



plants



Special Issue Reprint

Plant Responses to a Changing Climate

www.mdpi.com/books/reprint/11416

Edited by

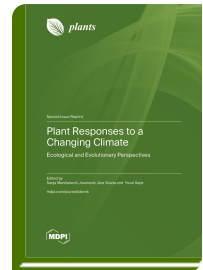
Sanja Manitašević Jovanović

Ana Vuleta

Yuval Sapir

ISBN 978-3-7258-4987-1 (Hardback)

ISBN 978-3-7258-4988-8 (PDF)



Anthropogenic climate change is already having a profound impact on natural ecosystems, disrupting important ecological processes, altering the ecosystem functionality, and accelerating biodiversity loss. Being directly affected by changing climate, plants play a central role in ecosystem responses to these environmental changes. This reprint provides a multidisciplinary overview of plant responses to climate change, encompassing physiological, phenological, and biogeographical aspects. The collected articles examine trait plasticity, stress tolerance mechanisms, and species distribution dynamics across a range of ecosystems and climate scenarios. Through experimental approaches, ecological modelling, and remote sensing, the presented studies shed light on both the current impacts and future trajectories of climate-induced changes in plant systems. Together, they provide valuable insights into the resilience and vulnerability of species and the broader ecological consequences of climate change. The results presented here provide a critical foundation for guiding future research and updating conservation strategies aimed at mitigating biodiversity loss in the face of ongoing climate change.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/11416

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.