



Extrusion Based Additive Manufacturing

Guest Editors:

Prof. Dr. Gianluca Cicala

Department of Civil Engineering
and Architecture, University of
Catania, Viale Andrea Doria 6,
95125 Catania, Italy

Prof. Marco Cavallaro

Institute of Materials and
Manufacturing, Brunel University
London, Uxbridge UB8 3PH, UK

Dr. Ian Major

Materials Research Institute,
Athlone Institute of Technology,
Dublin Road, N37 HD68 Athlone,
Ireland

Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editors

Dear Colleagues,

Extrusion Based Additive Manufacturing, also referred as FFF (Fused Filament Fabrication), is a widely used additive manufacturing technique in various fields ranging from simple prototyping to functional parts production. The market response to the introduction of machine like those from Roboze, Apium and Intamsys producing PEEK parts demonstrate that Extrusion Based Additive Manufacturing techniques are still not to its limits. The use of tailored materials for Extrusion Based Additive Manufacturing is not fully exploited and also the lack of standards for this technology, even if there are some general for AM like ISO/ASTM 52900 and more specific to Material Extrusion, for example ISO/ASTM 52903-1, is an open field needing for contributions by industry and academia. The present special issues is aimed to collect contributions ranging from novel materials development to the characterization of mechanical and functional properties of FDM printed parts. Papers focusing on the development of standards for FDM or on the use of FDM for functional applications are also welcome.

Prof. Gianluca Cicala

Prof. Marco Cavallaro

Prof. Ian Major

Guest Editors





an Open Access Journal by MDPI

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)