

Special Issue

Novel Diagnostic, Mechanistic and Treatment Approaches for Effective Management of Neuronal Injuries

Message from the Guest Editor

Injuries to the nervous system often result in debilitating functional impairment and reduced quality of life which are all associated with huge socio-economic impact. Currently existing diagnostic and therapeutic options are sub-optimal. Thus, there is great need for new and innovative strategies for effective management of differential pathologies resulting from various forms of neuronal injuries. The current special issue invites research articles for the following topics.

- Engineered biomaterials, bioengineered cells and tissues
- Nanomedicine and targeted drug delivery
- Multiomics covering the proteomic, genomic and transcriptomics of tissues with changing functions and anatomy.
- Bioelectronics as a potential therapeutic intervention
- Cellular and molecular neurobiology
- Pre-clinical, clinical and surgical approaches for regeneration of peripheral and central nervous system

Guest Editor

Dr. Srinivas Madduri

Bioengineering and Regenerative Medicine, Department of Biomedical Engineering, University of Basel/University Hospital, Basel, Switzerland

Deadline for manuscript submissions

closed (31 March 2024)



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/116348

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.