



## Thermophysical and Mechanical Properties of Materials

Guest Editor:

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Deadline for manuscript  
submissions:

**10 July 2024**

### Message from the Guest Editor

The description of the behavior of materials and products under nonstationary thermal boundary conditions in a broader temperature interval requires knowledge of the dilatometric characteristics of the materials, the dependence of the thermal conductivity or diffusivity on the temperature, and the temperature dependencies of heat capacity. The knowledge of thermophysical properties provides an opportunity for optimization of the thermal processing of materials and the thermal strain of products. Additionally, detailed knowledge of a given material and its properties provides the opportunity to determine its specific practical applications. Many experimental methods exist in the field of the measurement of thermophysical and mechanical properties: differential thermal analysis, differential scanning calorimetry, thermogravimetry, thermodilatometry, calorimetry, steady-state methods, and transient methods.

It is my pleasure to invite you to submit a manuscript to this Special Issue of *Materials*. Full papers, short communications, and reviews are all welcome.





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## Message from the Editor-in-Chief

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