

Special Issue

Additive and Subtractive Manufacturing of Composites

Message from the Guest Editors

Composite materials can leverage the advantages of various materials and overcome the defects of a single material; thus, they are widely used in aerospace, automobile manufacturing, electrical and electronic, biomedical, construction, etc. Simultaneously, the rapid development of composite materials renders it difficult for traditional single manufacturing methods to fulfill the demand of high-precision, rapid, and efficient manufacturing. Additive and subtractive manufacturing technologies provide numerous advantages in composite manufacturing, including high flexibility, high precision, high efficiency, low cost, and customizability. Additive manufacturing facilitates rapid near-net forming of complex-shaped composite parts. As a complement, subtractive manufacturing can further remove excess material and achieve high-precision forming of parts. However, various challenges need to be faced in the process of additive and subtractive manufacturing of composites, such as composite design, manufacturing process, part design, forming mechanism, and part quality, which still need to be continuously explored by colleagues.

Guest Editors

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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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