

Special Issue

Advances in Aerospace Materials and Technologies

Message from the Guest Editor

In recent years, materials and technologies have made great progress in increasing the reliability and efficiency of aerospace structures; however, further advances are becoming essential for greener aviation and safer space missions. Materials for aerospace applications raise several challenges related to low mass requirements and the demand for very high performance. In addition, future aerospace structures will require use of multifunctional and recyclable materials. Moreover, technologies will play a fundamental role, and additive manufacturing is probably the most promising manufacturing technique for efficient aerospace structures since it can manage materials which, otherwise, cannot be conveniently adopted by conventional technologies for producing light, thin-walled and complex structures. The aim of this Special Issue is to report recent advances related to all areas of materials and technologies in the aerospace sector. Full papers, communications, and reviews are all welcome.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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