

Special Issue

Dynamic Behaviour and Crashworthiness of Composite Materials

Message from the Guest Editors

DyCOMP 2024 is uniquely aligned with the third edition of the European Conference on Crashworthiness of Composite Structures (ECCCS3), creating a synergistic environment in which to address critical challenges related to crashworthiness and dynamic performance. ECCCS, established under the ICONIC project, has garnered international recognition for fostering advancements in composite transportation systems. We welcome contributions that explore innovative experimental methods, numerical modeling techniques, material characterization, and design strategies for composites in dynamic applications. Selected papers from DyCOMP and ECCCS3 will highlight groundbreaking research in crashworthiness, impact resistance, vibration response, fatigue behavior, and the structural optimization of composite systems. This Special Issue aims to provide a comprehensive overview of innovations in dynamic composites, fostering collaboration among researchers and practitioners in order to drive future innovation in this evolving field.

Guest Editors

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Deadline for manuscript submissions

20 August 2025



Materials

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CiteScore 5.8
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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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