

Special Issue

Microvascular Dynamics: Insights and Applications

Message from the Guest Editors

Microvascular dynamics can be affected by a variety of factors, such as microvessel geometry, fluid rheology, cell aggregability and deformability, special proteins and drugs, local tissue, and pathological conditions such as microthrombosis, sickle cell disease, retinopathy, and nephropathy. In addition, microvascular dynamic quantities such as velocity and aggregation can be used as biomarkers in medicine to characterize a normal or abnormal biological process, disease, or pharmacological response. The scope of this Special Issue is to accept original research and reviews on the latest developments in microvascular dynamics. Articles can describe diverse insights into microvascular dynamics from in vitro and in silico measurements and modeling, new molecular mechanisms, animal models, and preclinical or clinical studies. In addition, technological advances in imaging hardware and software methods and setups are welcome.

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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