



agriculture



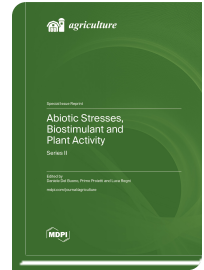
Special Issue Reprint

Abiotic Stresses, Biostimulant and Plant Activity— Series II

www.mdpi.com/books/reprint/10638

Edited by
Daniele Del Buono
Primo Proietti
Luca Regni

ISBN 978-3-7258-3247-7 (Hardback)
ISBN 978-3-7258-3248-4 (PDF)



Biotic and abiotic stresses, intensified by climate change, pose significant challenges to cropping systems by reducing both productivity and product quality. With the global population steadily increasing, agriculture must adopt sustainable practices and strategies to meet the rising demand for food while mitigating the impacts of these stresses. Salt, drought, and heat stress have the most severe impacts on agricultural systems, making it essential to implement sustainable measures to enhance crop resilience and ensure stable or improved production. Biostimulants have garnered growing attention for their ability to boost plant stress tolerance, productivity, and product quality in an economically and environmentally sustainable manner. These materials primarily enhance plant performance, nutrient acquisition and use efficiency, and end-product quality traits. Within this frame, this Special Issue collates research on the role of biostimulants and other innovative materials and techniques for promoting plant growth, yield, and product quality under abiotic stress conditions. This Special Issue also investigates the mechanisms of action of biostimulants, highlighting their economic and environmental benefits. Additionally, it examines novel substances with biostimulant properties, broadening the scope of sustainable solutions for modern agriculture.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/10638

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.