Special Issue

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

Message from the Guest Editor

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 considerations and sustainability aspects of CGS

Guest Editor

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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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