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## **Heat and Mass Transfer in Porous Materials (Volume II)**

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Deadline for manuscript submissions:

closed (20 May 2024)

# Message from the Guest Editor

Dear Colleagues,

In this Special Issue, we will present achievements in experimental and computational studies of combined heat and mass transfer in porous media through the use of modern physical methods and models.

Original documents are requested for all scientific advances in the study of physicochemical processes in porous media.

For instance, this includes studies of heat and mass transfer processes in:

heat pipes (micro-heat, sorption and pulsating heat pipes with longitudinal grooves, micro- and nanoscale porous coatings, long heat pipes, vapourdynamic thermosyphons, etc.); in sorption cooling or heating systems; in minichannels with porous nanocoating; in catalytic systems based on metals and metal-oxide porous materials, etc.

We also welcome studies on heat transfer enhancement in heat exchanger mini- and micro-channels, and on the practical use of heat pipes and thermosyphons.

Recent developments in the optimization of the platelet structure of materials used in various branches of technology for heat and mass transfer processes in porous spaces saturated with liquid or gas (evaporation, condensation, capillary transport, etc.) are of special interest.



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### **Editor-in-Chief**

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