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# **Characterisation and Constitutive Modelling of Polymers and Polymeric Composites**

Guest Editor:

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Deadline for manuscript submissions:

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## **Message from the Guest Editor**

Polymeric materials are increasingly receiving scientific and industrial interest due to the recent advances in 3D-printing techniques and the possibility of introducing smart responses under various external stimuli. When these materials are manufactured by 3D-printing techniques or when they include embedded stimuli-responsive particles, their mechanical responses become even more complex, presenting anisotropy and physically coupled effects. All these dependences together make the characterization and modelling of their mechanical deformation and failure extremely difficult.

In this Special Issue, novel and recent trends in the Characterisation and Constitutive Modelling of Polymers and Polymeric Composites will be highlighted and discussed. A special focus will be placed on smart polymeric composites (e.g., magneto-active, electroactive), 3D-printed polymers, and polymeric metamaterials. This Special Issue will cover experimental, modelling, and computational aspects of the area.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome













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### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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