



agriculture



Special Issue Reprint

Feature Papers in Agriculture Technology

www.mdpi.com/books/reprint/10933

Edited by
Mustafa Ucgul

ISBN 978-3-7258-3925-4 (Hardback)

ISBN 978-3-7258-3926-1 (PDF)



In the ever-changing world of agriculture, marked by the constant need to produce more food while balancing resource and sustainability demands, the creation of better farming equipment plays a crucial role. Embracing technology and innovation is key to tackling these challenges, and computer simulation stands out as a powerful tool in this endeavour. This Special Issue, titled "Using Computer Simulation for Agricultural Machinery Design and Development", explores the broad landscape of applying computer simulation techniques in agriculture. The publications covered various topics, including advanced modelling and simulation (DEM, FEM, CFD, SPH), performance optimisation, structural analysis, energy efficiency, human-machine interaction, and validation and verification. This Special Issue is more than a mere collection of papers; it is a driving force advancing the boundaries of agricultural machinery design and development through computer simulation.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/10933

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.