



## Sustainable Production Scheduling and Supply Chain Management under Resource Constraints and Factory Eligibility

Guest Editors:

**Dr. Shib Sankar Sana**

Department of Mathematics,  
Kishore Bharati Bhagini Nivedita  
College, Kolkata, India

**Dr. Subrata Saha**

Department of Materials and  
Production, Aalborg University,  
9220 Aalborg, Denmark

Deadline for manuscript  
submissions:

**closed (31 August 2022)**

### Message from the Guest Editors

We encourage and welcome high-quality applied and methodological articles on such topics as those listed below, but not limited to:

- job shop scheduling
- green production technology
- production planning and scheduling with budget constraints
- humanitarian supply chain and logistics production planning
- big data analysis in job shop scheduling problems
- optimum methods of operations to improve the 3Rs (responsiveness, resilience, and restoration) in supply chain
- soft computing techniques to job scheduling under ergonomic constraints in the manufacturing industry
- inventory control in production planning and job shop scheduling
- hybrid flow shop scheduling problem with setup time and assembly operations
- maintenance operations and access restrictions to machines
- multi-objective scheduling problems
- JIT scheduling problem in the machine flow shop
- leanness concept and system dynamics approach in manufacturing systems
- goal programming approach to optimizes sustainable operations management





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)