

Special Issue

Advanced Spray Coatings

Message from the Guest Editor

As a thin-film or thick-coating deposition process, spray technologies such as thermal spray, spray pyrolysis, and so on have been practically used for over 20 years due to their high deposition rate and low equipment cost in comparison with those of the conventional CVD and PVD processes, etc. In addition, since new spray technologies, such as HVOF (high-velocity oxygen fuel flame spraying), cold spraying, and SPS (suspension plasma spraying), in the field of thermal spray technology were developed and have been practically used recently, the utility of spray technologies are still widely spread. Therefore, information on the latest and prominent research on spray technologies are very important for engineers and researchers in this research field. The topic of this Special Issue includes but not limited to the following:

- Fundamentals and new concepts of spray technology
- Spray coatings for electronics devices
- Modeling and simulation of chemical reactions during film deposition
- Diagnostics of spray flow during film deposition

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/32745

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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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