

VOL. 276

CONTENTS

15 AUGUST 2016

Roles of biochar in improving phosphorus availability in soils: A phosphate adsorbent and a source of available phosphorus H. Zhang, C. Chen, E.M. Gray, S.E. Boyd, H. Yang and D. Zhang	1
Properties of a clay soil from 1.5 to 3.5 years after biochar application and the impact on rice yield M.T.M. Carvalho, B.E. Madari, L. Bastiaans, P.A.J. van Oort, W.G.O. Leal, A.B. Heinemann, M.A.S. da Silva, A.H.N. Maia, D. Parsons and H. Meinke	7
Decreases in the bioconcentration of triclosan in wheat plants according to increasing amounts of biosolids added to soil L. Jachero, I. Ahumada, E. Fuentes and P. Richter	19
Organic matter addition can prevent acidification during oxidation of sandy hypersulfidic and hyposulfidic material: Effect of application form, rate and C/N ratio C. Yuan, L.M. Mosley, R. Fitzpatrick and P. Marschner	26
Alteration of physical and chemical characteristics of clayey soils by irrigation with treated waste water M.A. Ghabraibeh, T.A. Ghezzehei, A.A. Albalasmeh and M.Z. Alghzawi	33
National calibration of soil organic carbon concentration using diffuse infrared reflectance spectroscopy M. Clairotte, C. Grinand, E. Kouakoua, A. Thébault, N.P.A. Saby, M. Bernoux and B.G. Barthès	41
Effect of beech (<i>Fagus sylvatica</i> L.) rhizosphere on phosphorous availability in soils at different altitudes (Central Italy) M. De Feudis, V. Cardelli, L. Massaccesi, R. Bol, S. Willbold, S. Cocco, G. Corti and A. Agnelli	53
Assessment of soil health indicators for sustainable production of maize in smallholder farming systems in the highlands of Cameroon B. Takoutsing, J. Weber, E. Aynekulu, J.A. Rodríguez Martín, K. Shepherd, A. Sila, Z. Tchoundjeu and L. Diby	64
Assessment of evaluation methods using infiltration data measured in heterogeneous mountain soils L. Jačka, J. Pavlásek, P. Pech and V. Kuráž	74
Using legacy data for correction of soil surface clay content predicted from VNIR/SWIR hyperspectral airborne images C. Gomez, A. Gholizadeh, L. Borůvka and P. Lagacherie	84
Hydraulic properties of karst fractures filled with soils and regolith materials: Implication for their ecohydrological functions J. Yang, Y. Nie, H. Chen, S. Wang and K. Wang	93