



Editorial of the 1st issue of Engineering Manufacturing Letters

Ricardo Carbas

Editor-in-Chief of Engineering Manufacturing Letters. Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 PORTO, Portugal (rcarbas@fe.up.pt) ORCID [0000-0002-1933-0865](https://orcid.org/0000-0002-1933-0865)

This is the first issue of the *Engineering Manufacturing Letters* (EML). The journal is published by the University of Porto. The journal is expected to receive submissions from a wide range of industries such as transportation (automotive, rail, aeronautical and marine), packaging, electronics, sports, etc. In addition, intense research on this subject is also performed in academic contexts, and contributions by higher learning institutions and research centers are also expected. This journal will accept submissions on additive manufacturing, vacuum assisted high pressure die casting, semi-solid metal casting, compressive and tensile forming processes, micro and nano machining, nanocomposite manufacturing, adhesive bonding, laser cutting and joining, etc. Subtopics include modelling and optimization of manufacture processes, design for manufacturing strategies, development of new manufacturing technologies, design of novel manufacturing equipment, comparative case studies, cost and quality analysis, ecological aspects and destructive and non-destructive testing of manufactured components.

Technological advances in the manufacturing field are often so diverse and evolve so fast that slower traditional publication methods based on full length, original research scientific papers have difficulties in keeping up. To address this issue, it is proposed to establish a new journal, dedicated to short reports and letters on innovative manufacturing processes.

The journal is open access, but no fees will be charged to the authors until the journal is indexed in the major databases. This journal is associated to the international conference on Engineering Manufacture that takes place every even years in May at the Faculty of Engineering of the University of Porto (www.fe.up.pt/em2022). The editorial board of this journal includes experienced researchers from all disciplines of engineering manufacture.

The papers presented in this first issue are varied. They include short papers on metal forming (Cruz et al.), laser welding (Marques et al.), casting (Carneiro et al.) and three papers on additive manufacturing (Melo et al., Oliveira et al., and Uriati et al.) which is probably the most dynamic field at the moment.

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 engineering technological processes. They represent a good starting point for what is expected to be a dynamic forum of the last developments in engineering manufacture.

March 2022