

Special Issue

Imaging and Analysis of Vascular Networks: Latest Advances and Prospects

Message from the Guest Editors

The cardiovascular system is of critical importance for the maintenance of the body. Its main general function is the delivery of oxygen, nutrients, and others molecules to tissues, with specific additional roles in some specialized organs, such as glomerular filtration in the kidneys, hormone release in blood flow in endocrine glands, etc. The vascular system, composed of arteries, capillaries, and veins, is a multiscale network whose functional capacity critically depends on its spatial organization. Impairment of the vascular network is associated with a variety of pathologies, such as heart failure, diabetes, or cognitive disorders. Imaging and spatial characterization of the 3D architecture of vascular networks is hence required to analyze their normal functional capacity and their pathological alterations. For more information on the Special Issue, please visit LINK

https://www.mdpi.com/journal/applsci/special_issues/98K6H4J4SO

Guest Editors

Dr. Etienne Roux

Dr. Marko Gosak

Prof. Dr. Marko Marhl

Deadline for manuscript submissions

closed (30 January 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/147081

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)