



## Nanoimprinting and Sustainability

Guest Editor:

**Dr. Michael Mühlberger**

Functional Surfaces and  
Nanostructures, Profactor GmbH,  
Steyr-Gleink, Austria

Deadline for manuscript  
submissions:

**30 September 2024**

### Message from the Guest Editor

Dear Colleagues,

Nanoimprinting has several key features which makes it very interesting for a broad range of applications, both in industry and research. It facilitates the replication of micro- and nanoscale features in a fast and cost-efficient process, allows the direct (additive) patterning of functional materials and can also be applied on complex and curved surfaces. Many applications that are realized with nanoimprinting already address sustainability aspects such as antireflective structures for photovoltaics or antifouling structures for ships. On the other hand, nanoimprinting itself can be a process which is run in a sustainable, energy- and resource-efficient way, potentially using materials from renewable sources.

This Special Issue aims to collect contributions dealing with the sustainability of nanoimprinting itself as well as with research and applications with a clear sustainability aspect that have been realized using nanoimprinting. It hopes to stimulate discussions and research for a more sustainable future.

Dr. Michael Mühlberger  
*Guest Editor*





## Editor-in-Chief

**Dr. Andres Castellanos-Gomez**

Instituto de Ciencia de Materiales  
de Madrid (ICMM-CSIC), E-28049  
Madrid, Spain

## Message from the Editor-in-Chief

The capability to manipulate, assemble, and fabricate nano-objects have given rise to nanoscience, one of the most rich and interdisciplinary fields of research. In fact, mechanics, optics, magnetism, or electronics at the nanoscale strongly differ from their macroscopic counterparts, and thus several disciplines are necessary to study nanomaterials. This field's development parallels the technical advances that have made it possible to control matter at the nanoscale. Our journal, *Nanomanufacturing*, seeks to provide a forum for discussion and a platform to publish the latest results regarding the fabrication, manipulation, scalability, and eventual industrial production of miniaturized devices or objects. All of our articles are published with rigorous refereeing and open access.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 23 days after submission; acceptance to publication is undertaken in 7.8 days (median values for papers published in this journal in the second half of 2023).

**Recognition of Reviewers:** APC discount vouchers, optional signed peer review, and reviewer names published annually in the journal.

## Contact Us

*Nanomanufacturing* 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/nanomanufacturing](http://mdpi.com/journal/nanomanufacturing)  
[nanomanufacturing@mdpi.com](mailto:nanomanufacturing@mdpi.com)