

Special Issue

Cold Spray Deposition of Coatings, Novelties and Applications

Message from the Guest Editor

Cold spraying is a recent developments in thermal spraying. There are fundamental differences that make cold-sprayed layers distinct from those produced using other thermal spraying processes. The process renders itself suitable for producing coatings free from oxidation, phase transformation and grain growth. It is useful for oxidation-sensitive materials, as well. This Special Issue will serve as a forum for knowledge dissemination in the following frontiers:

- Recent developments in numerical modelling and simulation of cold spraying process;
- Cold spray as a tool for additive manufacturing;
- Cold spray for oxidation sensitive materials;
- Cold spray in mass production.

Prof. Dr. Partha Pratim Bandyopadhyay

Guest Editor

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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