

Special Issue Reprint

Recent Developments in Wood Polymer Composites

www.mdpi.com/books/reprint/10760

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ISBN 978-3-7258-3742-7 (Hardback)
ISBN 978-3-7258-3741-0 (PDF)



Wood polymer composites have emerged as a beacon of progress that is continuously evolving and attracting intensive research endeavors. The academic community has responded with a proliferation of publications, each presenting exciting results and advancements that hold significant potential for practical applications. However, wood polymer composites are also confronted with some challenges such as synthetic procedures, scale-up productions, performance enhancement, multifunctionality, biomimetic structures and functions, intelligent properties, underlying mechanisms of action, and high-tech applications. This reprint focuses on “Recent Developments in Wood Polymer Composites”, which is the collaborative effort of several senior experts in this field. It aims to provide a concise and penetrating exploration of the synthesis, structure, properties, and applications of wood polymer composites, thereby revealing their unique value in sustainable development and outlining the latest research advancements in this field. This reprint is designed for a multidisciplinary audience, including the professionals in forestry engineering, materials science, environmental science, and chemical engineering, as well as policymakers and business leaders with an interest in sustainable materials. We hope this reprint will serve as an invaluable reference for professionals in this field, contributing to the ongoing evolution of wood polymer composites.

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