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Advances in Regenerative Medicine and Tissue Engineering

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Message from the Guest Editors

Tissues and organs of the body have both structure and function, therefore in tissue engineering any proposed approach must be able to mimic the morphology and characteristics of the original tissue or be able to stimulate the regeneration of the original tissue. In regenerative medicine, it is important to consider many aspects such as the material used, the structure of the scaffold, the growth factors, and the cell populations, in particular stem cells.

This Special Issue on bone and tissue regeneration aims to highlight the new approach of treatment based on the comprehension of the physiology and the interplay between different cell types. Topics include but are not limited to the following:

- Use of MSCs in regenerative medicine;
- Control of angiogenesis in tissue regeneration;
- New approaches of MSC isolation from different sources;
- Bioactive bone substitution.



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Special Issue



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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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