

Special Issue

Orthopaedics and Joint Reconstruction: Latest Advances and Prospects

Message from the Guest Editor

The fields of orthopedic surgery and joint reconstruction have seen remarkable progress in recent years, with groundbreaking advancements in materials, surgical techniques, and postoperative rehabilitation protocols. As the prevalence of musculoskeletal diseases, including osteoarthritis and traumatic joint injuries, continues to rise globally, there is a growing need for innovative approaches to improving patient outcomes. This Special Issue of *Applied Sciences* will focus on the latest developments in orthopedics and joint reconstruction, highlighting both the current state of the field and emerging trends, while addressing key challenges and ongoing debates. **Scope and Focus Areas** The aim of this Special Issue is to provide a comprehensive overview of the most pressing issues in orthopedic care, including the following areas:

- Epidemiology of orthopedic and joint diseases.
- Innovative materials for joint reconstruction.
- Surgical techniques and timing.
- Personalized approaches in joint reconstruction: the integration of personalized medicine and precision surgery.
- Rehabilitation and postoperative care.
- Complications and long-term outcomes.

Guest Editor

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Deadline for manuscript submissions

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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

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