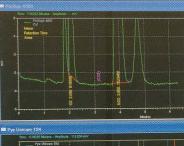


WILEY Blackwell

Published by Blackwell Publishing and the British Society of Soil Science on behalf of National Societies of Soil Science in Europe







European Journal of

Soil Science

- an International Journal

Physical processes and function

- 197 G. J. LEVY, A. LORDIAN, D. GOLDSTEIN AND M. BORISOVER Soil structural indices' dependence on irrigation water quality and their association with chromophoric components in dissolved organic matter
- 206 X. Zhu, H. Chen, W. Li, Y. He, P. C. Brookes and J. Xu Aggregation kinetics of natural soil nanoparticles in different electrolytes

Carbon and organic matter

- 218 E. Arthur, P. Schjønning, P. Moldrup, F. Razzaghi, M. Tuller and L. W. De Jonge Soil structure and microbial activity dynamics in 20-month field-incubated organic-amended soils
- S. ASLAM, P. BENOIT, F. CHABAUTY, V. BERGHEAUD, C. GENG, L. VIEUBLÉ-GONOD
 AND P. GARNIER
 Modelling the impacts of maize decomposition on glyphosate dynamics in mulch
- 248 C. Guerrero, B. Stenberg, J. Wetterlind, R. A. Viscarra Rossel, F. T. Maestre, A. M. Mouazen, R. Zornoza, J. D. Ruiz-Sinoga and B. Kuang Assessment of soil organic carbon at local scale with spiked NIR calibrations: effects of selection and extra-weighting on the spiking subset
- V. Vyšná, F. Dyer, W. Maher and R. Norris Have you checked for charcoal? Assessment of soil condition using soil organic carbon

Biological interactions

- 274 S. Papa, E. Cembrola, A. Pellegrino, A. Fuggi and A. Fioretto Microbial enzyme activities, fungal biomass and quality of the litter and upper soil layer in a beech forest of south Italy
- 286 R. BOLUDA, L. ROCA-PÉREZ, M. IRANZO, C. GIL AND S. MORMENEO Determination of enzymatic activities using a miniaturized system as a rapid method to assess soil quality
- D. R. Chadwick, L. Cardenas, T. H. Misselbrook, K. A. Smith, R. M. Rees,
 C. J. Watson, K. L. McGeough, J. R. Williams, J. M. Cloy, R. E. Thorman
 And M. S. Dhanoa
 Optimizing chamber methods for measuring nitrous oxide emissions from

Chemical processes and functions

plot-based agricultural experiments

- 308 Y. P. Yan, F. Liu JR, W. Li, F. Liu, X. H. Feng and D. L. Sparks Sorption and desorption characteristics of organic phosphates of different structures on aluminium (oxyhydr)oxides
- 318 Book reviews

Volume 65 Number 2

March 2014

ISSN 1351-0754 (Print)

ISSN 1365-2389 (Online)









The images illustrate integrated research on temperate, managed grassland in SW England on a poorly drained soil (background image) to aid development of mitigation strategies to optimise resources and reduce environmental impact. The objectives are to understand the effects of land management over the flow and composition of excess water (main image) in combination with detailed studies on soil processes regulating the flows of gases and other pollutants, nutrient cycling and carbon storage using laboratory approaches (lower images).

© British Soil Science Society: pictures were obtained from the Farm Research Platform at Rothamsted Research, North Wyke, Devon with the assistance of Laura Cardenas and Bruce Griffith.

WILEY Blackwell

Discover this pound on the Library
Online Library
Wiley Online University



European Journal of

Soil Science

- an International Journal

Physical processes and function

- 325 B. Algayer, B. Wang, H. Bourennane, F. Zheng, O. Duval, G. Li, Y. Le Bissonnais and F. Darboux
 - Aggregate stability of a crusted soil: differences between crust and sub-crust material, and consequences for interrill erodibility assessment. An example from the Loess Plateau of China
- 336 E. MICHEL, S. MAJDALANI AND L. DI-PIETRO
 A novel conceptual framework for long-term leaching of autochthonous soil particles during transient flow
- K. Müller, M. Deurer, K. Kawamoto, T. Kuroda, S. Subedi, S. Hiradate,
 T. Komatsu and B. E. Clothier
 A new method to quantify how water repellency compromises soils' filtering function
- 360 I. Kim, R. R. Pullanagari, M. Deurer, R. Singh, K. Y. Huh and B. E. Clothier The use of visible and near-infrared spectroscopy for the analysis of soil water repellency
- A. Reszkowska, J. Bachmann, A. Lamparter, E. Diamantopoulos and W. Durner
 The effect of temperature-induced soil water repellency on transient
 capillary pressure—water content relations during capillary rise

