

## Special Issue

# Corrosion in Additive Manufacturing

### Message from the Guest Editors

Despite the great development and the large number of investigations carried out in Additive manufacturing, the optimization of the manufacturing processes is still necessary. The microstructural changes, the presence of defects and the anisotropy in the properties, condition the final properties and therefore their applicability. Many of the existing investigations limit the characterization of these materials to mechanical behavior, although we cannot forget that degradation processes, such as corrosion in metals, largely condition their applications. This Special Issue focuses on the corrosion resistance of metallic materials and metallic matrix materials obtained by additive manufacturing. Topics of interest include, but are not limited to:

- Correlation between microstructure, manufacturing defects, surface finish and electrochemical response
- Optimization or simulation of AM to improve the properties against corrosion
- Electrochemical response of new AM materials
- Advancements in degradation of AM materials

### Guest Editors

Dr. Raul Figueroa

Department of Materials Engineering, Applied Mechanics and Construction, University of Vigo, Vigo, Spain

Prof. Dr. Rhys Jones

1. Department of Mechanical and Aerospace Engineering, Monash University Clayton, Clayton, VIC 3800, Australia
2. ARC Industrial Transformation Training Centre on Surface Engineering for Advanced Materials, Faculty of Science, Engineering and Technology, Swinburne University of Technology, John Street, Hawthorn, VIC 3122, Australia

### Deadline for manuscript submissions

closed (20 October 2022)



## Materials

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

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### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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