

Special Issue

Biopolymeric Matrices Reinforced with Natural Fibers and Nanofillers

Message from the Guest Editors

Recent manufacturing advancements have led to the fabrication of polymeric composites reinforced with natural fibers and nanofillers. However, to reduce the impact on the environment, efforts have been made to replace synthetic fibers by natural fibers in many applications. Natural fibers can possess higher cellulose content, a higher degree of polymerization of cellulose, and a lower microfibrillar angle, which are crucial factors for the mechanical properties, namely tensile modulus and tensile strength, and many other properties that make them suitable for the reinforcement of polymeric composites. The research work that will be submitted to this special issue need to show a complete overview of the application fields where these sustainable biopolymeric composites show potential, with a particular emphasis on their role as matrices for biocomposites reinforced with Natural Fibers and Nanofillers to be applied in a wide range of situations from civil construction to biomedical applications"

Guest Editors

Dr. Deesy Gomes Pinto

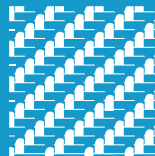
Faculty of Exact Sciences and Engineering, Department of Civil Engineering and Geology, University of Madeira, Campus da Penteada, 9020-105 Funchal, Portugal

Dr. Rajashekhar Kurahatti

Mechanical Engineering Department, Basaveshwar Engineering College, Bagalkote 587102, India

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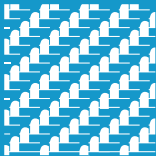
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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Dr. Francesco Tornabene
Department of Innovation Engineering, University of Salento, 73100
Lecce, Italy

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