

Special Issue

Advanced Smart Biomaterials and Techniques for Oral, Hard Tissue Engineering and Regeneration

Message from the Guest Editors

The aim of this Special Issue is to update and summarize the available evidence of the beneficial effects of computer-assisted design and manufacturing as well as biomaterials on oral hard tissue engineering and regeneration in maxillofacial defects and atrophies.

We especially welcome interventional studies aiming to improve our knowledge of the effectiveness of computer-assisted design and manufacturing, the application of patient-specific solutions, and new biomaterials in oral and maxillofacial hard tissue reconstruction. Review studies including those that use conceptual frameworks for any of the aforementioned topics will also be welcomed.

Guest Editors

Prof. Dr. Klaus Wilhelm Grätz

Clinic of Cranio-Maxillofacial and Oral Surgery, University of Zurich, University Hospital Zurich, Plattenstr. 11, CH-8032 Zurich, Switzerland

Dr. Thomas H. Gander

Department of Oral and Maxillofacial Surgery, University Hospital of Zurich, Frauenklinikstrasse 24, CH-8091 Zurich, Switzerland

Deadline for manuscript submissions

closed (10 March 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/94756

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)





Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)



About the Journal

Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Condensed Matter Physics)