

Special Issue

Application of Plant-Based Biomaterials

Message from the Guest Editors

- The application of plant-based biomaterials in the development of sensors and biosensors, including paper-based devices, or the use of plant-based biomaterials as active components in sensing;
- New approaches to the fabrication of plant-based biomaterials and devices, including thin films, microfluidics, and 3D structures;
- The characterisation of new plant-based biomaterials and their functionalisation or incorporation into composite materials to enhance their properties;
- The application of plant-based biomaterials in the development of energy storage and energy harvesting devices;
- The use of plant-based biomaterials in electronics, including flexible circuits for wearable devices, electronic textiles, or organic semiconductors, among others;
- Theoretical approaches, including theoretical and/or modelling advances, and their applications.

Guest Editors

Dr. Antonio Ruiz-Gonzalez

Health Innovation Network South London, London SE1 7EU, UK

Dr. Mingqing Wang

Institute for Materials Discovery, University College London, London WC1E 7JE, UK

Deadline for manuscript submissions

closed (20 February 2026)



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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