



polymers



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Advances in Braided Polymer Composites

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Message from the Guest Editors

Braided polymer composites are characterised by excellent structural stability and damage tolerance. They are versatile and highly conformable, ideal for high production rates. Finally, their fibre architecture can be tailored to specific applications. All this has attracted increasing interest from the automotive, marine, aeronautic and sports industries, and the use of braided polymer composites is foreseen to increase more in the following years. Despite all this, several technological aspects related to the use of 2D and 3D braided technical textiles are not fully understood and need to be clarified. This Special Issue aims to present cutting edge advances in the application of braided polymer composites, including, but not limited to, the following topics: Mechanical behaviour; Failure mechanisms; Ply-level hybridization; Failure criteria; Numerical simulations; Advanced applications; Manufacturing processes; Simulation of the manufacturing process; Ageing behaviour; Textile architectures. It is our great pleasure to invite you to contribute to this topic with your most original and recent results in this expanding field.



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Special Issue



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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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