

# Contents

<b>Łukasz Wojtecki, Krzysztof Krawiec, Mateusz Ćwiękała, Grażyna Dzik</b> An attempt to determine the cause of the strong tremor responsible for a rockburst in a hard coal mine based on numerical modeling and spectral parameters	323
<b>Paulina Kostrz-Sikora</b> An investigation of rare earth elements in sewage sludge generated in Poland	341
<b>Paulina I. Krakowska-Madejska, Edyta Puskarczyk, Krzysztof Starzec, Jadwiga A. Jarzyna, Marek Stadtmüller</b> Structure recognition and fluid flow potential based on well data and geological field investigations. A case study of the Istebna Beds, Silesian Unit, Carpathians	357
<b>Ban To Xuan, Giang Nguyen Khac, Tran Van Duc, Dung Le Tien</b> Deposit potential and distribution of cobalt and nickel in the sludge of chromite placer mining process at Nui Nua ultramafic massif area, Thanh Hoa province, Vietnam	383
<b>Bartosz Mikoda, Anna Potysz, Marcin Siepak, Ewa Kmiecik</b> The valorization of flotation tailings in terms of the concept of the circular economy: characterization, environmental risk assessment, and waste utilization routes	401
<b>Urszula Aleksander-Kwaterczak, Jakub Andrzejk, Anna Świerczecka, Konrad Lukaj</b> Arsenic in water from the Bystre Thrust-Sheet (Outer Carpathians, Poland): Geological and environmental implications	421
INSTRUCTIONS FOR THE AUTHORS	443
LIST OF THE REVIEWERS	445