

Switchgrass biochar effects on plant biomass and microbial dynamics in two soils from different regions Charlene N. KELLY, Francisco C. CALDERÓN, Verónica ACOSTA-MARTÍNEZ, Maysoon M. MIKHA, Joseph BENJAMIN, David W. RUTHERFORD and Colleen E. ROSTAD	329
Effect of intensive greenhouse vegetable cultivation on selenium availability in soil FU Ming-Ming, HUANG Biao, JIA Meng-Meng, HU Wen-You, SUN Wei-Xia, D. C. WEINDORF and CHANG Qing	343
Cultivable microfungus communities inhabiting biological soil crusts in the Tengger Desert, China Isabella GRISHKAN, JIA Rong-Liang, Giora J. KIDRON and LI Xin-Rong	351
Fertilization and catch crop strategies for improving tomato production in North China YUAN Hui-Min, Martin BLACKWELL, Clive RAHN and CHEN Qing	364
UV/Vis characterization and fate of organic amendment fractions in a dune soil in Dakar, Senegal Silwan DAOUK, Mohammad HASSOUNA, Anne GUEYE-GIRARDET, Seydou NIANG and Hans-Rudolf PFEIFER	372
Effects of long-term groundwater management and straw application on aggregation of paddy soils in subtropical China YIN Li-Chu, ZHANG Lei, YI Ya-Nan and LUO Lan-Fang	386
Urban park soil and vegetation: Effects of natural and anthropogenic factors Pariante SARAH, Helena Michaela ZHEVELEV and Atar OZ	392
Adsorption of phosphate onto ferrihydrite and ferrihydrite-humic acid complexes WANG Hui, ZHU Jun, FU Qing-Ling, XIONG Jun-Wei, HONG Can, HU Hong-Qing and Antonio VIOLANTE	405
Geochemical characteristics of trace elements in argillans of Alfisols in Central China HUANG Li, LIU Fan, TAN Wen-Feng and WANG Ming-Kuang	415
Effects of phosphate-solubilizing bacteria, rock phosphate and chemical fertilizers on maize-wheat cropping cycle and economics Gurdeep KAUR and Mondem Sudhakara REDDY	428
Effect of farming practices on the variability of phosphorus status in intensively managed soils SUN Wei-Xia, HUANG Biao, QU Ming-Kai, TIAN Kang, YAO Li-Peng, FU Ming-Ming and YIN Li-Ping	438
Effect of long-term fertilization on soil productivity on the North China Plain WANG Jing-Yan, YAN Xiao-Yuan and GONG Wei	450
Osmotic adjustment of soil biocrust mosses in response to desiccation stress ZHAO Xin, SHI Yong, LIU Yang, JIA Rong-Liang and LI Xin-Rong	459
Soil wetting patterns and water distribution as affected by irrigation for uncropped ridges and furrows ZHANG Yong-Yong, ZHAO Xi-Ning and WU Pu-Te	468
Protection methods to reduce nitrogen and phosphorus losses from sloping citrus land in the Three Gorges area of China XIA Li-Zhong, LIU Guo-Hua, WU Yong-Hong, MA Li and LI Yun-Dong	478