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## Process System Engineering 4.0

Guest Editors:

**Dr. Idelfonso B. R. Nogueira**

Department of Chemical Engineering, Norwegian University of Science and Technology, 7034 Trondheim, Norway

**Prof. Dr. Alexandre F. P. Ferreira**

Laboratory of Separation and Reaction Engineering (LSRE), Department of Chemical, Faculty of Engineering of the University of Porto (FEUP), Porto, Portugal

**Prof. Dr. Márcio A. F. Martins**

Departamento de Engenharia Química, Escola Politécnica, Universidade Federal da Bahia, Salvador 40210-630, BA, Brazil

Deadline for manuscript submissions:

**closed (21 March 2023)**

### Message from the Guest Editors

Process System Engineering (PSE) is a consolidated field that provides the backbone for large-scale industrial production. The present social dynamics require the industry to quickly respond to external changes with the flexibility to reconfigure itself while constantly optimizing and controlling its processes.

In this scenario, several new technologies are emerging to address these issues. This is promoting the 4th Industrial Revolution, so-called Industry 4.0. The synergy between these new technologies and PSE fosters the emergence of a new field, Process System Engineering 4.0. In this context, this Special Issue aims to promote and discuss the new developments in PSE. Its goal is to address the most recent advancements in PSE 4.0 and future perspectives in this field. Hence, this Special Issue will promote the debate surrounding the multidisciplinary intersection between PSE 4.0 and topics such as: scientific machine learning; advanced control systems; optimization theory; high-performance computing; distributed systems; digital twins; cyber-physical systems.



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# Special Issue



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### 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.

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

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