

European Journal of **Soil Science** – *an International Journal*

Editorial

- 773 B. PAN, Q. WANG AND F. ZHAO
Chinese virtual issue

Biological interactions

- 776 S. SCHMIDT, A. G. BENGOUGH, P. J. GREGORY, D. V. GRINEV AND W. OTTEN
Estimating root–soil contact from 3D X-ray microtomographs

Carbon and Organic matter

- 787 L. VIDAL-BEAUDET, C. GROSBELLET, V. FORGET-CAUBEL AND S. CHARPENTIER
Modelling long-term carbon dynamics in soils reconstituted with large quantities of organic matter
- 798 H. SIMOLA, A. PITKÄNEN AND J. TURUNEN
Carbon loss in drained forestry peatlands in Finland, estimated by re-sampling peatlands surveyed in the 1980s
- 808 U. HAMER, C. RUMPEL AND M.-F. DIGNAC
Cutin and suberin biomarkers as tracers for the turnover of shoot and root derived organic matter along a chronosequence of Ecuadorian pasture soils

Physical processes and function

- 820 W. HU, M. A. SHAO AND B. C. SI
Seasonal changes in surface bulk density and saturated hydraulic conductivity of natural landscapes

Chemical processes and functions

- 831 F. AMERY AND E. SMOLDERS
Unlocking fixed soil phosphorus upon waterlogging can be promoted by increasing soil cation exchange capacity
- 839 S. BAKEN, M. A. LARSSON, J. P. GUSTAFSSON, F. CUBADDA AND E. SMOLDERS
Ageing of vanadium in soils and consequences for bioavailability

Soil development, variability, characterization and distribution

- 848 R. A. V. ROSSEL AND R. WEBSTER
Predicting soil properties from the Australian soil visible–near infrared spectroscopic database
- 861 J. A. LAFOND, L. HAN, S. E. ALLAIRE AND P. DUTILLEUL
Multifractal properties of porosity as calculated from computed tomography (CT) images of a sandy soil, in relation to soil gas diffusion and linked soil physical properties
- 874 Book reviews

A summary of the Instructions to Authors is printed from time-to-time inside the back cover of the journal. The full version is available at <http://www.blackwellpublishing.com/ejs>