



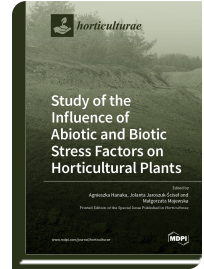
*Special Issue Reprint*

## **Study of the Influence of Abiotic and Biotic Stress Factors on Horticultural Plants**

[www.mdpi.com/books/reprint/5031](http://www.mdpi.com/books/reprint/5031)

Edited by  
Agnieszka Hanaka  
Jolanta Jaroszuk-Ścisiel  
Małgorzata Majewska

ISBN 978-3-0365-3112-0 (Hardback)  
ISBN 978-3-0365-3113-7 (PDF)



We would like to provide the scientists a set of studies entitled "Study of the Influence of Abiotic and Biotic Stress Factors on Horticultural Plants". The reprint book contains 12 papers about the influence of the stress factors on the plant growth and soil parameters. Authors described the impact of the biotic and abiotic stress factors (i.e., high, and low temperature, salt, inorganic pollutants such as salts, heavy metals, phosphite, as well as irrigation) on the physiological, biochemical, and anatomical changes occurring in the plants at the cellular, tissue, organ, and whole plant level. The subject of these studies were different plant species, i.e., watermelon, lettuce, kale, potato, grapevine, hops, orchid, strawberry, and boxwood. The ideas of the papers can be divided into five topics: (1) achieving better quality of plant material for food production by changes made in the growth conditions, metabolic and genetic modifications; (2) increasing the plant resistance to environmental stresses by application of exogenous compounds of different chemical character; (3) reducing plant stress caused by anthropogenic activity applying nonmodified and genetically modified plants; (4) mitigating drought stress by irrigation; and 5) the positive effect of plant growth-promoting microorganisms on horticulture plants performance during drought stress.

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.