

Special Issue Reprint

Extraction, Utilization and Conversion of Woody Biomass

www.mdpi.com/books/reprint/11982

Edited by

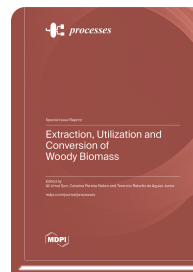
Ali Umut Şen

Catarina Pereira Nobre

Terencio Rebello de Aguiar Junior

ISBN 978-3-7258-6003-6 (Hardback)

ISBN 978-3-7258-6004-3 (PDF)



Woody biomass has increasingly emerged as a versatile feedstock for the sustainable production of bioactive compounds, energy carriers, and advanced materials. This Special Issue consolidates recent advances across three interrelated domains: (1) the selective extraction of high-value molecules such as phenolics, flavonoids, and triterpenoids using conventional and green solvents and supercritical technologies; (2) the improvement of biochemical and thermochemical conversion pathways for the generation of fuels, hydrogen, and carbonaceous materials; and (3) comprehensive sustainability evaluations at the system level, encompassing life cycle assessment and techno-economic analysis.

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.