



# COMPUTERS & CHEMICAL ENGINEERING

An International Journal of Computer Applications in Chemical Engineering

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Computers & Chemical Engineering* is primarily a journal of record for new developments in the application of **computing** and **systems technology** to **chemical engineering** problems. Several major areas of study are represented in the journal, including:

- Modeling, numerical analysis and simulation
- Mathematical programming (optimization)
- Cyberinfrastructure, informatics and intelligent systems
- Process and product synthesis/design
- Process dynamics, control and monitoring
- Abnormal events management and process safety
- Plant operations, integration, planning/scheduling and supply chain
- Enterprise-wide management and technology-driven policy making
- Domain applications (molecular, biological, pharmaceutical, food, energy, and environmental systems engineering)

Also, general papers on **process systems engineering** are welcome as well as emerging new areas and topics not covered above.

Articles published cover different aspects of the application of process systems engineering to one or more of the general areas listed above, including new applications of established methods, comparisons of alternative methodologies, descriptions of state-of-the-art industrial applications and significant developments in computing targeted at training/education. Reports of software implementation must feature novel uses of state-of-the-art computing technologies. *Computers & Chemical Engineering* publishes full-length articles, perspective papers, journal reviews, short notes and letters to the [editor](#).

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Chemical Engineers and Engineers in the chemical process industries, especially those of a process systems orientation.

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### **Introduction**

*Computers & Chemical Engineering* is primarily a journal of record for new developments in the application of computing and systems technology to chemical engineering problems. Several major areas of study are represented in the journal, including:

Modeling, numerical analysis and simulation Mathematical programming (optimization) Cyberinfrastructure, informatics and intelligent systems Process and product synthesis/design Process dynamics, control and monitoring Abnormal events management and process safety Plant operations, integration, planning/scheduling and supply chain Enterprise-wide management and technology-driven policy making Domain applications (molecular, biological, pharmaceutical, food, energy, and environmental systems engineering)

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Citations may be made directly (or parenthetically). Groups of references should be listed first alphabetically, then chronologically.

Examples: 'as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999). Kramer et al. (2010) have recently shown ....'

*List:* References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.

### *Examples:*

Reference to a journal publication:

Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. *J. Sci. Commun.* 163, 51–59.

Reference to a book:

Strunk Jr., W., White, E.B., 2000. *The Elements of Style*, fourth ed. Longman, New York.

Reference to a chapter in an edited book:

Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith, R.Z. (Eds.), *Introduction to the Electronic Age*. E-Publishing Inc., New York, pp. 281–304.

Reference to a website:

Cancer Research UK, 1975. Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> (accessed 13 March 2003).

Reference to a dataset:

[dataset] Oguro, M., Imahiro, S., Saito, S., Nakashizuka, T., 2015. Mortality data for Japanese oak wilt disease and surrounding forest compositions. *Mendeley Data*, v1. <https://doi.org/10.17632/xwj98nb39r.1>.

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