Carbon and organic matter

377 L. SAN EMETERIO, R. M. CANALS AND D. J. HERMAN Combined effects of labile and recalcitrant carbon on short-term availability of nitrogen in intensified arable soil

Biological interactions

- A. VALLEJO, A. MEIJIDE, P. BOECKX, A. ARCE, L. GARCÍA-TORRES, P. L. AGUADO AND L. SANCHEZ-MARTIN Nitrous oxide and methane emissions from a surface drip-irrigated system combined with fertilizer management
- 396 Book review
- 398 Referees list 2013

Volume 65 Number 3

May 2014

ISSN 1351-0754 (Print)

ISSN 1365-2389 (Online)







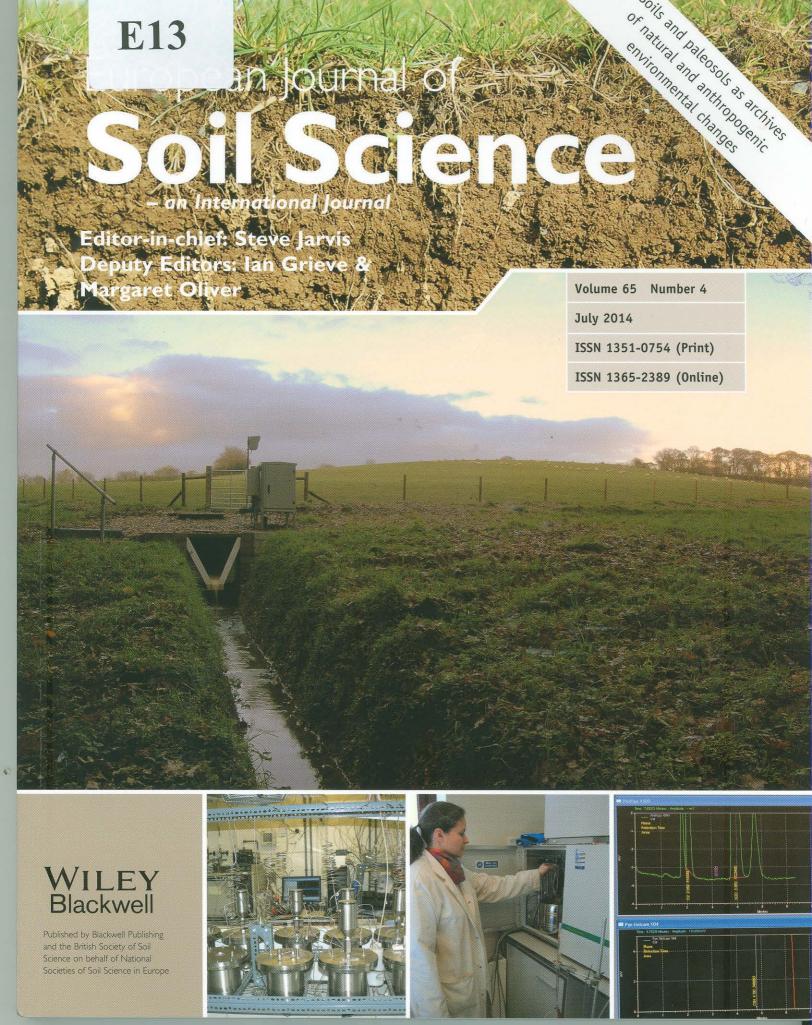


The images illustrate integrated research on temperate, managed grassland in SW England on a poorly drained soil (background image) to aid development of mitigation strategies to optimise resources and reduce environmental impact. The objectives are to understand the effects of land management over the flow and composition of excess water (main image) in combination with detailed studies on soil processes regulating the flows of gases and other pollutants, nutrient cycling and carbon storage using laboratory approaches (lower images).

© British Soil Science Society: pictures were obtained from the Farm Research Platform at Rothamsted Research, North Wyke, Devon with the assistance of Laura Cardenas and Bruce Griffith.

