Special Issue

Multifunctional Composite Materials

Message from the Guest Editor

Composite materials have been studied for several decades already. Particularly in the last decade, the use of structural composites materials has literally been booming in the aeronautics and automotive industry. This is marking a notable change in design mentality, i.e., the tailoring or “architecturing” of material in accordance with structural needs, a possibility uniquely offered by advanced composites. It is this mentality that gave birth to the next generation of composites, that of multifunctional composite materials. These materials made “by design” possess the required improved specific properties but are also equipped with additional properties which impart to them other functionalities, which may be structural or nonstructural. This is an outline of the issues that form the scope of this Special Issue. Research papers are invited in relation to multifunctional advanced composite materials, smart materials, sensing and self-diagnosis, and in any other field where the materials by design perform in diverse ways so as to respond successfully to their service conditions. Prof. Dr. Alkiviadis S. Paipetis

Guest Editor

Prof. Dr. Alkiviadis Paipetis

Department of Materials Science and Engineering, University of Ioannina, 45110 Ioannina, Greece

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

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

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