

# INSTRUCTIONS FOR AUTHORS

**Aims and Scope.** *Chemical Engineering Communications* provides a forum for the publication of manuscripts reporting on results of both basic and applied research. All conventional areas of chemical engineering will be considered as well as topics in semiconductor processing, materials engineering, bioengineering, fluid mechanics, the molecular theory of equilibrium and transport properties, applied mathematics and computer-aided design.

*Chemical Engineering Communications* publishes full-length research articles dealing with completed research projects on subjects such as experimentation (both techniques and data) and new theoretical models. Critical review papers reporting on the current state of the art in topical areas of chemical engineering are also welcome, as well as short communications and letters to the editor which give preliminary announcements of new theoretical concepts, new experimental data, innovative experimental techniques or novel concepts in data correlation. Since the emphasis is on original work in progress, the editors also encourage submission of accounts of tentative results, provided they are well documented. Commentaries on and discussion of previously published work are also considered.

CEC is also a medium for the publication of special issues consisting of groups of articles on a particular theme or honoring a particularly outstanding person.

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**Preparation of Manuscripts.** All manuscripts should be typewritten, double-spaced, and one-sided. Number manuscript pages consecutively throughout the paper. Authors should also supply a shortened version of the title for a running head, not exceeding 50 character spaces, an abstract of approximately 100-150 words, three to six keywords, the author(s) affiliation and location. Each submitted article must contain author(s) mailing address, telephone number, e-mail (if available).

**References.** Literature referenced should be indicated in the text by author and date. Listed references should be complete and journal abbreviations should conform to Chemical Abstracts style. Examples:

**Journal article:**

Perelman, T. L. (1961). On conjugated problems of heat transfer, *Int. J. Heat Mass Transfer*, **3**, 293-303.

**Book:**

Crank, J. (1975). *Mathematics of Diffusion*, Oxford University Press, Oxford.

**Footnotes.** Authors are encouraged to minimize the use of footnotes. Information concerning grant support of research should appear in a separate Acknowledgments section at the end of the article, not in a footnote.

**Tables and Figures.** Tables and figures should not be embedded in the text, but should appear at the end of the manuscript. Number tables consecutively with roman numerals; a short descriptive title should appear above each table with a clear legend and any footnotes suitably identified below. Line art and photographs should be completely labeled and numbered consecutively with arabic numbers. The preferred width of submitted line art is 20 to 23 cm with capital lettering 4mm high, to accommodate reduction to single-column width. Captions should be given on a separate page.

**Equations and Formulae.** Mathematical: Mathematical equations should preferably be typewritten, with subscripts and superscripts clearly shown. To simplify typesetting, please use: (1) the "exp" form of complex exponential functions; (2) fractional exponents instead of root signs; and (3) the solidus (/) to simplify fractions, e.g., 3/4,  $\exp x^{1/2}$ . Chemical: Ring formulae and other complex chemical matter are extremely difficult to typeset. Therefore, supply reproducible artwork for equations containing such chemistry. Long reaction sequences should be designated as "Schemes" and treated like figures, i.e., keep artwork separate from the text, indicate in the margin an appropriate position, and supply a separate list of scheme captions. Where necessary, individual chemical formulae can be identified with bold arabic numbers. Chemical equations referred to in the text should be indicated with arabic numbers set over to the right in parentheses. Marking: Where chemistry is straightforward and can be set (e.g., single line formulae), please help the typesetter by distinguishing between e.g., double bonds and equal signs, and single bonds and hyphens, where there is ambiguity.

**Proofs.** Page proofs are sent to the designated author. They must be checked carefully and returned within 48 hours of receipt.

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