



Nanotechnology for Early Diagnosis and Improving Oral Health

Guest Editors:

Prof. Dr. Corina Marilena Cristache

Department of Dental Techniques, “Carol Davila” University of Medicine and Pharmacy, 8, Eroilor Sanitari Blvd, 050474 Bucharest, Romania

Dr. Liliana Burlibasa

Genetics Department, University of Bucharest, 1 Intr. Portocalilor, 060101 Bucharest, Romania

Prof. Dr. Eugenia Eftimie Totu

University Politehnica of Bucharest, Faculty of Applied Chemistry and Material Science, 1-5 Polizu Str., 11061 Bucharest, Romania

Deadline for manuscript submissions:

closed (30 November 2021)

Message from the Guest Editors

Nanotechnology, referring to the development or application of particles with dimensions in the nanometer range, revolutionized the biomedical and dental field by improving mechanical and physical properties of materials, introducing new diagnostic modalities and targeted drug nano-delivery systems, as well as preventing diseases, and, therefore, improving oral health.

This Special Issue is focused on the use of nanotechnology and nanostructured materials in all fields of dentistry. Topics include, but are not limited to the following: Nanostructured dental materials with improved properties used in prosthodontics, restorative dentistry, and endodontics; Nanostructured materials in preventive dentistry; Application of nanotechnologies and nanomaterials in diagnosis; Improved nanostructures of dental implants surface for fast osseointegration and prevention of bone loss and preimplant disease; Nanostructured materials for topical treatment in periodontal disease; Nanostructured materials for regenerative dentistry; Nanomaterials safety: cytotoxicity, genotoxicity, and health hazards; Green nanotechnology and environmental sustainability.





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](#)