

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.

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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.

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Manuscripts should be typewritten, double-spaced on one side of the page only and in two columns, each column with the width of 8 cm. 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.

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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).

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