





an Open Access Journal by MDPI

# Micro/Nano Manufacturing Processes: Theories and Optimization Techniques

Guest Editors:

#### Dr. Zeiia Zhao

College of Mechatronics and Control Engineering, Shenzhen University, Shenzhen 518060, China

#### Prof. Dr. Guoqing Zhang

School of Mechanical Engineering, Shenzhen University, Lihu Campus, Xueyuan Avenue, Nanshan District, Shenzhen 518060, China

#### Dr. Wai Sze YIP

Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong SAR, China

Deadline for manuscript submissions:

31 May 2024

## **Message from the Guest Editors**

This Special Issue aims to study some essential issues about theories and optimization techniques in the micro/nano manufacturing processes. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Micro/nano manufacturing technologies such as ultraprecision machining, photolithography, etching, ion beam machining, microforming, micromolding, etc.
- Theories and simulation analyses of micro/nano manufacturing;
- Molecular dynamic simulation of nano manufacturing;
- Optimization methods of micro/nano manufacturing processes;
- Size effects in micro/nano manufacturing;
- Micro/nano additive manufacturing;
- Non-conventional micro machining processes;
- Fabrication technologies and applications of nanomaterials;
- Applications of micro/nano components or systems.











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**