

# INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING

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## **Overview of the International Journal Of Chemical Reactor Engineering**

Franco Berruti\*

Hugo I. De Lasa†

Cedric Briens‡

\*The University of Western Ontario [berruti.ijcre@eng.uwo.ca](mailto:berruti.ijcre@eng.uwo.ca)

†The University of Western Ontario [briens.ijcre@eng.uwo.ca](mailto:briens.ijcre@eng.uwo.ca)

‡The University of Western Ontario, [delasa.ijcre@eng.uwo.ca](mailto:delasa.ijcre@eng.uwo.ca)

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# OVERVIEW OF THE INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING

FRANCO BERRUTI, HUGO I. DE LASA AND CEDRIC BRIENS  
*Department of Chemical and Biochemical Engineering, Faculty of Engineering  
The University of Western Ontario, London, Ontario, N6A 5B9 Canada*

## ABSTRACT

The International Journal of Chemical Reactor Engineering (IJCRE) is one of The Berkeley Electronic Press ([bepress](#)) journals and is dedicated to revolutionizing the academic publishing process. The Berkeley Electronic Press aims to use organizational and technological innovations to improve scholarly communication; to enhance the interaction among authors, editors, and readers; and to enable editors to produce scholarly materials without assistance or delays. The Berkeley Electronic Press tackles the problems scholars face in disseminating their work by offering a community-based solution in the form of peer-reviewed journals owned by the academic community of scholars.

The International Journal of Chemical Reactor Engineering (IJCRE) seeks to publish original and innovative research on the fundamental and applied aspects of chemical reactor engineering. The overall vision of the new International Journal of Chemical Reactor Engineering (IJCRE) is described in this manuscript. The paper illustrates also the aims and scope of the journal, the types of publications, the journal policies, and it includes the proposed membership to the Editorial Board.

## INTRODUCTION

The International Journal of Chemical Reactor Engineering (IJCRE) is a peer-reviewed, all-electronic journal, publishing original research in all areas of chemical reaction and reactor engineering. The journal's Editors and staff are committed to building The International Journal of Chemical Reactor Engineering (IJCRE) into the leading scientific journal in its field by publishing articles of outstanding scientific quality that merit the attention and interest of all chemical engineers. The International Journal of Chemical Reactor Engineering (IJCRE) is available at very affordable subscription costs to readers around the world via the Internet. The International Journal of Chemical Reactor Engineering (IJCRE) is funded by institutional and individual subscriptions.

All articles published in The International Journal of Chemical Reactor Engineering (IJCRE) must meet the highest scientific quality standards, both in terms of originality and significance. Criteria for acceptance are:

- \* Outstanding scientific quality; likely to be widely read and highly cited;
- \* Importance to the field;
- \* Work that makes a major contribution to the advancement of chemical reactor engineering;
- \* Interest to specialists in the field and accessible to researchers with interests outside the immediate topic of the paper;
- \* Readability and presentation.

The International Journal of Chemical Reactor Engineering (IJCRE)'s Editors encourage authors to be concise, and short high-quality articles are welcome. The International Journal of Chemical Reactor Engineering (IJCRE) publishes original full-length research papers, review articles, short communications and conference presentations. Only articles written in English will be considered for publication. The journal encourages authors to present data and results which utilize the features of the electronic medium. The International Journal of Chemical Reactor Engineering (IJCRE) operates a full Electronic Submissions Service which allows authors to send both their initial submission and revised version in electronic form, with no need to provide paper copies. The journal editors can work directly from an author's source files from any word processor. Detailed Submission Guidelines are available.

The International Journal of Chemical Reactor Engineering (IJCRE) embraces a new publication model at times when the ever increasing costs makes subscriptions to traditional printed journals significantly problematic. This model provides a real opportunity to chart an innovative and responsible way forward and The International Journal of Chemical Reactor Engineering (IJCRE) is a response to the current issues and challenges of journal publishing.

The novelty of The International Journal of Chemical Reactor Engineering (IJCRE) is in the ability to utilize effectively the advances in digital technologies and provide a very significantly enhanced and enriched product. A key advantage is that the additional features of the electronic journal are combined with affordability, accessibility and significantly shortened publication times.

