

## Special Issue

# Nanoscale Characterization of Bioceramics

### Message from the Guest Editor

These crystals take a part in the biological (chemical, mechanical...) functions of our different tissues. In the case of diseases (osteoporosis, carious dissolution) or trauma our tissues are destroyed and need to be replaced. The design of replacement materials with long term properties identical to the tissues replaced is an immense challenge and can only met by the understanding of the nanoscale process of the pathological destruction processes of osteoporosis and carious dissolution and the optimization of the design of novel replacement biomaterials and nanoparticles with specific response of the host tissues. In order to perform these tasks, sophisticated nanoscale characterization techniques treating of the aspects above are required.

### Guest Editor

Prof. Étienne Brès

Unité Matériaux et Transformations, Villeneuve-d'Ascq, France

### Deadline for manuscript submissions

closed (20 November 2021)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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