

## Special Issue

# Multivariable Control and Object-Oriented Modeling

### Message from the Guest Editors

Most natural or artificial processes are complex systems that involve different domains of nature and multiple interrelated variables. This makes their modeling and control a difficult task. Object-oriented modeling and simulation is one of the main tools to analyze and assess the behavior of such complex systems. This Special Issue on “Multivariable Control and Object-Oriented Modeling” focuses on new developments and applications of object-oriented modeling of multivariable complex systems and multivariable control methodologies. Topics include but are not limited to:

- Developments of object-oriented modeling;
- Applications of object-oriented modeling;
- Development of multivariable control methodologies;
- Analysis of interaction of multivariable processes;
- Application of multivariable control strategies, such as multivariable PID control, decoupling control, multivariable MPC, decentralized control, multivariable robust control, and so on.

### Guest Editors

Prof. Dr. Juan Garrido Jurado

Department of Electrical Engineering and Automatic Control, University of Cordoba, Campus de Rabanales, 14071 Cordoba, Spain

Prof. Dr. Mario Luis Ruz Ruiz

Department of Mechanical Engineering, University of Cordoba, Campus of Rabanales, Leonardo da Vinci Building, Cordoba, Spain

### Deadline for manuscript submissions

closed (30 September 2019)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.1



[mdpi.com/si/23800](https://mdpi.com/si/23800)

*Processes*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.1



[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q2 (Chemical Engineering (miscellaneous))