

Special Issue

Advances in Thermal Deposition Methods for Functional Coatings: Properties and Applications

Message from the Guest Editor

I invite you to contribute to this Special Issue with various scientific papers (types of thermal deposition, plasma jet thermal deposition, thermal deposition in general, spray metallization, spray metallization, new technologies, etc.). There is ongoing research on improving surface properties for industrial applications, for agricultural soil processing machinery, in the metallurgical industry, etc., in order to increase mechanical strength, corrosion resistance and wear resistance under considerable loads. The purpose of the Special Issue is to include articles dedicated to thermal deposition methods for functional coatings (plasma jet, electric arc, or flame spraying). This Special Issue aims to collect at least 10 articles in this field with applicability in various industrial, agricultural or metallurgical fields, by imposing special usage properties, depending on the nature of the powders/materials used, for specific very-high-performance uses.

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, peer-reviewed, 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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