

Special Issue

Devices for Vascular Intervention

Message from the Guest Editors

Vascular interventions have revolutionized the field of medicine, enabling minimally invasive procedures for the treatment of various cardiovascular conditions. The development of advanced devices plays a pivotal role in improving patient outcomes, enhancing precision, and minimizing procedure-related risks. This Special Issue aims to shed light on the cutting-edge research and technological advances in the design, development, and application of devices for vascular intervention. The scope of this Special Issue encompasses a wide range of topics, including but not limited to novel device designs and engineering concepts, catheter-based intervention technologies, guidewires and microcatheters, balloon angioplasty and stent deployment systems, vascular closure devices, embolic protection devices, intravascular imaging and diagnostic tools, robotics and remote navigation systems, biomaterials, and biocompatible coatings, as well as emerging technologies for minimally invasive procedures.

Guest Editors

Dr. Yang Liu

Global Institute of Future Technology, Shanghai Jiao Tong University, Shanghai 200240, China

Dr. Yihao Zheng

Worcester Polytechnic Institute, Worcester, MA, USA

Deadline for manuscript submissions

closed (31 January 2025)



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/195108

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

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





Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Biomedical) Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.