

(Abstracted/Indexed in: AGI's Bibliography and Index of Geology; Biological Abstracts; Biosis; Bulletin Signalétique; Chemical Abstracts/CAS; Current Contents/Agriculture, Biology & Environmental Sciences; Elsevier BIOBASE/Current Awareness in Biological Sciences; Environmental Periodicals Bibliography; Embiology; GEOBASE; Irrigation, Drainage Abstracts; PASCAL; Science Citation Index; SciSearch; Soils and Fertilizers). Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

Aug-MIA-SPR/PLS-DA classification of carbonyl herbicides according to levels of soil sorption M.R. Freitas, S.J. Barigye, J.K. Daré and M.P. Freitas	1
Rootable depth controls height growth of <i>Pinus halepensis</i> Mill. in gypsiferous and non-gypsiferous soils J.R. Olarieta, R. Rodríguez-Ochoa, E. Ascaso and M. Antúnez	7
Changes in soil organic carbon pools along a chronosequence of land abandonment in southern Spain S. Trigalet, M.A. Gabarrón-Galeote, K. Van Oost and B. van Wesemael	14
Can the sequestered carbon in agricultural soil be maintained with changes in management, temperature and rainfall? A sensitivity assessment Z. Luo, E. Wang and R.A. Viscarra Rossel	22
Modeling water and isoproturon dynamics in a heterogeneous soil profile under different urban waste compost applications V. Filipović, Y. Coquet, V. Pot, S. Houot and P. Benoit	29
How do the heterotrophic and the total soil respiration of an oil palm plantation on peat respond to nitrogen fertilizer application? L.-P. Comeau, K. Hergoualc'h, J. Hartill, J. Smith, L.V. Verchot, D. Peak and A.M. Salim	41
Relationship between soil aggregate strength, shape and porosity for soils under different long-term management L.J. Munkholm, R.J. Heck, B. Deen and T. Zidar	52
Competitive sorption of cadmium and zinc in contrasting soils H. Ming, R. Naidu, B. Sarkar, D.T. Lamb, Y. Liu, M. Megharaj and D. Sparks	60
Implications of surface properties for dust emission from gravel deserts (gobis) in the Hexi Corridor Z. Zhang, Z. Dong, J. Li, G. Qian and C. Jiang	69
Mobility of Ni, Cr and Co in serpentine soils derived on various ultrabasic bedrocks under temperate climate J. Kierczak, A. Pędziwiatr, J. Waroszewski and M. Modelska	78
Recursive variable selection to update near-infrared spectroscopy model for the determination of soil nitrogen and organic carbon S. Jia, H. Li, Y. Wang, R. Tong and Q. Li	92
Mapping of soil sealing by vegetation indexes and built-up index: A case study in Madrid (Spain) P. García and E. Pérez	100
Using multiple composite fingerprints to quantify fine sediment source contributions: A new direction X.C.(J.) Zhang and B.L. Liu	108
Microbial genetic and enzymatic responses to an anthropogenic phosphorus gradient within a subtropical peatland E. Morrison, S. Newman, H.S. Bae, Z. He, J. Zhou, K.R. Reddy and A. Ogram	119

Revisiting the K_d distribution coefficient concept through stringent geochemical modeling: Application to agronomical models under wastewater reclamation context	
M. Pettenati, N. Surdyk, L. Cary and W. Kloppmann	128
On boron turnover in plant–litter–soil system	
F.S. Kot, R. Farran, K. Fujiwara, G.V. Kharitonova, M. Kochva, A. Shaviv and T. Sugo	139
Characterizing typical farmland soils in China using Raman spectroscopy	
Z. Xing, C. Du, Y. Zeng, F. Ma and J. Zhou	147
Changes in the pathway and the intensity of albic material genesis: Role of agricultural practices	
D. Montagne, I. Cousin and S. Cornu	156
Pitfalls in the use of middle-infrared spectroscopy: representativeness and ranking criteria for the estimation of soil properties	
B. Ludwig, D. Linsler, H. Höper, H. Schmidt, H.-P. Piepho and M. Vohland	165