Special Issue

Radiology and Biomedical Imaging in Musculoskeletal Research

Message from the Guest Editors

Radiology and biomedical imaging play a critical role in advancing our understanding of musculoskeletal research. Musculoskeletal disorders, injuries, and diseases are among the most prevalent causes of disability worldwide. Accurate diagnosis, effective treatment, and comprehensive rehabilitation rely heavily on imaging technologies such as MRI, CT, and ultrasound, which allow for detailed visualization of musculoskeletal structures and pathology. This Special Issue aims to explore cutting-edge advancements in the use of imaging modalities for enhancing musculoskeletal diagnosis, treatment planning, and rehabilitation. We invite submissions that cover a wide range of topics, including but not limited to the following:

- Advanced imaging techniques in the diagnosis of musculoskeletal injuries and diseases;
- The role of imaging in monitoring treatment efficacy and recovery outcomes;
- Innovations in interventional radiology for musculoskeletal disorders;
- Artificial intelligence and machine learning applications in musculoskeletal imaging;
- Biomechanical imaging and its contribution to understanding musculoskeletal function...

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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.

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