# Special Issue

# Clinical Research in Biocompatibility and Bioactivity of Advanced Materials

### Message from the Guest Editor

By definition, a biomaterial is 'a material designed to take a form that can direct, through interaction with living systems, the course of any therapeutic or diagnostic procedure. This may appear to be a rather general definition, but it contains a number of subtle complexities. These largely relate to the details of interactions with living systems, which primarily encompass phenomena of biocompatibility and bioactivity. In addition, it is clear that the concept of a biomaterial necessarily entails clinical procedures, specifically therapeutic or diagnostic procedures. The real significance of these factors is that we cannot consider biomaterials as simple structures that are placed passively in the body where they are treated as foreign bodies, with variable and predictable consequences. Biomaterials, in current clinical applications, have to be functional and have to have controlled interactivity with the tissues and organs with which they are in contact.

### Guest Editor

Prof. Dr. David F. Williams

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### Deadline for manuscript submissions

closed (31 March 2021)

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## About the Journal

### Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

### Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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