

## Special Issue

# Advances in Knee Biomechanics

### Message from the Guest Editor

Knee biomechanical studies have produced insight into how the joint functions, activities that lead to injury, treatment options, rehabilitation strategies, etc., but these studies have likely only revealed a small fraction of the knowledge to be gained. We need more in-depth and comprehensive knee biomechanical studies to understand which characteristics are critical to restore during repair and track during recovery to have a significant, positive clinical impact. We have seen significant advancements in computational and experimental capabilities that have expanded the field of knee biomechanics. The advanced techniques are necessary for the translation of benchtop research and the creation and evaluation of novel treatments to significantly advance human health. The aim of this Special Issue is to examine the state-of-the-art techniques used for the study of knee biomechanics. We look forward to submissions across the spectrum from in vitro and in vivo, to computational studies, as well as studies that utilize animal and human models.

### Guest Editor

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### Deadline for manuscript submissions

30 September 2025



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