



agriculture



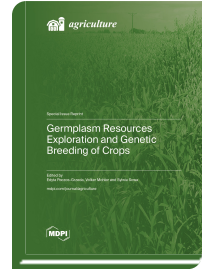
Special Issue Reprint

Germplasm Resources Exploration and Genetic Breeding of Crops

www.mdpi.com/books/reprint/8835

Edited by
Edyta Paczos-Grzeda
Volker Mohler
Sylwia Sowa

ISBN 978-3-0365-9841-3 (Hardback)
ISBN 978-3-0365-9842-0 (PDF)



The rapidly changing global climate has a detrimental impact on agriculture and jeopardizes global food security. Due to changes in the environment, plant breeders are forced to create new and improved cultivars that are more resilient to biotic and abiotic stressors. To adapt to increasingly demanding and changing environments, crops' genetic diversity must be preserved and conserved in genebanks worldwide. The availability of useful and properly characterized genetic variation is one of the core parameters for securing genetic gains in plant breeding programs. This may be accomplished by using sophisticated molecular, biochemical, and physiological techniques for the extensive phenotyping and genotyping of genebank collections, wild species, historical cultivars, landraces, and breeding materials. This Special Issue highlights aspects of “Germplasm Resources Exploration and Genetic Breeding of Crops” and focuses on a variety of ideas, concepts, and strategies aiming to accelerate plant breeding through the exploration of germplasm resources.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/8835

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.