## ORIGINAL SCIENTIFIC PAPERS

FEDOROVÁ D., BAČINOVÁ H., KOVÁŘ P.: Use of terraces to reduce overland flow and soil erosion, comparison of the HEC-HMS model and the KINFIL model application	195
AKBAS F., GUNAL H., ACIR N.: Spatial variability of soil potassium and its relationship to land use and parent material	202
MUJIYO M., SUNARMINTO B.H., HANUDIN E., WIDADA J., SYAMSIYAH J.: Methane production potential of soil profile in organic paddy field	212
ZHANG S., LIU Y., ZHANG J., LIU Y.: Simulation study of anisotropic flow resistance of farmland vegetation	220
Demková L., Jezný T., Bobueská L.: Assessment of soil heavy metal pollution in a former mining area – before and after the end of mining activities	229
CHENG C., ZHAO D., Lv D., Li S., Du G.: Comparative study on microbial community structure across orchard soil, cropland soil, and unused soil	237
EL GHAZALI G.E.B., AL-SOQEER A.R.A., ABDALLA W.E.: Effect of treated sewage effluents on plant cover and soil at Wadi Al Rummah, Qassim Region, Saudi Arabia	246
INDEX OF VOLUME 12	I