

Special Issue Reprint

Food Bioactive Compounds: Chemical Challenges and Opportunities

www.mdpi.com/books/reprint/6866

Edited by
Smaoui Slim

ISBN 978-3-0365-6793-8 (Hardback)

ISBN 978-3-0365-6792-1 (PDF)



In recent years, there has been a growing need for both nutritional and healthy foods with superior functional properties. In this line, bioactive compounds are economically available in different foods systems with limitations in quality and functionality.

The present Special Issue is placed in this context, and aimed to provide a collection of modern chemical strategies developed with the intent of extracting, characterizing, tracing, or authenticating food bioactive compounds. Original research articles dealing with innovative techniques for the extraction (e.g., green chemistry) of bioactive compounds were welcomed. In addition, when discussing modern analytical methods, the structural characterization and identification of these active components were required. Attention was also devoted to theoretical aspects of the determination of the bioactivity and mechanisms of action of food bioactive compounds, as well as challenging properties for application as drug agents. Review articles providing an overview of the latest trends in this area of interest were also very welcomed.

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.