
Instructions to Authors

Korean Chemical Engineering Research

Korean Chem. Eng. Res. is a general journal for the publication of significant research results in all areas of chemical engineering. Papers will be published only if they are considered by the Editors to be of potential industrial significance and specifically concerned with chemical engineering. The editors will give preference to papers having a clearly stated practical scope and applicability in the areas of chemical engineering, and to those where new theoretical concepts are supported by new experimental details. Three types of manuscripts are published in the journal: Journal Reviews, Research Papers, Short Communications including Letters to the Editor. Authors can submit both of format manuscript written in English as well as Korean.

INVITED REVIEW PAPERS

Invited Review Papers are critical reviews for specific topics and hot issues of chemical engineering in order to inform the general reader of the background, state of art, and outstanding research progress. A notable scholar is invited by the Editor-in-Chief through the advice of the Editors.

JOURNAL REVIEWS

Journal Reviews are critical reviews of important areas of chemical engineering in order to inform the general reader of the background, state of art, and outstanding research problems. Authors planning a Journal Review should consult the Editor. Journal Review is commissioned by the Editor-in-Chief through the advice of the Editors.

RESEARCH PAPERS

Full-length research papers describe important new experimental or theoretical results and normally receive two reviews. Timely, critical, in-depth reviews in areas appropriate to the journal are invited. They should set the chosen field in perspective and give the reader some critical guidance in the evaluation of the present chemical engineering. There is no fixed maximum length for full-length papers, but they rarely exceed 30 double-spaced, typewritten pages on 215×280 mm including figures and tables. The format for full-length research papers is described below.

Title and Authors: The title should emphasize the principal objective covered by the paper. Use full name and, in a footnote, indicate the author to whom correspondence should be directed. Give the address of the institution where the work was done and show in a footnote, if desired, any author's address that is different.

Abstract: The abstract should state the objectives and present salient conclusions in no more than 150 words. It has to be a clear, concise summary giving scope and purpose, methods or procedures, significant new results, and conclusions.

Running title and Key words: Each authors should provide the Running title appropriate for the paper and five Key words for subject index.

Introduction: The paper begins with an introduction that is written for the general reader of the Journal, not for the specialist. This section should include the objectives, the significant prior work, and major results.

Body: Each author may choose the format best suited to the paper. Writing should be concise, eliminating details that are not essential to the development and are readily available in previously published papers, or accessible reports. Text should be sectionalized by inserting appropriate headings.

Units: SI system must be used for all dimensional quantities.

Acknowledgement: Acknowledgement section is placed at the end of body. It could cite financial support and meeting information.

Nomenclature: Symbols used in the text or in equations should be collected and identified in a table of nomenclature with definitions and dimensions near the end of the paper prior to the references section. Roman symbols should be listed alphabetically in the table first, then Greek symbols. The symbols should be those commonly used in chemical engineering.

References: References cited in the text should be numbered consecutively in the order of their appearance in the text, and the complete list of the references should appear at the end of the text. References in the text should be cited with numerals in brackets such as [2] or [3,7,9]. Abbreviations of journals should conform to Chemical Abstracts. Example reference formats are given below.

1. Reid, R. C., Prausnitz, J. M. and Sherwood, T. K., *The Properties of Gases and Liquids*, 3rd ed., McGraw-Hill, New York, NY(1977).
2. Armstrong, D. W., "Bonded Phase Material for Chromatographic Separation," U.S. Patent No. 4, 539, 399(1985).

3. Ban, H. S., Chang, S. H. and Ahn, W. S., "Alkylation of Toluene with Ethanol over a Ti-ZSM-5 Catalyst," *Korean J. Chem. Eng.*, **40**(2), 139-145(2002).
4. Lee, Y. W., "Pattern Formation and Convective Heat Transfer during Dendritic Crystal Growth," Ph.D. Dissertation, Rensselaer Polytechnic Institute, Troy, New York(1991).
5. Hutchings, G. J. and Scurrall, M. S., in E. E. Wolf(Ed.), *Methane Conversion by Oxidative Processes: Fundamental and Engineering Aspects*, Van Nostrand Reinhold, New York, 200-249(1992).
6. Jeon, M. H., Kim, H. S. and Choi, S. I., "Study on the Remediation of Pesticide-contaminated Soil Using *in-situ* Flushing," Spring Conference on Environmental Engineering, May, Seoul (2001).
7. <http://www.aist.go.jp/RIODB/db030/hy/estimate.html>.

Figures: Each figure should be numbered. Drawings and charts should be carefully made with black ink on white or blue drawing paper. It should be of sufficient size so that after photoreduction to a single column width (8 cm) and the smallest letter will be 2 mm. Legend should be placed in the white space of the drawings, not in the caption. The figure should be drawn with a grid in which spacing is commensurated with the accuracy implied in the plot. Original drawing should be retained by the authors until requested by the editor. Photographs can be accepted with additional charge if essential to the paper. All captions for figures should be typed on a separate sheet.

Tables: Tables should be numbered in Arabic numerals. They should have brief descriptive titles and should be appended to the paper. Column headings should be appended to the paper. Avoid tables and graphs which involve duplication. If you can use a graph, do not include a table. If the reader needs the table, omit the graph. Substitute a few typical results for lengthy tables when practical. Tables should be numbered by the order of mention in the text.

Equations: All equations should be numbered in Arabic numerals.

SHORT COMMUNICATIONS

Short communications present new experimental or theoretical content requiring rapid dissemination. Authors should clarify in the cover letter to the editor why the contribution deserves rapid publication. A short communication should not normally exceed two or three printed journal pages.

Letter to the editor may be submitted on any subject of interest to the Journal readership. Letters commenting on previously published articles will normally be sent to the authors of the previous publication for possible response prior to publication. A letter should not normally exceed 500 words on double-spaced typewritten pages.

SUBMISSION OF MANUSCRIPTS

Authors should submit their manuscripts to the appropriate editor online by logging directly onto the website <http://www.kiche.or.kr/> suite/review/ and upload the manuscripts following the on-screen instructions. Electronic submission reduces the editorial processing and reviewing time and shortens overall publication times. If you have any questions or problems in submitting the manuscripts online, please contact the Editorial office (e-mail: kiche@kiche.or.kr). All manuscripts are acknowledged as soon as they reach the editorial office. Authors not receiving such an acknowledgement in a reasonable time should notify the editor. By submitting a manuscript, authors agree that the copyright for their manuscript is transferred to the publisher if and when it is accepted for publication. The original manuscript and diagrams will be discarded on month after publication unless the editor is requested to return the original material to the author.

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