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Advances in Textile-Based Composites and Polymers: Machine Learning Predictions, Structure Optimization and Smart Applications

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

The Special Issue presents a comprehensive overview of the latest advances in the intersection of textiles, composites, and polymers. Focusing on the integration of machine learning, the issue explores predictive modeling in order to understand complex material behaviors. Researchers delve into the application of machine learning algorithms for the prediction and optimization of the structural designs of textile-based composites.

Beyond theoretical discussions, the also Special Issue emphasizes practical implementations, demonstrating how smart textiles are deployed across various domains. From predicting material responses to optimizing structures and incorporating intelligent applications, this issue offers a holistic perspective on the developing landscape of textile-based composites and polymers. Specifically targeting researchers, engineers, and practitioners, this collection of articles serves as a valuable resource for the latest advancements in this dynamic and interdisciplinary field.

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Message from the Editor-in-Chief

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