Special Issue

Material Development for Additive Manufacturing and Injection Moulding

Message from the Guest Editors

Injection moulding is one of the most commonly used manufacturing methods for the mass production of parts with complex geometry for a variety of industries. In recent years, additive manufacturing has been greatly improved, and it is the technology of choice for the manufacturing of products with very high complex geometry, in limited amounts and with customizable features. The following are some of the proposed materials to be included in but not limted to this Special Issue:

- Polymer composites and blends for special injection moulding or extrusion-based additive manufacturing;
- Polymeric biomaterials for injection moulding and additive manufacturing;
- Highly-filled polymers for injection moulding and additive manufacturing;
- Filled and unfilled resins for vat photo-polymerization and material jetting;
- Binder agents and powders for binder jetting;
- Powders for powder bed fusion and direct additive energy deposition;
- Materials for hybrid manufacturing methods.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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