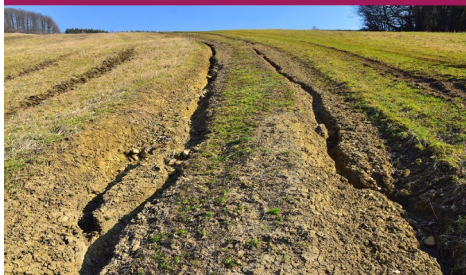


BURLEIGH DODDS SERIES IN AGRICULTURAL SCIENCE

Understanding and preventing soil erosion

Edited by Dr Manuel Seeger, University of Trier, Germany



bd burleigh dodds
SCIENCE PUBLISHING

AVAILABLE NOW!

About the book

This book provides a comprehensive overview of recent research on understanding the mechanisms of soil erosion, as well as the best practices for measuring and modelling soil erosion risk in agricultural soils. The book also considers the range of agronomic practices and techniques available to mitigate future soil erosion, including the use of buffer strips, zero/no-tillage and soil stabilisers.

About the editor

Dr Manuel Seeger is Senior Lecturer in the Department of Physical Geography in the School of Regional and Environmental Sciences at the University of Trier, Germany. He was formerly Associate Professor at the University of Zaragoza, Spain, and Assistant Professor at Wageningen University, The Netherlands. Dr Seeger is internationally known for his research on measuring, understanding and mitigating soil erosion, particularly for European soils.

Understanding and preventing soil erosion

Available in print and digital formats:

ISBN - print	978-1-80146-379-9
Pages	262
Pub. Date	August 2024
Price	£145/\$190/€175/C\$245
Series No	AS146

For a complete list of titles visit www.bdspublishing.com

T: +44 (0) 1223 839365

E: info@bdspublishing.com

www.bdspublishing.com

 @bdspublishing

 Burleigh Dodds Science Publishing

bd burleigh dodds
SCIENCE PUBLISHING

Understanding and preventing soil erosion

Edited by: Dr Manuel Seeger, University of Trier, Germany

Part 1 Mechanisms

1. Advances in understanding soil erodibility: *Karl Manuel Seeger, University of Trier, Germany*
2. Soil erosion by water processes and prediction technology: *Dennis C. Flanagan, USDA-ARS National Soil Erosion Research Laboratory, USA*
3. Assessing the impact of climate change on soil erosion by water: *Karl Auerswald, Technical University of Munich, Germany; and Peter Fiener, University of Augsburg, Germany*

Part 2 Measuring soil erosion

4. Advances in proximal instrumental techniques for measuring gully and rill erosion of agricultural soils: *J. Casali, M. A. Campo-Bescós, J. Álvarez-Mozos and R. Giménez, University of Navarre (UPNA), Spain*
5. Advances in tracking sediment transport from agricultural land: *Anthony J. Parsons, University of Sheffield, UK*
6. Advances in modeling soil erosion risk: *Sudhanshu S Panda, University of North Georgia, USA; Debasmita Misra, University of Alaska Fairbanks, USA; Devendra M Amatya and Johnny M Grace III, USDA Forest Service, USA; and Anita Thompson, University of Wisconsin-Madison, USA*

Part 3 Mitigating soil erosion

7. Assessing the effectiveness and history of buffer strip implementation in preventing soil sediment and nutrient losses to surface waters: *Brian Kronvang and Dominik Zak, Aarhus University, Denmark; Eva Skarbøvik and Anne-Grete Busetth Blankenberg, Norwegian Institute of Bioeconomy Research (NIBIO), Norway; and Marc Stutter, The James Hutton Institute, UK*
8. The effects of no-till and related practices in preventing soil erosion: *Michael Kucera, Formerly USDA Natural Resources Conservation Service (USDA-NRCS)/National Soil Survey Center, USA*
9. The use of soil stabilizers to prevent erosion: *G. J. Levy, Agricultural Research Organization, Israel; and A. I. Mamedov, Tottori University, Japan*