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Corrosion in Additive Manufacturing

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Message from the Guest Editors

Despite the great development and the large number of investigations carried out in Additive manufacturing, the optimization of the manufacturing processes is still necessary. The microstructural changes, the presence of defects and the anisotropy in the properties, condition the final properties and therefore their applicability. Many of the existing investigations limit the characterization of these materials to mechanical behavior, although we cannot forget that degradation processes, such as corrosion in metals, largely condition their applications.

This Special Issue focuses on the corrosion resistance of metallic materials and metallic matrix materials obtained by additive manufacturing. Topics of interest include, but are not limited to:

- Correlation between microstructure, manufacturing defects, surface finish and electrochemical response
- Optimization or simulation of AM to improve the properties against corrosion
- Electrochemical response of new AM materials
- Advancements in degradation of AM materials

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Message from the Editor-in-Chief

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