

Special Issue

Osteoarthritis and Associated Pain: Molecular Research and Novel Therapeutic Approaches, 2nd Edition

Message from the Guest Editor

Osteoarthritis (OA), the most common form of arthritis, is a leading cause of debilitating pain and disability, affecting more than 32 million people in the US. The prevalence and incidence of OA have been continuously increasing due to increases in lifespan and obesity. This Special Issue aims to present evidence of the potential targets, therapeutic drugs, and nanoformulations, and their mechanisms in treating osteoarthritis and associated pain. We welcome original research and review papers focused on the mechanisms and therapeutic potential of phytochemicals, peptides, and synthetic nanoparticle-based formulations that are engaged in improving osteoarthritic pain in preclinical and clinical studies. Furthermore, we encourage studies using in vivo and in vitro models to explore the mechanisms of action and interactions of nanoformulations with the molecular mediators of oxidative/nitrosative stress caused by osteoarthritic pain conditions.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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