

Special Issue

Numerical Analysis of Sandwich and Laminated Composites

Message from the Guest Editors

Sandwich and laminated composite materials have wide applications in engineering fields such as aerospace, automotive, construction, navigation, and more. The performance of sandwich and laminated composite materials is influenced by various factors, including material selection, layering method, thickness, modulus, etc. These factors make it very complex to establish precise physical and mathematical models. In addition, the sandwich structure also involves the interaction between the surface plate and the sandwich, as well as possible damage and aging effects. In recent years, machine learning and artificial intelligence technologies have also been applied in the modeling and analysis of composite materials. These advanced modeling and analysis methods provide powerful tools for the study of sandwich and laminated composite materials, helping to improve material design efficiency and performance, and promoting the widespread application of composite materials in the engineering field. This Special Issue aims to gather ongoing research on numerical analysis of sandwich and laminated composite materials.

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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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