

REVIEW

- WANG X.W., YANG Y.Z., LV J.L., HE H.L.: Past, present and future of the applications of machine learning in soil science and hydrology 67

ORIGINAL SCIENTIFIC PAPERS

- MURŠEC M., LEVEQUE J.: $\delta^{13}\text{C}$ as a tool to determine the origin of soil organic carbon: Case study of a restored sloping orchard 81
- TIAN Z., ZHANG S.P., XU Q.X., BI M.F., HE J.H.: Influence of *Paulownia fortunei* (Seem.) Hemsl. roots on preferential flow in the red soil hilly region 89
- TARANCÓN-ANDRÉS E., SANTAMARIA-PEÑA J., ARANCÓN-PÉREZ D., MARTÍNEZ-CÁMARA E., BLANCO-FERNÁNDEZ J.: Detection of high erosion risk areas and their incorporation into environmental impact assessment 102
- ZHANG G.H., YANG W.J., HU J.J., LIU J.G., DING W.F., XIAO H.: Soil resistance to flowing water erosion as affected by tea planting age in Three Gorges Reservoir Area of China 116
- KABELKA D., KINCL D., VOPRAVIL J., BRYCHTA J., BAČOVSKÝ J.: Measuring of infiltration rate in different types of soil in the Czech Republic using a rainfall simulator 128