



**agronomy**



*Special Issue Reprint*

## **CERNAS – Current Evolution and Research Novelty in Agricultural Sustainability**

[www.mdpi.com/books/reprint/8342](http://www.mdpi.com/books/reprint/8342)

Edited by

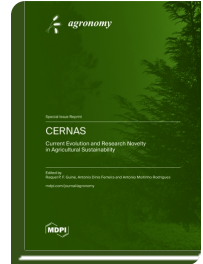
Raquel P. F. Guiné

António Dinis Ferreira

António Moitinho Rodrigues

ISBN 978-3-0365-9602-0 (Hardback)

ISBN 978-3-0365-9603-7 (PDF)



This reprint addresses original studies and reviews focused on the current evolution and research novelty in agricultural sustainability.

New developments are discussed on issues related with quality of soil, natural fertilizers, or the sustainable use of land and water. Also, crop protection techniques are pivotal for sustainable food production under the challenges of the Sustainable Development Goals of the United Nations, allied to innovative weed control methodologies, as a way to reduce the utilization of pesticides. The role of precision and smart agriculture is becoming more pertinent as communication technologies improve at a rapid rate. Waste management, reuse of agro-industrial residues, extension of shelf life, and use of new technologies are methods to reduce food waste, all contributing to higher sustainability in food supply chains and leading to more rational use of natural resources. The unquestionable role of bees as pollinators and contributors to biodiversity is adjacent to characterizing beekeeping activities, which in turn contributes, together with the valorization of endemic varieties of plant foods, to the development of local communities. Finally, short circuits and local food markets have a decisive role in the preservation and enhancement of rural economies.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/8342](http://www.mdpi.com/books/reprint/8342)

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.