

Special Issue

Diabetic Bone Disease: New Insights into Molecular Mechanisms and Therapeutic Approaches

Message from the Guest Editor

Diabetic Bone Disease (DBD) is an emerging complication in Diabetes Mellitus (DM), characterized by alterations in bone metabolism and increased fracture risk. The pathophysiology of DBD involves a complex interplay between hyperglycaemia, insulin deficiency or resistance, and advanced glycation end-products (AGEs) that impair bone quality and remodelling. Therapeutic management of DBD requires a multifaceted approach, which is often challenging, including stringent glycaemic control, lifestyle modifications, and pharmacological interventions. Multidisciplinary care involving endocrinologists, orthopaedic specialists, and dietitians is essential for optimal management. As research advances, a deeper understanding of DBD's molecular mechanisms will likely yield new therapeutic targets, improving patient outcomes and quality of life. This Special Issue aims to focus on new insights, novel developments and discoveries, current challenges, and future perspectives in the field of Diabetic Bone Disease to and provide a comprehensive update.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2026)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/209441

*International Journal of
Molecular Sciences*
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