



Active Materials for Medical Applications

Guest Editors:

Prof. Dr. Nicanor Cimpoesu

Faculty of Materials Science and Engineering, "Gheorghe Asachi" Technical University of Iasi, 700050 Iasi, Romania

Dr. Ramona Cimpoesu

Department of Materials Science, "Gheorghe Asachi" Technical University of Iasi, 700050 Iasi, Romania

Deadline for manuscript submissions:

closed (15 August 2021)

Message from the Guest Editors

Dear Colleagues,

For the attention of engineers, physicists, medical doctors, researchers, and scientists, we intend to analyze and discuss different topics on active materials for medical applications. There is a great potential in the use of active or smart materials (metallic, polymer or ceramic) for the progress of applications in the medical domain of MEMS, actuators, sensors or functional systems. Active or "smart" materials have the ability to respond to different physical or chemical stimuli in a specific, repeatable mode. The actual activity in the domain, however, presents problems connected to obtaining and processing, characterization, modeling, and simulation or prototyping technologies.

This Special Issue of Applied Sciences intends to focus on the most recent advances in obtaining active materials used in the medical field with enhanced performance.





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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (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](#)