Special Issue

Advanced Dental Materials: Biological, Physical, and Chemical Properties

Message from the Guest Editor

Recent innovations in dental materials and technologies have significantly enhanced the precision, efficiency, and biological integration of restorative and endodontic treatments. This Special Issue aims to gather cutting-edge contributions in the field of contemporary conservative and endodontic dentistry, with a focus on biomaterials, clinical protocols, and digital tools that improve long-term outcomes and provide patient-centered care. We welcome the submission of original research articles, clinical studies, and review papers on a wide range of topics, including but not limited to the following:

- Advanced restorative and endodontic materials;
- Bioactive, bioceramic, and hydraulic-based cement;
- Adhesive systems and pulp vitality preservation techniques;
- Digital workflows and augmented reality in clinical dentistry;
- Micro-CT and SEM-based material analysis:
- Simplified clinical protocols for daily dental practice;
- Regenerative strategies and pulp tissue engineering.

This collection will promote interdisciplinary collaboration and highlight translational research that bridges the gap between material science and daily clinical application.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

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