely high. To ensure superior standards of quality and scientific validity, all papers submitted to the journal undergo a series of careful reviews by international experts, proficient in the relevant subject matter of the paper, before being accepted or rejected.

Following full review procedure, inclusion of a manuscript in *Scientia Iranica* will be confirmed by an official acceptance letter forwarded to the corresponding author of the paper.

Scientia Iranica is published in English and all manuscripts submitted should either be forwarded to the Editor-in-Chief or to one of the Regional Editors of the journal.

Types of Manuscript: *Scientia Iranica* publishes three types of article: 1) Full Article, 2) Research Note and 3) Review Article.

Full Articles are highly technical papers, which usually do not exceed 35 double-spaced typed pages, including figures and tables, and which will be peer reviewed to ensure full credibility. All articles must contain fully original work representing the latest theoretical research and experimental results in the relevant fields of science and engineering covered by the journal.

Research Notes are papers which include descriptions of current research findings in a specific area of science and/or engineering. These papers are usually much shorter than a full article and should not exceed 17 double-spaced typed pages, including figures and tables.

Review Articles include a long, detailed synopsis of current research findings on a particular topic. They do not contain original research work by the author and should not exceed 35 double-spaces typed pages, including figures and tables.

Copyright and Content: Submission of manuscripts implies that the work has not been previously published and is not being considered for publication elsewhere. If accepted for publication in *Scientia Iranica*, the authors will agree not to publish the same work elsewhere, in any form, in English or any other language, without the consent of the copyright holders. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication.

Responsibility for the contents of a manuscript rests upon the author(s) and not on this journal, the editors or the publisher. The technical contents of the manuscript should be carefully considered by the author(s) before submission for publication.

Style of Manuscripts: Authors should make every effort to conform to the guidelines given below for the preparation of manuscripts. Proper preparation of manuscripts will speed publication of articles. Improperly prepared manuscripts may

be returned to the author(s) for correction before being accepted for publication.

Manuscripts should be typewritten, double-spaced on one side of the page only. Margins should be at least 2.5 cm on all sides. Good quality printouts with a font size of 12 pt are required. All pages should be numbered consecutively. The text should be concise and consistent as to spelling and abbreviations. Sections and sub-sections should be clearly defined.

The first page should comprise the title of the paper, the full names of all authors, their titles and affiliations and a **running head** for the paper that does not exceed 55 letters and spaces.

The corresponding author should be identified (including fax number, phone/mobile number and E-mail address). If the corresponding author is to be unavailable for any length of time, please include an alternative contact address. Also, full postal addresses must be given for all co-authors.

Original manuscripts are discarded three months after publication, unless otherwise requested by the author(s).

Technical Biography: Brief technical biography in narrative form for each author should accompany the manuscript.

Text: This order of text should be followed when typing manuscripts: Title, Authors, Affiliations, Abstract, Keywords, Main text, Acknowledgments, References, Appendix (in which all equations, figures and tables should be numbered in a different style (e.g. Equation A1/Figure A1, or Table A1)), Figure captions and then Table captions. Do not import figures or tables into your text.

Abstract: An abstract of 200 words or less should precede the introduction. The abstract should clearly indicate the nature of the manuscript and the results described therein.

Keywords: At the end of the Abstract, there should be five to ten keywords. These terms should be relatively independent (coordinate index terms) and, as a group, should optimally characterize the paper.

Literature References: Citations should be numbered in sequence throughout the article in square brackets and listed in sequence numerically at the end of the paper.

References should be complete and according to the following style: Author (preceding initials), title, journal/book title, location of publisher, volume number, issue number, inclusive page numbers, year.

For unpublished papers or company reports, provide enough information to allow the reader to locate the material. If there are more than two authors, they should be designated as "Senior, A. et al".

Examples:

Journals: Johnson, W. and Mamalis, A.G. "The perforation of circular plate with four sided pyramidally-headed square-section punches", *Int. J. of Mech. Sci.*, **20** (3), pp 801-820 (1990).

