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## **Advances in Biomaterials for Endodontics and Their Biocompatibility**

Guest Editor:

# Prof. Dr. João Miguel Marques dos Santos

Institute of Endodontics, Faculty of Medicine, University of Coimbra, 3000-075 Coimbra, Portugal

Deadline for manuscript submissions:

closed (20 April 2023)

## **Message from the Guest Editor**

Dear Colleagues,

The evolution from the idea of biocompatibility toward an emphasis in bioactivity has been buttressed by the introduction of hydraulic calcium silicate cements (HCSC) that effectively seal pulp and periapical wounds, enhancing tissue healing. Since then, new generations of HCSCs have been introduced in the clinical practice, sealers inspired in their composition have been developed.

Contemporary concepts of minimally invasive dentistry and regenerative endodontic procedures are pushing the boundaries of the materials science to improve properties and interaction between biomaterials and stem cells, functionalization of biomaterials and development of scaffolds to support repair and regeneration of soft and hard tissues.

Progress in pulp and periapical biology knowledge and advances in endodontic materials are demanding the assessment of an increased amount of novel biomaterials with multiple methodologies to allow a proper insight into their potential clinical use.

This Special Issue welcomes original scientific research and reviews on those topics.

Prof. Dr. João Miguel Marques dos Santos Guest Editor











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#### 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

## **Message from the Editor-in-Chief**

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