WILEY Blackwell

Wiley Online Library



European Journal of

Soil Science

- an International Journal

Special section: Soils and paleosols as archives of natural and anthropogenic environmental changes

- 403 C. Zaccone, S. Quideau and D. Sauer Soils and palaeosols as archives of natural and anthropogenic environmental changes
- 406 F. SCARCIGLIA, V. ZUMPANO, R. SULPIZIO, F. TERRIBILE, I. PULICE AND M. F. LA RUSSA Major factors controlling late Pleistocene to Holocene soil development in the Vesuvius area (southern Italy)
- 420 C. Zucca, D. Sechi, S. Andreucci, S. M. Shaddad, M. Deroma, S. Madrau, F. Previtali, V. Pascucci and S. Kapur Pedogenic and palaeoclimatic evidence from an Eemian calcrete in north-western Sardinia (Italy)
- 436 M. ŁANCZONT, T. MADEYSKA, M. KOMAR AND A. B. BOGUCKI The environments of loess uplands to the north and east of the Carpathians during the penultimate interglacial (MOIS 7) in palaeopedological and palaeobotanical records
- 455 T. CRUZ-Y-CRUZ, S. SEDOV, G. SÁNCHEZ, T. PI-PUIG, K. PUSTOVOYTOV, H. BARCEINAS-CRUZ, B. ORTEGA-GUERRERO AND E. SOLLEIRO-REBOLLEDO Late Pleistocene - Holocene palaeosols in the north of Sonora, Mexico: chronostratigraphy, pedogenesis and implications for environmental history
- H. Huot, M. O. Simonnot, F. Watteau, P. Marion, J. Yvon, P. De Donato
 and J. L. Morel
 Early transformation and transfer processes in a Technosol developing on iron industry deposits
- 485 N. S. Jangorzo, C. Schwartz and F. Watteau

 Image analysis of soil thin sections for a non-destructive quantification of aggregation in the early stages of pedogenesis

Carbon and organic matter

- 499 M. Kaiser, C. Piegholdt, R. Andruschkewitsch, D. Linsler, H.-J. Koch and B. Ludwig Impact of tillage intensity on carbon and nitrogen pools in surface and sub-surface soils of three long-term field experiments
- 510 H. J. FANG, S. L. CHENG, G. R. YU, X. M. YANG, M. J. XU, Y. S. WANG, L. S. LI, X. S. DANG, L. WANG AND Y. N. LI Nitrogen deposition impacts on the amount and stability of soil organic matter in an alpine meadow ecosystem depend on the form and rate of applied nitrogen
- J. Guigue, O. Mathieu, J. Lévêque, S. Mounier, R. Laffont,
 P. A. Maron, N. Navarro, C. Chateau, P. Amiotte-Suchet and Y. Lucas
 A comparison of extraction procedures for water-extractable organic matter in soils

Continues on the inside back cover

Volume 65 Number 4

July 2014

ISSN 1351-0754 (Print)

ISSN 1365-2389 (Online)





25





The images illustrate integrated research on temperate, managed grassland in SW England on a poorly drained soil (background image) to aid development of mitigation strategies to optimise resources and reduce environmental impact. The objectives are to understand the effects of land management over the flow and composition of excess water (main image) in combination with detailed studies on soil processes regulating the flows of gases and other pollutants, nutrient cycling and carbon storage using laboratory approaches (lower images).

© British Soil Science Society: pictures were obtained from the Farm Research Platform at Rothamsted Research, North Wyke, Devon with the assistance of Laura Cardenas and Bruce Griffith,

WILEY Blackwell

Wiley Online Library

Continued from outside back cover

- T. Woignier, P. Etcheverria, F. Borie, H. Quiquampoix and S. Staunton
 Role of allophanes in the accumulation of glomalin-related soil protein in tropical soils (Martinique, French West Indies)
- 539 F. STEVENS, P. BOGAERT, K. VAN OOST, S. DOETTERL AND B. VAN WESEMAEL
 Regional-scale characterization of the geomorphic control of the spatial distribution of soil organic carbon in cropland

Chemical processes and function

- 553 J. A. M. BAREJ, S. PÄTZOLD, U. PERKONS AND W. AMELUNG Phosphorus fractions in bulk subsoil and its biopore systems
- 562 J. M. Serrano, S. Shahidian and J. R. Marques da silva Soil phosphorus retention in a Mediterranean pasture subjected to differential management

Biological interactions

573 S. García-Marco, S. R. Ravella, D. Chadwick, A. Vallejo, A. S. Gregory and L. M. Cárdenas Ranking factors affecting emissions of GHG from incubated agricultural soils

Physical processes and function

- 584 X. Kuang and J. J. Jiao
 - A new equation for the soil water retention curve
- 594 A. Biswas
 - Scaling analysis of soil water storage with missing measurements using the second-generation continuous wavelet transform
- H. CROFT, K. ANDERSON AND N. J. KUHN
 Evaluating the influence of surface soil moisture and soil surface roughness on optical directional reflectance factors
- P. Turberg, F. Zeimetz, Y. Grondin, C. Elandoy and A. Buttler Characterization of structural disturbances in peats by X-ray CT-based density determinations
- 625 Book reviews