

## Special Issue

# Diagnostic Tools and Therapeutic Strategies for Hip Diseases

### Message from the Guest Editors

Hip diseases include a wide range of miscellaneous disorders implying degenerative, inflammatory, and traumatic pathogenesis. Arthritis of the hip represents the most common and treated pathology, with total Hip arthroplasty (THA) as the index procedure for the last 50 years for treated Hip diseases. Nevertheless, new advances in diagnostic imaging tools allow us to explore the hip and whole pelvis with more precision and accuracy to achieve the goal of long-lasting prosthetic implants and a reduced risk of failure and complications. In this Special Issue, titled “Diagnostic Tools and Therapeutic Strategies for Hip Diseases”, we aim to solicit manuscripts that highlight the recent developments and advances in diagnostic imaging for primary and revision reconstructive surgery, 3D modeling and printing applications for total hip arthroplasty, and finite element analysis simulation of THA failure patterns. The future treatment of hip and pelvis degenerative disease relies on regenerative medicine and bone tissue engineering, and therefore, original research and new perspectives about 3D bioprinting technologies are welcome in this collection.

### Guest Editors

Prof. Dr. Antonio Capone

Department of Surgical Science, Università degli Studi di Cagliari,  
Cagliari, Italy

Dr. Giuseppe Marongiu

Department of Surgical Science, Università degli Studi di Cagliari,  
Cagliari, Italy

### Deadline for manuscript submissions

28 February 2026



**Bioengineering**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.7**  
**CiteScore 5.3**  
**Indexed in PubMed**



[mdpi.com/si/202207](https://mdpi.com/si/202207)

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