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Wood- and Plant-Based Nanocellulose: Applications in the Biomedical Field

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Deadline for manuscript submissions:

closed (5 October 2022)

Message from the Guest Editors

Nanocellulose derived from wood and plants has been suggested to be used for various applications due to their inherited properties. This is a requirement not easily attainable by vegetable nanocellulose, due to the ordered nature of its chains and the various components within its structure, such as hemicellulose and lignin. Additionally, despite being a bioinert material, there are no enzymes in the human body that degrade this material in vivo. Therefore, this Special Issue is launched to cover recent techniques and synthesis of plant nanocellulose for biomedical applications. Original papers and reviews on, but not restricted to, the following topics are welcomed:

- Blending nanocellulose with biocompatible materials for tissue engineering;
- Functionalisation of nanocellulose for targeted drug delivery;
- Nanocellulose scaffolds for orthopaedic implants













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Message from the Editor-in-Chief

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