



Bioceramics and Their Applications

Guest Editor:

Prof. Dr. Piedad N. De Aza

Instituto de Bioingeniería,
Universidad Miguel Hernandez,
03202 Elche Alicante, Spain

Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editor

Dear Colleagues,

Bioceramics are engineered materials that find their applications in the field of medicine. Traditionally, brittleness, low mechanical fracture toughness and low resistance to impact have limited the applications of the ceramic materials. Nevertheless, a strong interest in the use of ceramics for biomedical engineering applications has been developed from the end of the 20th century. New ceramics, with very improved properties, contributed to increasing the possibilities of using ceramics in biomedicine and their use has extended considerably since then. There is a trend today to more broadly use them as scaffolds for tissue engineering or drug release, as dental implants, or to also use them as particles and microspheres for advanced therapy, which creates unexpected scenarios for patient treatment and rehabilitation. This field is rapidly advancing into new areas of discovery.

It is, therefore, my immense pleasure to invite you to submit a manuscript for this Special Issue. All aspects of design, processing, characterization, and applications of bioceramics, but not limited to them, will be welcome.

Prof. Piedad N. De Aza

Gues





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)