

# Special Issue

## Rapid Manufacturing Technologies

### Message from the Guest Editor

The last three decades have seen the emergence and evolution of new manufacturing technologies that offer the benefits of complexity, speed, cost, and high quality of products. Rapid Manufacturing (RM) Technologies, based on Additive Manufacturing techniques (AM), make possible the fabrication of end-use items directly from Computer Aided Design (CAD) data. Despite significant research efforts, the evolution of RM technologies is far from complete with many significant challenges that need to be overcome. The aim of this Special Issue is to collect a series of articles (experimental, analytical and computational) related to technologies, methods, materials, systems and applications in the field of Rapid Manufacturing.

- Design optimization tools and strategies
- Simulation models for RM processes
- Process reliability and product quality
- Materials considerations and characterization
- Additive Manufacturing
- Application of available technologies
- 3D micro/nanostructures

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### Guest Editor

Prof. Dr. Dimitris Karalekas

Director of Laboratory of Advanced Manufacturing Technologies and Testing, Department of Industrial Management and Technology, University of Piraeus Karaoli and Dimitriou 80 Str., GR-18534 Piraeus, Greece

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### Deadline for manuscript submissions

closed (30 November 2018)



## Technologies

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

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## About the Journal

### Message from the Editor-in-Chief

*Technologies*, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

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### Editor-in-Chief

Prof. Dr. Manoj Gupta

Department of Mechanical Engineering, National University of  
Singapore, Singapore 117576, Singapore

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#### Journal Rank:

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(Computer Science (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 21.8 days after  
submission; acceptance to publication is undertaken in 3.9  
days (median values for papers published in this journal in  
the first half of 2025).