

## 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/98K6H4J4S0](https://www.mdpi.com/journal/applsci/special_issues/98K6H4J4S0)

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### Guest Editors

Dr. Etienne Roux  
Prof. Dr. Marko Gosak  
Prof. Dr. Marko Marhl

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### Deadline for manuscript submissions

closed (30 January 2024)



## Applied Sciences

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

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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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### Editor-in-Chief

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

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