

Predicting regolith thickness in the complex weathering setting of the central Mt Lofty Ranges, South Australia J. Wilford and M. Thomas	1
Truncated fractal modeling of H ₂ O-vapor adsorption isotherms H. Millán, E. Govea-Alcaide and I. García-Fornaris	14
Soil extractable carbon and nitrogen, microbial biomass and microbial metabolic activity in response to warming and increased precipitation in a semiarid Inner Mongolian grassland X. Zhou, C. Chen, Y. Wang, Z. Xu, J. Duan, Y. Hao and S. Smaill	24
Impacts of adding biochar on nitrogen retention and bioavailability in agricultural soil H. Zheng, Z. Wang, X. Deng, S. Herbert and B. Xing	32
Seasonal changes in microbial activity in a semiarid soil after application of a high dose of different organic amendments I. Jorge-Mardomingo, P. Soler-Rovira, M.Á. Casermeiro, M.T. de la Cruz and A. Polo	40
Intra and inter-annual variability of runoff and sediment yield of an olive micro-catchment with soil protection by natural ground cover in Southern Spain E.V. Taguas, J.L. Ayuso, R. Pérez, J.V. Giráldez and J.A. Gómez	49
Wettability of mineral soils M. Hajnos, A. Calka and G. Jozefaciuk	63
Modeling the effect of antecedent soil water storage on water and heat status in seasonally freezing and thawing agricultural soils R. Li, H. Shi, G.N. Flerchinger, C. Zou and Z. Li	70
Molecular characterization of lipid fractions from extremely water-repellent pine and eucalyptus forest soils E. de Blas, G. Almendros and J. Sanz	75
Modelling the pH dependency of dissolved calcium and aluminium in O, A and B horizons of acid forest soils P. Gruba, J. Mulder and S. Brožek	85
Classification and distribution of soils with lamellae in the USA J.G. Bockheim and A.E. Hartemink	92
Reaction conditions control soil colloid facilitated phosphorus release in agricultural Ultisols A.R. VandeVoort, K.J. Livi and Y. Arai	101
Modelling trace metal background to evaluate anthropogenic contamination in arable soils of south-western France P.-O. Redon, T. Bur, M. Guisresse, J.-L. Probst, A. Toiser, J.-C. Revel, C. Jolivet and A. Probst	112
Spatial and seasonal variations in soil and river water mercury in a boreal forest, Changbai Mountain, Northeastern China S. Wang, D. Xing, Z. Wei and Y. Jia	123