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Thermophysical Properties of Materials

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Deadline for manuscript submissions:
closed (20 March 2023)

Message from the Guest Editor

Thermophysical (heat capacity, thermal expansion, thermal conductivity, and diffusivity) properties of materials (building, ceramic, composite, plastic, metallic, or noncrystalline) are known for their practical applications. The description of the behavior of materials and products under nonstationary thermal boundary conditions in a broader temperature interval requires the knowledge of dilatometric characteristics of the materials, the dependence of the thermal conductivity or diffusivity on the temperature, and also the temperature dependencies of heat capacity. In the field of the measurement of thermophysical properties, there exist a large number of experimental methods: 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 for 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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