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New Prosthetic Materials and Biomaterials for Biomedical Applications

Guest Editors:

Dr. Paolo Francesco Manicone

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Dr. Edoardo Rella

Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Over the years, a variety of new digital technologies, restorative materials and biomaterials have been developed and have significantly changed the clinical approach to dentistry. Innovative biomaterials have been developed in order to take advantage of both the biology of the patients and the new manufacturing processes. Furthermore, a similar development has been recorded in the prosthetic field thanks to digital manufacturing. Prosthetic materials manufactured with digital technologies (scanners, milling machines, and 3D printers, as well as CAD and CAM software programs) have increased the therapeutic options for clinicians, improving the results from a functional and esthetic point of view. The aim of this Special Issue is to provide information with updated findings about the latest developments in the field of biomaterials and restorative materials applied to these digital technologies.

Keywords:

- composite interfaces; biopolymers
- biocomposites; additive manufacturing
- Prosthetic Materials; digital dentistry
- lithium disilicate; zirconia
- glass fiber-reinforced composites
- carbon; damage and failure modes

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Message from the Editor-in-Chief

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