

## Special Issue

# Advances in Carbon Bionanocomposites: Recent Innovations and Applications

### Message from the Guest Editors

Carbon bionanocomposites are at the forefront of materials science, blending carbon nanomaterials with biological species to create hybrid systems with extraordinary potential across various scientific domains. The fusion of carbon's unique electrical, thermal, mechanical, and optical properties with the biological activity, natural abundance, and self-assembly abilities of biomolecules opens up innovative applications in fields like biosensing, biomedicine, environmental monitoring, and energy. This burgeoning field has already demonstrated exciting progress, particularly in the creation of highly sensitive biosensors, advanced drug delivery platforms, and eco-friendly materials for sustainable technologies. This Special Issue seeks to compile a collection of high-quality articles in this interdisciplinary field. By gathering the latest research and review articles, we aim to present a comprehensive overview of how carbon bionanocomposites can be used to address some of today's most pressing scientific and technological challenges.

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### Guest Editors

Dr. Carlos Pereira

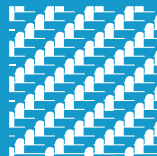
Prof. Dr. A. Fernando Silva

Dr. José Miguel Campiña Pina

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### Deadline for manuscript submissions

15 February 2026



## Journal of Composites Science

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## About the Journal

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#### Editor-in-Chief

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