

## Special Issue

# Nature or Synthetic Compounds for Treating Arterial Thrombosis and Ischemic Stroke

### Message from the Guest Editors

I am pleased to invite you to contribute to a Special Issue of the journal Applied Sciences on “Natural or Synthetic Compounds for Treating Arterial Thrombosis and Ischemic Stroke”, which aims to present recent developments in the fields of cardiovascular pharmacology, neuroscience, and natural biochemistry.

The implications of cerebrovascular disease are among the leading health issues worldwide. Large and small cerebral vessel disease can trigger stroke and contribute to the vascular component of other forms of neurological dysfunction. Despite the importance of neurovascular disease and subsequent injury after ischemic events, essential knowledge in these areas lags behind our current understanding of neuroprotection and vascular biology in general.

This Special Issue aims to motivate contributions of original as well as review articles that will provoke enduring actions to understand the pathology underlying cerebral-neurovascular diseases and the growth of strategies to prevent and treat these conditions.

---

### Guest Editors

Prof. Dr. Joen-Rong Sheu  
Assoc. Prof. Dr. Cheng-ying Hsieh  
Dr. Thanasekaran Jayakumar

---

### Deadline for manuscript submissions

closed (30 April 2021)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/36950](https://mdpi.com/si/36950)

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

[mdpi.com/journal/applsci](https://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, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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