

## Special Issue

# Unveiling the Multifaceted Potential of Mesenchymal Stem/Stromal Cells and Their Extracellular Vesicles

### Message from the Guest Editor

Mesenchymal stem/stromal cells (MSCs) and their extracellular vesicles (EVs) represent one of the most dynamic fields in regenerative medicine and advanced therapies. While MSCs and EVs are recognized for their roles in immunomodulation and tissue repair, recent advances highlight their potential as scalable, cell-free products with broad therapeutic applicability. For this Special Issue, *“Unveiling the Multifaceted Potential of Mesenchymal Stem/Stromal Cells and Their Extracellular Vesicles”*, we welcome contributions that explore molecular mechanisms, signaling pathways, and bioactive cargo, as well as studies in preclinical models and early-phase clinical trials. We also encourage submissions addressing critical aspects of translational development, including GMP-compliant manufacturing, quality control, and strategies for scale-up. By integrating molecular insights with preclinical and clinical evidence, this Special Issue will advance our understanding and accelerate the safe and effective use of MSCs and EVs in human health.

### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2026)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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