

Special Issue

New Trends in Arthroplasty

Message from the Guest Editor

In recent decades, the volume of primary total hip and knee arthroplasty procedures has risen at almost exponential rates. Due to the great, potentially long-lasting success probabilities of these procedures, the proven technology was successfully transferred to other major joints, especially the shoulder and the ankle. Consequently, total joint arthroplasty (TJA) is currently one of the most commonly performed elective surgical procedures worldwide. Close collaborations between surgeons and the industry have resulted in many new ideas and solutions for increased performance, durability, and sustainability of the implants. New surgical approaches, pain management, and rehabilitation techniques have been developed to perform these complex surgeries on an outpatient basis. However, the safety of patients in this ever-changing process of TJA should never be neglected. With this perspective in focus, the aim of this Special Issue on osteology is to predict the future of arthroplasty.

- arthroplasty
- joints
- hip
- knee
- shoulder
- ankle
- total hip arthroplasty
- total knee arthroplasty
- patient safety
- robotic surgery
- navigation

Guest Editor

Prof. Dr. Samo Karel Fokter

Department of Orthopaedics, University Medical Centre Maribor,
Ljubljanska ulica 5, 2000 Maribor, Slovenia

Deadline for manuscript submissions

30 September 2025



Osteology

an Open Access Journal
by MDPI



mdpi.com/si/106207

Osteology

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

osteology@mdpi.com

mdpi.com/journal/

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





Osteology

an Open Access Journal
by MDPI



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Umile Giuseppe Longo

Department of Orthopaedic and Trauma Surgery, Università Campus
Bio-Medico di Roma, Via Alvaro del Portillo, 00128 Rome, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.3 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers

: APC discount vouchers, optional signed peer review, and reviewer names published annually in the journal.