

Laser-Assisted Processes and Thermal Treatments of Materials

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Message from the Guest Editors

Dear Colleagues,

We are launching this new Special Issue of *Coatings* that will collect original research articles and review papers. The theme of this Special Issue focuses on obtaining/characterizing/applying coatings that include thermal treatment (cooling or heating) or a laser-assisted process.

In the volume are targeted studies of materials for coatings that in the obtaining stage use heat/cooling treatment or laser-assisted processes or are obtained directly by combustion.

Materials for coatings characterized in terms of heating or cooling behavior, e.g., Differential Thermal Analysis, Differential Scanning Calorimetry, Thermal Mechanic Analysis, measurements in the cryogenic environment are included. Materials characterized by Dynamic Light Scattering or materials for applications as lasers (glasses or oxides) can be published.

New manufacturing technologies covering different materials, such as 3D Printing, Selective Laser Sintering, Rapid Prototyping, Rapid Thermal Annealing, Chemical Vapor Deposition, E-Gun Technology, RF Sputtering are welcome.



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Special Issue

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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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