Special Issue

Electrochemical Manufacturing Processes

Message from the Guest Editor

In this Special Issue, new research on electrochemical processes is welcome. At this moment, very detailed information about optimum process parameters is needed to improve the industrial applications of electrochemical micromachining and electropolishing. These parameters range from electrical variables to the conditions of the process, such as electrolytes, temperature, gap, etc. Further research is also needed to understand the chemistry and physics of the process, as well as suitable models for its study and applications. Special attention is required to study the applications of the process, as well as the parts obtained by additive manufacturing. These parts often need post-processing operations to produce micro-features for which the additive manufacturing process does not have enough precision. In addition, additive manufacturing of metallic parts does not achieve suitable surface finishes for some applications, especially biomedical implants and prostheses, in which the surface integrity and absence of residual stress is crucial.

Guest Editor

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Editor-in-Chief

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