

(oral presentation - R, poster - p)

2018

9th Mid-European Clay Conference

Removal of chromates and arsenates by halloysite-LDH composites (R)

Mg-Fe LDH derived from magnesite and hematite and its affinity towards sulphates (R)

2019

XX International Conference of Young Geologist

Mg/Al LDH formation via transformation of minerals through the AlCl₃ hydrolysis (R)

EuroClay

Halloysite-LDH heterostructured materials: performance in removal of selected anions from aqueous solutions (p)

Physico-chemical studies of Mg/Fe and Mg/Al Layered Double Hydroxides obtained via transformation of minerals (p)

9th European Conference on Mineralogy and Spectroscopy

The effect of M(II)/M(III) molar ratio on the LDH structure derived from chemicals and minerals: a spectroscopic study using FTIR, Raman and XPS (R)

IV Konferencja Naukowo-Techniczna - Sorbenty Mineralne

Characterization of hydrotalcite/pyroaurite-like anion adsorbents derived from magnesite and dolomite (R)

2020

57th Annual Meeting of the Clay Minerals Society

Mg/Al LDH obtained via transformation of minerals for the removal of selected elements from acidic and alkaline wastewaters (R)

Different approaches to transformation of selected minerals into layered double hydroxides (p)

XXI International Conference of Young Geologists

Efficiency of selected anions removal by Mg/Al and Mg/Fe LDH obtained with different sources of Mg (R)

2021

6th international conference on Water pollution and treatment

The efficiency and stability of Mg/Al and Mg/Fe as mineral-based adsorbents for the removal of Cr(VI) and Se(VI) from wastewaters (R)

Sustainable Minerals'21

Mineral-based adsorbents for wastewater treatment – the kinetics study of Cr(VI) and Se(VI) adsorption in the presence of sulphates and nitrates by Mg/Al and Mg/Fe layered double hydroxides (R)

2022

Goldschmidt conference

As(V) scavenging from artificial and real wastewaters by mineral-derived Mg/Al and Mg/Fe LDH materials (p)

Al- and Fe-bearing layered double hydroxides as effective adsorbents of aqueous V(V): the effect of brucite-like layer and interlayer chemistry (p)

XVII International Clay Conference

LDH-containing materials derived from minerals: from technical aspects of synthesis to the application in As(V) removal (R)

Hydrotalcite-zeolite heterocoagulated materials: towards materials with dual adsorption properties (p)

The characteristics of V(V) and P(V) adsorption by Mg/Al and Mg/Fe LDH derived from magnesite and chemicals: kinetics, pH influence and competition with common anions (p)

XX Mid-European Clay Conference

Kaolinite madness - 1:1 layered structure which reveals its potential for synthesis of next generation materials (wykład plenarny)

The mechanisms of V(V) interactions with Mg/Al and Mg/Fe LDH with various interlayer anions (R)

Simultaneous removal of As(V) and safranin O dye by Mg/Al LDH-zeolite heterocoagulated materials in static and dynamic conditions (p)