



## Neural Networks, Fuzzy Systems and Other Computational Intelligence Techniques for Advanced Process Control

Guest Editors:

**Dr. Jie Zhang**

School of Engineering, Newcastle University, Newcastle upon Tyne NE1 7RU, UK

**Prof. Dr. Meihong Wang**

Department of Chemical and Biological Engineering, University of Sheffield, Sheffield S1 3JD, S Yorkshire, UK

Deadline for manuscript submissions:

**closed (20 November 2022)**

### Message from the Guest Editors

This Special Issue on “Neural Networks, Fuzzy Systems, and Other Computational Intelligence Techniques for Advanced Process Control” aims to curate novel advances in the development and application of computational intelligence to address longstanding challenges in process systems engineering. Topics include but are not limited to:

- Data-driven modelling of industrial processes using machine learning techniques such as neural networks;
- Intelligent process control using neural networks, fuzzy systems, and other computational intelligence techniques;
- Intelligent image analysis in process systems engineering;
- Intelligent process monitoring using computational intelligence techniques; and
- Process optimisation using computational intelligence techniques.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Giancarlo Cravotto**

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

## Message from the Editor-in-Chief

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

## 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)*)

## Contact Us

---

Processes Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)