

# Soil Use and Management

- 133 L. J. HATHAWAY-JENKINS, R. SAKRABANI, B. PEARCE, A. P. WHITMORE & R. J. GODWIN  
A comparison of soil and water properties in organic and conventional farming systems in England
- 143 S. M. O'ROURKE & N. M. HOLDEN  
Optical sensing and chemometric analysis of soil organic carbon – a cost effective alternative to conventional laboratory methods?
- 156 X. XU, W. LIU, C. ZHANG & G. KIELY  
Estimation of soil organic carbon stock and its spatial distribution in the Republic of Ireland
- 163 Y. LOU, M. XU, W. WANG, X. SUN & C. LIANG  
Soil organic carbon fractions and management index after 20 yr of manure and fertilizer application for greenhouse vegetables
- 170 J. LEIFELD, M. MÜLLER & J. FUHRER  
Peatland subsidence and carbon loss from drained temperate fens
- 177 R. LÓPEZ-GARRIDO, E. MADEJÓN, J. M. MURILLO & F. MORENO  
Short and long-term distribution with depth of soil organic carbon and nutrients under traditional and conservation tillage in a Mediterranean environment (southwest Spain)
- 186 S. COVALEDA, J. F. GALLARDO, F. GARCÍA-OLIVA, H. KIRCHMANN, C. PRAT, M. BRAVO & J. D. ETCHEVERS  
Land-use effects on the distribution of soil organic carbon within particle-size fractions of volcanic soils in the Transmexican Volcanic Belt (Mexico)
- 195 S. GHOSH, P. LOCKWOOD, H. DANIEL, N. HULUGALLE, K. KING & P. KRISTIANSEN  
Changes in Vertisol properties as affected by organic amendments application rates
- 205 K. C. UZOMA, M. INOUE, H. ANDRY, H. FUJIMAKI, A. ZAHOOR & E. NISHIHARA  
Effect of cow manure biochar on maize productivity under sandy soil condition
- 213 X. Y. PANG, W. K. BAO & N. WU  
The effects of clear-felling subalpine coniferous forests on soil physical and chemical properties in the eastern Tibetan Plateau
- 221 Y. D. REDEL, M. ESCUDEY, M. ALVEAR, J. CONRAD & F. BORIE  
Effects of tillage and crop rotation on chemical phosphorus forms and some related biological activities in a Chilean Ultisol
- 229 P. PELTONEN-SAINIO, L. JAUHAINEN, P. LAITINEN, J. SALOPELTO, M. SAASTAMOINEN & A. HANNUKALA  
Identifying difficulties in rapeseed root penetration in farmers' fields in northern European conditions
- 238 R. B. BRENNAN, O. FENTON, M. RODGERS & M. G. HEALY  
Evaluation of chemical amendments to control phosphorus losses from dairy slurry
- 247 Z. E. WALLAGE & J. HOLDEN  
Near-surface macropore flow and saturated hydraulic conductivity in drained and restored blanket peatlands
- 255 A. PIWOWARCZYK, G. GIULIANI & N. M. HOLDEN  
Can soil moisture deficit be used to forecast when soils are at high risk of damage owing to grazing animals?
- 264 M. THOMAS, R. W. FITZPATRICK & G. S. HEINSON  
Spatial and temporal trends in soil salinity for identifying perched and deep groundwater systems
- Book reviews**
- 280 R. M. REES
- 281 T. BATEY