



Chemical Product and Process Modeling

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Scope and general policies of the journal

Scope

Chemical Product and Process Modeling (CPPM) is a quarterly journal that publishes theoretical and applied research on product and process design modeling, simulation and optimization. Thanks to its international editorial board, the journal assembles the best papers from around the world on to cover the gap between product and process. The journal brings together chemical and process engineering researchers, practitioners, and software developers in a new forum for the international modeling and simulation community.

Topics:

- equation oriented and modular simulation
- optimization technology for process and materials design, new modeling techniques
- shortcut modeling and design approaches
- performance of commercial and in-house simulation and optimization tools
- challenges faced in industrial product and process simulation and optimization
- computational fluid dynamics
- environmental process, food and pharmaceutical modeling
- topics drawn from the substantial areas of overlap between modeling and mathematics applied to chemical products and processes
- sustainability in process modeling and simulation
- process modeling through various dimensions of data science and analytics, including but not limited to machine learning, statistical analysis, and data visualization

Targeted audience: researchers and professionals working in the fields of chemical product and process design, simulation and modelling.

CPPM is English-language, hybrid journal, published six times a year.

Article (manuscript) categories

- Editorial Note
- Research Article
- Review Article
- Short Communication
- R&D Note
- Technical Note

Special issues and special issue section

CPPM publishes special and thematic issues focused on important and emerging topics in the field of study. Ideas for special issues are proposed by the journal's editorial board, but the journal will also consider proposals for special issues submitted by members of the wider research community. All proposals are assessed for quality and relevance by the Editors-in-Chief and the editorial office.

The journal has established a rigorous process to ensure that any special issue manuscripts follow the same high-quality standards and peer review processes as regular manuscripts. Each special issue has (a) dedicated Guest Editor(s) who is/are responsible for the coordination of the peer review process of any manuscripts submitted to the special issue in the online submission system. The Editors-in-Chief or the editorial office check(s) the initial manuscript and assigns it to the appropriate Guest Editor. The Guest Editor invites reviewers and makes recommendations on revisions and final decisions. The Editors-in-Chief have oversight of the entire process within the online submission system and are responsible for the final decision on all manuscripts.

Submission of manuscripts

- Submit manuscripts exclusively online at: <http://mc.manuscriptcentral.com/dgcppm>

We strongly recommend that authors register with institutional email addresses and do not use private email addresses. Institutional email addresses serve as strong authenticity markers. In addition, institutional email domains identify authors who are entitled to open access discounts per institutional agreements with the publisher. Not using an institutional email address may result in delayed or missed open access publication.

A cover letter must be submitted for each manuscript upon first submission. It should contain a brief statement by the authors as to the element of novelty upon which they base their request for publication in CPPM. Please address the cover letter to the Editor-in-Chief. Revised manuscripts must be accompanied by a point-by-point reply to the reviewers' comments. Major changes in the revised manuscript must be highlighted, preferably in tracked changes mode. A second, clean version should always be submitted for major changes.

ORCID

ORCID (Open Researcher and Contributor ID) is a non-profit, publisher-independent system that is used to uniquely identify academics and their publications. Detailed information about ORCID can be found at www.orcid.org/. Providing an ORCID number for each author is strongly recommended. ORCID numbers should be listed on the title page.

Submission declaration and verification

For information on plagiarism, please refer to [COPE – Committee of Publication Ethics](#).

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Scientific misconduct

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Responsible authorship and research integrity

The authors are responsible for all aspects of the study and will ensure that any questions regarding the accuracy and integrity of any part of the work are adequately investigated and resolved.

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CPPM requires authors to follow our [Data Sharing Policy](#), which must comply with the European GDPR (General Data Protection Regulation) rules.

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Where possible, data should be submitted to discipline-specific, community-recognized repositories. In cases where there is no appropriate discipline-specific resource, data may be submitted to a general data repository. Please see <https://www.re3data.org/>, <https://fairsharing.org/>, or <https://repositoryfinder.datacite.org/> for help finding research data repositories. We strongly recommend using [CoreTrustSeal](#) certified repositories.

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We further recommend citing the data that has been shared in the reference list. Data citations should include a persistent identifier, should be included in the reference list using the minimum information recommended by [DataCite](#) (Dataset Creator, Dataset Title, Publisher [repository], Publication Year, Identifier [e.g. DOI, Handle or ARK]) and follow journal style.

Peer review, turnaround times and pre-publication policies

Rejection of manuscripts and peer review information

Submitted manuscripts will be reviewed in a two-step procedure. Firstly, the Editor-in-Chief decides whether the manuscript fulfills the substantive and formal criteria for the further peer review process. The decision is based on the following criteria:

- relevance: the content conforms to the scope and goals of CPPM,
- originality/topicality: the content is sufficiently important and topical to be worthy to be published in CPPM,
- formal correctness: the formal criteria have been met (also in view of the manuscript being written in understandable English),
- ethical guidelines: national and international ethical standards for studies with human and/or animal subjects are fulfilled (where applicable).

In cases where the criteria have not been met, the manuscript will be rejected without peer review.

CPPM is a double-anonymized journal. Manuscripts which fulfill the substantive and formal criteria are reviewed anonymously by at least two independent reviewers selected by the Editors. The authors must provide the names, institution, country, and email addresses of at least four potential reviewers. Reviewers indicated by the authors must be of institutions and countries different from the corresponding author/those of any of the authors. Authors may also provide names of reviewers they wish to exclude from reviewing their manuscripts.

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CPPM aspires to inform authors of the peer review decision within 3-4 weeks from the submission date. Revised manuscripts should be returned within 6 weeks. Accepted manuscripts will be published online within 2-4 weeks of acceptance.

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