

Contents

Dominika Bar-Michalczyk, Tomasz Michalczyk, Stanisław Witczak, Anna J. Żurek Evaluating the HYPE model for estimating groundwater recharge in a groundwater dominated catchment in Poland	171
Tomisław Gołębiowski, Bogdan Żogała, Maciej Mendecki, Tomasz Małysa The application of electromagnetic methods for polymetallic prospecting in mining conditions	181
Tomasz Maćkowski, Krzysztof Kwolek, Wojciech Górecki The potential for locating hydrocarbon traps in the Rotliegend formation, based on the results of experimental seismic surveys	191
Krzysztof Jarzyna, Joanna Krupa, Artur Zieliński The use of archived precipitation data in the assessment of soil erosion risk in the Świętokrzyskie Province of central-southern Poland	201
Monika Okońska, Mariusz Kaczmarek, Piotr Małoszewski, Marek Marciniak The verification of the estimation of transport and sorption parameters in the MATLAB environment. A column test	213
Olusegun Adebayo Phillips, Adenike Omotayo Falana, Adegboyega Joel Adebayo The geochemical composition of sediment as a proxy of provenance and weathering intensity: a case study of Southwest Nigeria's Coastal Creeks	229
Małgorzata Słota-Valim, Krzysztof Sowiżdżał, Halina Jędrzejowska-Tyczkowska Geomechanical modelling of Paleozoic Shale Gas Formation: a case study from the Baltic Basin, northern Poland	249
INSTRUCTIONS FOR THE AUTHORS	271