



CONTENTS

- Source identification of heavy metals in atmospheric dust using *Platanus orientalis* L. leaves as bioindicator** 144
Samira Norouzi, Hossein Khademi
- Assisted bioremediation tests on three natural soils contaminated with benzene** 153
Maria Manuela Carvalho, Maria Cristina Vila, Cristina Delerue-Matos, Maria Teresa Oliva-Teles, António Fiúza
- Effects of poultry litter biochar on soil enzyme activities and tomato, pepper and lettuce plants growth** 161
Muhittin Onur Akça, Ayten Namli
- Depth function of manganese (Mn) concentration in soil solutions: Hydropedological translocation of trace elements in stratified soils** 169
Martin Reiss, Peter Chiffard
- Predicting the yield and quality of winter wheat grown on calcareous chernozem in the lower Don Region** 178
Olga Biryukova, Ivan Elnikov, Dmitry Bozhkov, Tatiana Minkina
- Effects of rice husk compost application on soil quality parameters in greenhouse conditions** 185
Zeynep Demir, Coşkun Gülser
- The contact angle of wetting of the solid phase of soil before and after chemical modification** 191
Tyugai Zemfira, Evgeny Milanovskiy
- Rheological properties of different minerals and clay soils** 198
Dolgor Khaydapova, Evgeny Milanovskiy, Evgeny Shein
- Temperature and water potential of grey clays in relation to their physical, chemical and microbiological characteristics and phytocoenology within the scope of the Radovesice Dump** 203
Lenka Zoubková, Iva Roubíková, Jiří Šefl, Ivana Rybářová, Petr Banýr
- Central Russia agroecosystem monitoring with CO₂ fluxes analysis by eddy covariance method** 211
Jouliia Meshalkina, Alexis Yaroslavtsev, Ilya Mazirov, Miljan Samardzic, Riccardo Valentini, Ivan Vasenev