Books: Hindmarsh, J. "The electrical-circuit viewpoint", In *Electrical Machines and their Applications*, P. Hammond, Ed., 4th Edn., pp 57-130, Pergamon Press, Oxford, UK (1975).

Proceedings and reports: Walker, L.K. and Morgan, J.R. "Field performance of firm silty clay", *9th Int. Conf. on Soil Mech. and Found. Engrg.*, **1**, Tokyo, Japan, pp 341-346 (1977).

Barksdale, R.D. and Bachus, R.C. "Design and construction of stone columns", Report SCEGIT 83-10, Georgia Inst. of Tech., Atlanta, GA, submitted to Fed. Highway Admin (1983).

Bhandari, R.K.M. "Behavior of tank founded on soil reinforced with stone columns", *VIII European Conf. on Soil Mech. and Found. Engrg.*, Helsinki (1983).

Figures: Drawings, photographs and charts are referred to as “Figure(s)” and should be numbered and referred to in sequence throughout the text. As a rule, only original illustrations should be used. It is the author’s responsibility to obtain permission to use previously published material.

All Figures should appear separate from the text at the end of the manuscript. They also should be marked underneath with the figure number. All figures are to have a caption. Captions should be supplied on a separate sheet.

All figures should be **sharp, clean, and of high contrast**. All line drawings and photos should be in black and white, unless color is specifically requested. All lettering, graph lines and points or graphs should be sufficiently large and bold to permit reproduction when the diagram has been reduced to 2 or 1 column widths. In a figure, graphs should be distinguished from each other and match their legends. If, in a figure, any mathematical expression is used, please make sure that all the superscript, subscript, small and cap letters be shown exactly as they appear in the text.

Original Photographs must be supplied as they are to be reproduced (e.g. black and white or colour). Please note that photocopies of photographs are not acceptable. Colour illustrations should be submitted as original photographs, high-quality computer prints or transparencies, close to the size expected in publication.

Due to technical complications which can arise from converting colour figures to “grey scale” (for the printed version should you not opt for colour in print), please submit, in addition, usable black and white prints corresponding to all colour illustrations.

Electronic Graphics Submit files for graphics as EPS files. If this is not possible, Tiff files are acceptable, as long as they can be opened in Adobe Photoshop with the minimum resolution of 600 dpi. No matter what method was used to produce the graphic illustration, it is necessary to provide a paper copy to the office of *Scientia Iranica*. Authors using graphic packages for the creation of electronic art should also avoid the use of any lines thinner than 0.5 points in width. Very thin lines or “hairlines”, in the final printing process, become nearly invisible and may be lost entirely.

Tables: Tables should be numbered and referred to in the text consecutively and given a suitable caption. Each table should be typed on a separate sheet. Footnotes to tables should be typed below the table and should be referred to by superscript lowercase letters.

All table captions should also be supplied on a separate sheet.

Footnotes: The use of footnotes is not acceptable; the material should be included as parenthetical material in the text wherever possible.

Mathematical Expressions: Particular care should be used in identifying unusual symbols or notations and upper and lower case letters. Define all non-standard nomenclature when they are first used. Avoid using awkward mathematical notations and non-standard symbols. Please note that consistency should be followed in using capital or small letters; superscripts or subscripts in mathematical environments. This should also be undertaken for figures where mathematical expressions are used. In type setting mathematical expressions, using Word software, please do not use any special style.

Electronic Submission of Papers: The author must submit an electronic copy of the final manuscript together

with the hard copy of the final version of the paper. Please note that the electronic copy should match the hardcopy exactly. The preferred software programs are T_EX, L_AT_EX and Word (use standard macros).

Alternatively, the full version of the manuscript may also be forwarded via e-mail: “scientia@sharif.edu”.

Proofs: Unless otherwise specified, page proofs will be sent to the corresponding author by PDF for proofreading. Corrections are to be limited to minor and typographical errors. Major changes to the author’s manuscript will not, in general, be permitted. Any queries should be answered in full. Proofs should be returned to the publishers within three days of their receipt by the author. Publication of articles that are not promptly returned may be delayed to a subsequent issue of the journal.

Reprint: Reprints may be obtained by written request together with return of the final proofs of the accepted manuscript.