



antioxidants

IMPACT
FACTOR
6.6

Indexed in:
PubMed

CITESCORE
12.4

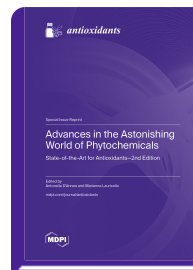
Special Issue Reprint

Advances in the Astonishing World of Phytochemicals

www.mdpi.com/books/reprint/11655

Edited by
Antonella D'Anneo
Marianna Lauricella

ISBN 978-3-7258-5475-2 (Hardback)
ISBN 978-3-7258-5476-9 (PDF)



This Reprint represents a collection of 12 scientific papers belonging to the Special Issue in Antioxidants titled “Advances in the Astonishing World of Phytochemicals: State-of-the-Art for Antioxidants—2nd Edition” edited by us. Several studies have shown that plants are a source of a plethora of bioactive compounds, such as phytohormones, glycosides, terpenoids, alkaloids, phenolic compounds, and essential oils, with a strong potential impact in the fields of pharmaceuticals and agriculture. These phytochemicals represent a valuable set of weapons that plants use in self-defense to counteract abiotic stresses disturbing the delicate equilibrium between the generation of reactive oxygen species (ROS) and antioxidant defense systems. In recent years, the interest in this area of research has been increasing due to the multifaceted properties of natural compounds containing antioxidants and exhibiting anticancer, anti-inflammatory, and antimicrobial activity. Therefore, understanding the underlying mechanism of their action is crucial to establishing their real potential in applied sciences and their potential health benefits. This reprint is addressed to researchers exploring the multifaceted properties of natural compounds containing antioxidants, and describes the need to understand how active compounds, solvents, and complex formations interact, in order to better establish their potential in applied sciences. We are grateful to all the authors for their contributions to the research topic of this reprint and all the editorial staff members for their valuable support.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11655

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.