

Special Issue

Ceramics Containing Active Molecules for Biomedical Applications

Message from the Guest Editors

Ceramic materials are known for their high chemical and structural stability, rapid response to environmental changes, for functioning in a wide range of temperatures and environmental conditions, and for their usage in diverse domains of science and technology. Another intrinsic characteristic, currently a focus of research, is the possibility of obtaining ceramic nanoparticles and/or nanostructures interacting with active molecules for the development of solutions of global interest, such as in the environmental and health sciences. In this context, the use of ceramic-based structures for incorporating and delivering functional molecules is at present an open domain of research, with great potential to revolutionize the biomedical field. Active molecules, such as metal nanoparticles, carbon materials, proteins, and synthetic and natural drugs, among others, have been studied in interaction with ceramic materials with the aim of generating new nanotechnology-based products, with more efficient action and with less potential to cause side and/or adverse effects to users.

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Ceramics (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

Editor-in-Chief

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