

Effect of additional carbonates on CO ₂ emission from calcareous soil during the closed-jar incubation DONG Yan-Jie, CAI Miao, LIANG Bin and ZHOU Jian-Bin	137
Contamination, fractionation and availability of metals in urban soils in the vicinity of former lead and zinc smelters, France C. WATERLOT, G. BIDAR, A. PELFRÊNE, H. ROUSSEL, H. FOURRIER and F. DOUAY.....	143
<i>Bacillus cereus</i> X5 enhanced bio-organic fertilizers effectively control root-knot nematodes (<i>Meloidogyne</i> sp.) XIAO Tong-Jian, CHEN Fang, GAO Chao, ZHAO Qing-Yun, SHEN Qi-Rong and RAN Wei	160
Changes in soil physicochemical properties following land use change from paddy fields to greenhouse and upland fields in the southeastern basin of Dianchi Lake, Yunnan Province, China N. MORITSUKA, T. NISHIKAWA, S. YAMAMOTO, N. MATSUI, H. INOUE, LI Kun-Zhi and T. INAMURA.....	169
Combined use of alkaline slag and rapeseed cake to ameliorate soil acidity in an acid tea garden soil WANG Lei, YANG Xing-Lun, K. RACHEL, WANG Yu, TONG De-Li, YE Mao and JIANG Xin	177
Time-dependent zinc desorption in some calcareous soils of Iran M. BARANIMOTLAGH and M. GHOLAMI	185
Quantitative assessment of soil health under different planting patterns and soil types BI Chun-Juan, CHEN Zhen-Lou, WANG Jun and ZHOU Dong	194
Role of carbon substrates added in the transformation of surplus nitrate to organic nitrogen in a calcareous soil QIU Shao-Jun, JU Xiao-Tang, J. INGWERSEN, GUO Zi-De, C. F. STANGE, R. BISHARAT, T. STRECK, P. CHRISTIE and ZHANG Fu-Suo	205
Lipid peroxidation and antioxidative enzymes of two turfgrass species under salinity stress R. XU, M. YAMADA and H. FUJIYAMA	213
Contribution of root respiration to total soil respiration in a cotton field of northwest China ZHAO Zhi-Min, ZHAO Cheng-Yi, Y. YILHAMU, LI Ju-Yan and LI Jun	223
Movement of phosphorus in a calcareous soil as affected by humic acid DU Zhen-Yu, WANG Qing-Hua, LIU Fang-Chun, MA Hai-Lin, MA Bing-Yao and S. S. MALHI	229
Soil aeration variability as affected by reoxidation A. WOLIŃSKA and Z. STĘPNIEWSKA	236
Evaluation of spatiotemporal dynamics of simulated land use/cover in China using a probabilistic cellular automata-Markov model CHEN Xu, YU Shi-Xiao and ZHANG Ya-Ping	243
Effect of drainage ditch layout on nitrogen loss by runoff from an agricultural watershed ZHANG Zhan-Yu, KONG Li-Li, ZHU Lei and R. M. MWIYA.....	256
Adsorption and desorption of mercury(II) in three forest soils in Shandong Province, China XUE Tong, WANG Ren-Qing, ZHANG Meng-Meng and DAI Jiu-Lan	265