



## Optimization of Biomaterials for Reconstructive and Regenerative Medicine

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### Message from the Guest Editors

The reconstruction and regeneration of body tissues is of great clinical interest and relevance. Currently, many biomaterials have been introduced into the market used for reconstructive or regenerative purposes.

Continuing research has made materials more biocompatible, resorbable and less prone to foreign body reactions. The current aim of research on biomaterials is to promote and support a complete regeneration of the target tissue. In vitro, in vivo and clinical studies are absolutely mandatory to evaluate cellular and molecular interactions with biomaterials as well as their behavior in living organisms.

In this special issue, we would like to outline current developments and optimizations regarding biomaterials used for reconstructive and regenerative purposes. Thus, contributions (reviews and/or original papers) on new biomaterials, optimizations, surface modifications, innovative manufacturing or application methods and the behavior of these materials in vitro, in vivo or clinically are welcome.





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## Message from the Editor-in-Chief

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