

Special Issue

Myelodysplastic Syndromes: Advances and Challenges in Pathophysiology and Therapeutic Approaches

Message from the Guest Editor

Myelodysplastic syndromes (MDS) are a group of heterogeneous myeloid clonal diseases originating from hematopoietic stem cells, characterized by abnormal differentiation and development of myeloid cells, manifested as ineffective hematopoiesis, refractory cytopenia, hematopoietic failure, and a high risk of transformation to acute myeloid leukemia (AML). Since the etiology and pathogenesis have not been fully elucidated, there is no unified, specific treatment plan for MDS. Chemotherapy, immunotherapy, thalidomide and its analogues, and hematopoietic stem cell transplantation are the most researched treatments for MDS. In this Special Issue, we highlight recent advances in our understanding of the pathophysiology of MDS and new therapeutic approaches, and we welcome submissions of original research papers and review papers.

Guest Editor

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Deadline for manuscript submissions

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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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