



Advances in Photothermal Characterization of Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Photothermal science and techniques continue to attract the attention of the scientific and engineering communities. The non-destructive nature of these techniques, together with the high accuracy of materials characterization achieved, have extended the application field of photothermal techniques to the study of complex materials and metamaterials. Optical properties, thermoelastic properties, process monitoring, non-invasive and non-destructive detection and the characterization of defects in components from micro- to macroscale, as well as biological and medical applications benefit from the advances in photothermal science and techniques.

In this Special Issue, we will emphasize and discuss advancements and modern trends in photothermal science and techniques, including advanced numerical modeling, the optimization and solution of inverse photothermal problems, non-destructive testing applications, artificial intelligence, and robotics-assisted photothermal systems. It is my pleasure to invite you to submit a manuscript for this Special Issue.





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Message from the Editor-in-Chief

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