

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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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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