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Advances in Cold Gas Spraying Technology: Expanding Boundaries in Coating and Additive Manufacturing of Materials

Guest Editor:

Dr. Vicente Albaladejo

Thermal Spray Center,
Department of Materials Science
and Engineering, Faculty of
Chemistry, University of
Barcelona, 08028 Barcelona,
Spain

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Message from the Guest Editor

Dear Colleagues,

Cold gas spraying (CGS) has emerged as a promising technology for the deposition of a wide range of materials onto various substrates. This Special Issue aims to highlight recent advancements in CGS technology and its applications in the fields of coating and additive manufacturing.

The Special Issue features contributions from experts in the field who present novel research findings, innovative methodologies, and industrial applications of CGS. The topics covered in this Special Issue include, but are not limited to:

- Characterization of CGS coatings: microstructure, mechanical properties, and performance evaluation
- Novel materials and feedstock development for CGS
- Multifunctional coatings and tailored properties using CGS
- CGS for additive manufacturing: process development, material selection, and part quality
- Hybridization of CGS with other coating and additive manufacturing techniques
- Computational modeling and simulation of CGS processes
- Applications of CGS in aerospace, automotive, energy, biomedical, and other sectors
- Environmental consideration and sustainability



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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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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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