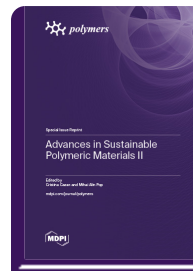


Special Issue Reprint

Advances in Sustainable Polymeric Materials II

www.mdpi.com/books/reprint/9444

Edited by
Cristina Cazan
Mihai Alin Pop



ISBN 978-3-7258-1326-1 (Hardback)
ISBN 978-3-7258-1325-4 (PDF)

This reprint, "*Advances in Sustainable Polymeric Materials II*", contains 16 studies and further cutting-edge research that illustrate how these challenges can be addressed through the use of advanced materials, sustainable polymers, and green technologies. It highlights the importance of efficient catalysts, bio-based materials, and green chemical processes and demonstrates how cellulose derivatives and other natural materials can be integrated into polymer compositions. The reprint also explores the use of electrospun membranes and reactive eutectic solvents for greener methods of wastewater treatment and material synthesis, and the potential of agri-food waste and biomaterials for fully bio-based polymer coatings and materials. It also discusses the stabilization and preservation of natural extracts and active ingredients, showcasing the importance of encapsulation and nanotechnology in preserving these substances' beneficial properties. Each chapter provides detailed insight into how natural resources can be harnessed to create high-performance products while maintaining a strong commitment to environmental protection. These innovations not only improve the performance of materials but also contribute to reducing the ecological footprint of industrial processes.

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.