

Advances in Ceramic Materials and Coatings

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Message from the Guest Editors

Dear Colleagues,

Ceramic materials have received widely attention and have been researched owing to their excellent properties, such as high melting point, high hardness, high mechanical properties, good corrosion resistance, high oxidation resistance, and so on. These properties make them successfully applied in many fields, including coatings, high temperature-parts, cutting tools, engineering, packaging substrates, and so on. Research about new ceramic materials, new technologies for preparing ceramic materials, and improved ceramic materials with superior properties is increasing, and many key problems related to their preparation and the improvement of their properties have been solved. Therefore, we developed this new Special Issue of *Coatings* that will collect original research articles and review papers focusing on recent important challenges and developments in the field of ceramic materials and coatings.

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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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