



## Design and Optimization of Manufacturing Systems

Guest Editors:

**Prof. Dr. Zoran Jurković**

Faculty of Engineering, University  
of Rijeka, Vukovarska 58, 51000  
Rijeka, Croatia

**Dr. David Ištoković**

Faculty of Engineering, University  
of Rijeka, Vukovarska 58, 51000  
Rijeka, Croatia

**Dr. Janez Gotlih**

Faculty of Mechanical  
Engineering, University of  
Maribor, Smetanova ul. 17, 2000  
Maribor, Slovenia

Deadline for manuscript  
submissions:

**closed (15 June 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue collects research on the design and optimization of manufacturing systems to increase efficiency, reduce production costs, improve sustainability, and other performance measures relevant to today's production environments. Research papers that provide solutions to current real-world problems are also welcome.

Therefore, all experts are invited to submit their research contributions for a Special Issue of Applied Sciences, "Design and optimization of manufacturing systems." We look forward to receiving your contributions to this Special Issue.

### Keywords

- manufacturing systems
- layout design
- industry 4.0
- smart factory
- production planning
- scheduling
- optimization
- simulation

For more information on the Special Issue, please visit:

[https://www.mdpi.com/journal/applsci/special\\_issues/KVC4J2E3](https://www.mdpi.com/journal/applsci/special_issues/KVC4J2E3)





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](https://twitter.com/appls)