



*Special Issue Reprint*

## **Agricultural Land Management to Meet Future Global Food Demand**

[www.mdpi.com/books/reprint/8959](http://www.mdpi.com/books/reprint/8959)

Edited by  
Uttam Khanal  
Sanzidur Rahman

ISBN 978-3-7258-0539-6 (Hardback)  
ISBN 978-3-7258-0540-2 (PDF)



In the 21st century, global agriculture is facing two major competing issues, urgently calling for us to investigate the nexus of land–food–climate. First, food production will need to substantially increase to meet the growing demand of a larger and wealthier population. Moreover, climate change, urbanization, and several other drivers are posing challenges to food production. Farmers can increase food production either by expanding their land area or by raising existing agricultural land productivity. Given the limited cultivatable land, and high socio-economic and ecosystem costs of clearing more land for agriculture, the prospect of expanding agricultural land is almost non-existent. Therefore, it is vital to raise crop yields on existing farmlands by adopting sustainable land management practices. Several social, economic, demographic, and biophysical factors can affect the implementation of land management practices in different agricultural production systems. Consequently, the design and implementation of location-specific land management practices that can enhance crop yields while minimizing adverse environmental impacts are important and require further research and investigation. In this Special Issue, we invited manuscripts that address research issues including the following: Sustainable intensification of agricultural land; Modeling agricultural systems and food production; Design and implementation of land management practices; Economic analysis of agricultural interventions; Adoption and diffusion of agricultural technologies; Environmental benefits of land management practices.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/8959](http://www.mdpi.com/books/reprint/8959)

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.