

## Special Issue

# Stents and Interventional Devices: Bioengineering and Biomedical Applications

### Message from the Guest Editor

This Special Issue on “Stents and Interventional Devices: Bioengineering and Biomedical Applications” is designed for scientific findings in the development of a variety of interventional devices, including multifunctional and creative stents and catheters based on clinical unmet needs. Various stents have rapidly evolved from rigid plastic tubes to flexible metallic or biodegradable stents. Stents have been used for the treatment of luminal obstructions including vascular and non-vascular, including the digestive, respiratory, and urinary system by minimally-invasive procedures using medical imaging guidance. Multifunctional stents have been investigated for reduction of stent-related complications and/or localized therapy using anticancer drugs, application of various nanoparticles, and stent surface modifications. In this Special Issue, we encourage the submissions of original research and comprehensive reviews focused on stents and interventional devices-related research.

### Guest Editor

Dr. Jung-Hoon Park

Biomedical Engineering Research Center, Asan Institute for Life Sciences, Asan Medical Center, 88 Olympic-ro 43-gil, Songpa-gu, Seoul 05505, Korea

### Deadline for manuscript submissions

closed (25 July 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/66850](https://mdpi.com/si/66850)

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

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

[appls](https://appls.mdpi.com)





# 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 )