The International Journal of Chemical Reactor Engineering (IJCRE) takes advantage of web publishing in several ways. Articles are published on the web as soon as they are accepted rather than wait for an issue to be completed. Authors can present data and results which cannot be readily presented in print journals. For example, authors will soon be able to include additional experimental data, supplementary figures or tables, databases, spreadsheets as well as video/audio clips showing simulations, experimental results, etc. In addition hypertext links to other resources/supplementary material and references available elsewhere on the web can be easily included. Publication times can be significantly shortened with respect to printed versions of scholarly journals, as the full advantages of the electronic transmission are utilized. One additional feature is the ability to maintain a discussion forum associated with each paper, where questions/answers and comments can be posted and additional information provided by the authors as it becomes available, subject to editorial approval.

The International Journal of Chemical Reactor Engineering (IJCRE) started the publication of articles in the summer of 2002.

## **AIMS AND SCOPE**

The International Journal of Chemical Reactor Engineering (IJCRE) publishes significant research and scholarship in the broad fields of theoretical and applied reactor engineering. The mandate of the journal is to assemble high quality papers from the broad research spectrum covered by modern reactor engineering. The range of topics includes single-phase and multi-phase reactor design, operation and control, new chemical reactor concepts, fluid mechanics and fluid dynamics, computational fluid dynamics, catalysis, low and high pressure and temperature operation, environmental and economical implications, as well as topics drawn from the substantial areas of overlap between reaction and reactor engineering.

Among the innovative features of the journal, we wish to highlight the following:

Electronic publication gives most readers access to your paper at their desktops.

Author as typesetter means that you will never again scour copyedited manuscripts or galleys in search of errors introduced by copyeditors and typesetters. What you wrote is exactly what your readers will see.

Reviewers who write especially insightful reviews will be invited by editors to publish them as comments.

Reviewers can send questions to authors by anonymous email, so reviewers are less likely to misunderstand authors, and authors are more likely to avoid confused writing.

## **TYPES OF PUBLICATIONS**

The International Journal of Chemical Reactor Engineering (IJCRE) offers an outstanding forum for scholarly publication and debate in the form of four different types of original peer-reviewed contributions:

- Review articles (generally by invitation of the Editors)
- Full-length research papers
- Short notes or communications, (complete descriptions of limited investigations or major breakthroughs)
- Conference presentations

Articles accepted by The International Journal of Chemical Reactor Engineering (IJCRE) are expected to make an important and long-lasting contribution to the field of reactor engineering.

## **JOURNAL POLICIES**

A submitted article is assigned a single editor, who oversees the editorial process, and who ultimately decides whether the submission should be rejected, sent back for revisions, or accepted. The editorial decision is based on reviews of the submission by peers. The International Journal of Chemical Reactor Engineering (IJCRE) aims to have three to four reviews of each submission. Moreover, a decision is guaranteed within ten weeks.

If The International Journal of Chemical Reactor Engineering (IJCRE) accepts the article, the author will be asked to send an electronic version of the article that conforms to bepress's formatting requirements. The author will also be required to agree to the publication agreement. If the author agrees, then the article will be published shortly after receipt of the final electronic version. Should the author not agree, then the article is considered withdrawn.

If the author is invited to revise and resubmit, then whether and when this is done is up to the author. The author can, at this stage, withdraw the article if he or she wishes. The author must notify the editors of his or her intention to resubmit within 30 days. During that time, the paper cannot be submitted to another journal (electronic or print).

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Any original work in the broad field of chemical reactor engineering can be submitted. Submitted articles cannot have been previously published, nor be forthcoming in an archival journal or book (print or electronic). Please note: "publication" in a working-paper series does not constitute prior publication. In addition, by submitting material to The International Journal of Chemical Reactor Engineering (IJCRE), the author is stipulating that the material is not currently under review at another journal (electronic or print) and that he or she will not submit the material to another journal (electronic or print) until the completion of the editorial decision process at The International Journal of Chemical Reactor Engineering (IJCRE).

## **Formatting Requirements**

The International Journal of Chemical Reactor Engineering (IJCRE) has no general rules about the formatting of articles upon initial submission. There are, however, rules governing the formatting of the final submission. See [Final Manuscript Preparation Guidelines](#). Although bpress can provide limited technical support, it is ultimately the responsibility of the author to produce an electronic version of the article as a high-quality PDF (Adobe's Portable Document Format) file, or a Microsoft Word or RTF file that bpress can convert to a PDF file.

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Joachim Werther	Technical University Hamburg-Harburg (Germany)	<a href="mailto:werther@tu-harburg.de">werther@tu-harburg.de</a>
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