Special Issue

Elements Content and Release from Tissues and Biomaterials In Vivo and In Vitro

Message from the Guest Editors

Knowledge about the release of elements from tissues and biomaterials is very significant in dentistry. The process of release offers many clinically valuable effects. The aim is to measure the uptake and release of elements from chosen biomaterials as well as tissues and their effect on human health. In the special issue, attention will be paid to the release of elements from dental biomaterials as well as their content in the structures and tissues of stomatognathic system. Topics to be covered include:

- Elements released from dental materials
- Influence of released elements on patients oral health
- Antimicrobial effect of released elements
- Long-time fluoride release from dental materials
- Uptake of elements by oral tissues and dental restorative materials
- Assessment of the content of trace elements in different structures and tissues of stomatognathic system
- Elements releasing from dental materials after laser application
- The impact of food, drink and mouth rinses on dental restorations, implants and orthodontic appliances
- The use of biological non-invasive matrices as a measure of the release of elements from dental materials.

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Deadline for manuscript submissions

closed (20 August 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/69913

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Message from the Editor-in-Chief

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.

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