



Convective Heat and Mass Transfer in Porous Media

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Deadline for manuscript
submissions:

closed (20 November 2022)

Message from the Guest Editor

Research on heat and mass transfer in porous media is characterised by a broad spectrum of potential applications, involving a number of different human activities from engineering to medicine and geophysics. In the last several decades, many innovative applications have been presented in these fields of study. Among them, metal foams and breathing walls highlight how strong the impact of this topic on our society can be.

This Special Issue is focused on the latest advances in natural and forced convective flows in fluid saturated porous media. We ask for contributions that discuss, theoretically and/or experimentally, the validity and applicability of the different momentum transfer models available in the literature. This includes Darcy's law and its extensions. Papers that involve variants of Darcy's law for which there is no formal support will not be featured in this Issue. Particular attention will be devoted to analyses of convective, absolute, and global instabilities in fluid-saturated porous media.

We cordially invite the scientific community to present papers characterised by a pedagogical approach: compact, easy to read, and with well-founded conclusions.





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Editor-in-Chief

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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