



Structural Integrity of Polymeric Components Produced by Additive Manufacturing

Guest Editors:

Dr. Rui F. Martins

Department of Mechanical and Industrial Engineering, NOVA School of Science & Technology, Universidade NOVA de Lisboa, 2829-516 Caparica, Portugal

Dr. Ricardo Branco

Department of Mechanical Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Prof. Dr. Filippo Berto

Department of Chemical Engineering, Materials and Environment, Sapienza University of Rome, 00184 Rome, Italy

Deadline for manuscript submissions:

closed (13 June 2022)

Message from the Guest Editors

Additive Manufacturing (AM) is defined as a “process of joining materials to make objects from 3D model data, usually layer-upon-layer, as opposed to subtractive manufacturing methodologies, such as traditional machining”.

In this Special Issue, the structural integrity of polymeric components produced by additive manufacturing will be addressed. We can say that most polymers, either natural or synthetic, thermoplastic or thermosetting, can be considered as cheap materials, also characterised by low densities and by a vast diversity of mechanical resistance, ductility, toughness, and viscoelasticity, to mention a few attributes. Their use increased tremendously since the 1930s, substituting steel, glasses, etc., and introducing an extensive list of new synthetic polymers in final products. Therefore, we would like to kindly invite you to present your research or technology results concerning the use of AM of polymers, covering a broad range of all the scientific areas of knowledge.





Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Polymer Science*) / CiteScore - Q1 (*Polymers and Plastics*)

Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
[X@Polymers_MDPI](https://twitter.com/Polymers_MDPI)