

Biomass-Derived Materials for Environmental Applications

Edited by

Ioannis Anastopoulos, Eder Lima, Lucas Meili and Dimitrios A. Giannakoudakis

Biomass-Derived Materials for Environmental Applications presents state-of-the-art bio-based materials that can be utilized to address the growing global concern of pollutant discharge in the environment. Each chapter examines the preparation, physicochemical characterization, and application of biomass-derived novel materials against specific pollutants.

Organized clearly by type of material, *Biomass-Derived Materials for Environmental Applications* includes details on advanced carbonaceous and lignocellulosic-based materials as well as composites obtained from natural origins. It offers an interdisciplinary and practical examination of these materials and their use in environmental remediation, valuable to environmental scientists, materials scientists, environmental chemists, and environmental engineers alike.

Key Features

- Highlights a wide range of synthetic methodologies, as well as physicochemical and engineered features of bio-based materials for environmental remediation purposes.
- Provides an in-depth examination of utilization of biomass-derived materials against specific pollutants.
- Each chapter covers a specific material and includes background information, key results, critical discussion, conclusions, and future perspectives.

About the Editors

Prof. Dr. Ioannis Anastopoulos is an assistant Professor at the Department of Agriculture, University of Ioannina, Arta, Greece.

Prof. Dr. Eder Claudio Lima is a Full Professor at the Institute of Chemistry, Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, RS, Brazil.

Prof. Dr. Lucas Meili is a Professor at the Center of Technology, Federal University of Alagoas (UFAL), Maceió, Alagoas, Brazil.

Dr. Dimitrios Giannakoudakis is Research Associate at Aristotle University of Thessaloniki in Greece and tutor at the Institute of Physical Chemistry of Polish Academy of Science in Warsaw.



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