



Editorial of the 1st Issue of the Journal on Mechanics of Solids

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This is the first issue of the Journal on Mechanics of Solids (JMS). The journal is published by the University of Porto. JMS is an international, peer-reviewed, open access journal dedicated to publishing high-quality, cutting-edge research and review articles in various areas of solid mechanics that contribute to our understanding of the mechanics of solids and structures.

JMS covers analytical, theoretical, experimental, and numerical studies that advance the practice of solid mechanics. The journal is expected to receive contributions from various areas of solid mechanics, including (but not limited to) biomechanics, contact mechanics, environmental influences, elasticity and plasticity, micro- and nanomechanics, fracture and damage mechanics, viscoelastic and viscoplastic materials, vibration and dynamics of solids and Structures, mechanics of composites and polymer materials. The scope of the journal also includes fatigue, impact, and creep of solids and structures. JMS also publishes articles on material characterization and mechanical behavior of engineered materials.

All contributions are reviewed by at least two reviewers. As a fully open-access journal, the articles published in this journal would be highly searchable and instantly available to everyone worldwide. There are no "Article Processing Charges" (APC) or submission fees for each paper submitted. This includes peer review, editing, publishing, maintenance, and archiving, and allows instant access to the full-text versions of the articles.

JMS publishes two issues in each volume in the first quarter (April) and the last quarter of the year (November). It also considers the publication of special issues on specific themes or related to engineering conferences selected papers. The journal offers the authors an excellent support service at every stage, guiding them through the entire submission, review, and publishing process.

The editorial board of this journal consists of experienced researchers from all disciplines of technical manufacturing.

This journal is affiliated with the International Conference on Mechanics of Solids, held every even year in November at the Faculty of Engineering, University of Porto (<https://web.fe.up.pt/~ms2022/>).

The papers presented in this first issue are varied but mainly focused on adhesive joints. The papers include a case study on bi-material flywheels (de Castro), the fatigue threshold analysis of adhesives (Bittencourt et al.), effect of mode mixity on the failure mechanisms of aged adhesives (do Vale et al.), a novel mechanical characterization approach for adhesive

materials (Faria et al.), and using direct method to obtain the cohesive law for adhesives (Granja et al.).

We would like to thank the authors for gently accepting to participate in this first issue. The papers presented are good examples of studies related to recent advances on the mechanics of solids. They represent a good starting point for what is expected to be a dynamic forum of the last developments in solid mechanics.

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