

## Special Issue

# Current and Future Development Trends of Materials and Advanced Technologies Used in Endodontics

### Message from the Guest Editors

The advancement of endodontics has been closely associated with the development of materials and technologies designed to improve canal shaping, disinfection, sealing, repair and biological healing. Over recent years, innovations in endodontic files and instrumentation systems, sealers, repair cements, irrigation protocols, intracanal medicaments and device-assisted treatment strategies have substantially influenced both treatment procedures and clinical outcomes. This Special Issue aims to provide a focused platform for high-quality contributions addressing current concepts and future trends in endodontic materials, instrumentation and advanced technologies. Topics of interest include, but are not limited to, endodontic files and instrumentation systems, sealers and repair cements, irrigation solutions, activation strategies and associated devices, laser applications, multisonic and ultrasonic irrigation systems, intracanal medicaments, materials for vital pulp therapy and biomaterials relevant to regenerative endodontic procedures. Original research, systematic reviews, scoping reviews, narrative reviews and translational studies are welcome.

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### Guest Editors

Dr. Lucas Peixoto de Araújo

Dr. Ana Cristina Padilha Janini

Dr. Juliana Silva Ribeiro de Andrade

Dr. Mateus de Azevedo Kinalski

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### Deadline for manuscript submissions

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## Journal of Functional Biomaterials

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### Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

School of Engineering and Materials Science, Queen Mary University of London, London, UK

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