

# *Soil and Water Research*

**Volume 9, No. 4**

**2014**

## **CONTENTS**

|   |     |
|---|-----|
| KOVÁŘ P., PELIKÁN M., HEŘMANOVSKÁ D., VRANA I.: How to reach a compromise solution<br>on technical and non-structural flood control measures .....  | 143 |
| ŽÍGOVÁ A., ŠŤASTNÝ M.: Pedogenesis on volcanic rocks in protected landscape areas in Central<br>and North Bohemia .....   | 153 |
| BÁTKOVÁ K., MATULA S., MIHÁLIKOVÁ M., CHALA A.T., MOREIRA BARRADAS J.M., MEKONEN G.B.:<br>Testing of activated carbon for water and non-volatile LNAPL quantitative determination<br>in porous media under laboratory conditions .....              | 161 |
| LAMAČOVÁ A., HRUŠKA J., KRÁM P., STUCHLÍK E., FARDA A., CHUMAN T., FOTTOVÁ D.: Runoff trends<br>analysis and future projections of hydrological patterns in small forested catchments .....   | 169 |
| WALEGA A., MICHALEC B.: Characteristics of extreme heavy precipitation events occurring in the area<br>of Cracow (Poland) .....   | 182 |
| HOLUBÍK O., PODRÁZSKÝ V., VOPRAVIL J., KHEL T., REMEŠ J.: Effect of agricultural lands afforestation<br>and tree species composition on the soil reaction, total organic carbon and nitrogen content<br>in the uppermost mineral soil profile ..... | 192 |
| SAMEC P., KUČERA A., TUČEK P.: Fluctuations in the properties of forest soils in the Central European<br>highlands (Czech Republic) .....   | 201 |
| JANKŮ J., KUČEROVÁ D., HOUŠKA J., KOZÁK J., RUBEŠOVÁ A.: The evaluation of degraded land<br>by application of the contingent method .....   | 214 |
| SEPEHRI S., HEIDARPOUR M., ABEDI-KOUPAI J.: Nitrate removal from aqueous solution using<br>natural zeolite-supported zero-valent iron nanoparticles .....   | 224 |
| INDEX OF VOLUME 9 .....   | I   |