# Special Issue

# Fatigue Damage, Fracture Mechanics of Structures and Materials

### Message from the Guest Editors

Fatigue and fracture are the main forms of structural failure in service. According to relevant data, the annual losses caused by fatigue and fracture are equivalent to about 4% of the total national economic output value. Therefore, countries around the world attach great importance to the study of fatigue and fracture mechanisms and their preventive measures. The research and application of fatigue and fracture involve important industries and key fields such as aerospace, transportation, building materials, metallurgy and minerals, petrochemicals, and transportation. The science and technology of fatigue and fracture in various materials and structures have undergone intense development over the last several decades; nevertheless, this field is still in a phase of progression.

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### Deadline for manuscript submissions

20 January 2026

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/220416

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