# Special Issue

# Cutting-Edge Technologies in Orthodontics

### Message from the Guest Editors

The evolution of orthodontics and dentistry is being profoundly shaped by the rapid advancements in digital technology and the shifting expectations of patients. Furthermore, innovative composite and ceramic materials with enhanced mechanical characteristics allow for the application of ultra-thin layers, optimizing both esthetic and functional outcomes. Recent breakthroughs in nanotechnology and 3D printing have rapidly gained traction, prompting manufacturers to continuously develop novel materials and techniques aimed at delivering high-quality dental care with a focus on long-term results. The impact of these innovations extends across various dental disciplines, including restorative prosthodontics, oral surgery, implantology, periodontology, and orthodontics. This Special Issue highlights the latest technological advancements that enhance the mechanical properties of materials used in different branches of orthodontics and dentistry. We encourage the submission of original research articles and systematic reviews related to the aforementioned topics. Thank you in advance for your valuable contributions.

### Guest Editors

Dr. Alberto De Stefani
Dr. Giovanni Bruno
Dr. Antonio Gracco

### Deadline for manuscript submissions

closed (31 December 2025)

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## 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

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