



## Advanced Technologies of Welding, Surfacing, and Thermal Spraying of Modern Materials

Guest Editors:

**Dr. Artur Czupryński**

**Dr. Marcin Adamiak**

**Prof. Dr. Antonín Kříž**

**Dr. Tünde Anna Kovács**

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

This Special Issue is a forum for the publication of articles allowing an in-depth understanding of the relationship between the structure, properties, and functions in welded joints, as well as surface layers produced using advanced welding technologies and innovative engineering materials. This work includes an overview of various types of welding techniques, including solid-state welding processes, used to join new metal alloys, composites, polymers, and ceramics from different perspectives. The impact of various process parameters, structural morphology, and changes in mechanical properties will be important issues raised in individual chapters. Weld techniques, including laser welding, electron beam welding, plasma welding, ultrasonic welding, diffusion welding, or friction stir welding, will be analysed in terms of creating satisfactory and high-quality welded joints. In addition, the purpose of this Special Issue is to present the latest developments in the field of research regarding innovative technologies and materials for the production of surface layers and coatings resistant to mechanical wear, thermal wear, and corrosion.





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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

## Message from the Editor-in-Chief

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Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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