



Cartilage Repair and Regeneration: Focus on Multi-Disciplinary Strategies

Guest Editors:

Dr. Marta Anna Szychlinska

Department of Biomedical and
Biotechnological Sciences,
School of Medicine, Anatomy,
Histology and Movement
Sciences Section, University of
Catania, Via Santa Sofia 87, 95123
Catania, Italy

Prof. Dr. Giuseppe Musumeci

Department of Biomedical and
Biotechnological Sciences,
Anatomy, Histology and
Movement Sciences Section,
School of Medicine, University of
Catania, 95123 Catania, Italy

Deadline for manuscript
submissions:
closed (20 October 2021)

Message from the Guest Editors

Dear Colleagues,

As widely demonstrated and known, adult articular cartilage exhibits a very poor self-healing capacity once injured. Progression suggest that a multidisciplinary approach will likely be optimal to address the challenge of preserving the articular cartilage in early stages and/or developing a functional cartilage replacements in advanced degenerative stages.

In the context of developing cartilage repair and regeneration strategies, this Special Issue's Editor invites original contributions, review articles, communications, and concept papers that address these challenges. The suggested focus and the goal of a multidisciplinary strategy is to realize a clinically relevant tool for cartilage repair or regeneration that is more likely to be successful, obtained by controlling both the formation of a new suitable tissue replacements and the damaged joint tissues environment on the local and systemic level.

Dr. Marta Anna Szychlinska
Prof. Giuseppe Musumeci
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)