Special Issue

Dynamic and Elastic Properties in Numerical Modelling of Composite Materials Structures

Message from the Guest Editor

New developments in the field of composite materials and structures are provided by the worldwide scientific community. Simultaneously, the tools for the analysis and design of the new concepts of composites will be improved. This Special Issue “Dynamic and Elastic Properties in Numerical Modelling of Composite Materials Structures” aims to publish papers which significantly contribute to the knowledge of numerical modelling of composite material, in terms of their stiffness and dynamic properties as well as damage and fracture behaviour. In addition, experimental research papers relevant to elastic and dynamic property characterisation are of great interest. The main group of composite structures are, but are not limited to, laminated composites, sandwich structures, woven fabrics, and composite concrete structures. Individual components, such as beams, plates, or shells, as well as their assemblies, are respected by the current issue. Research papers and review articles are equally welcome. The submitted manuscripts will be subjected to a peer review process to ensure a high scientific quality of the published research.

Guest Editor

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Deadline for manuscript submissions

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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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