

CURRENT CONTENTS PAPERS:

1. Zikmund, M.; Horváthová, E.; Plesch, G.: Synthesis and properties of tetraethylammonium bromo-trichloro-bis (tetrahydrofuran) titanate (III), Chem. Papers 34 (5), pp. 626 - 629, 1980.
2. Horváthová, E.: Ionselektiver Austausch an Slowakischem Klinoptilolith tuffit in Ammoniumabwasser, Acta hydrochimica et hydrobiologica 14 (5), pp. 495 - 502, 1986.
3. Chmielewská - Horváthová, E.; Konečný, J; Bošan, Z. : Ammonia Removal from Tannery Waste-waters by Selective Ion Exchange on Slovak Clinoptilolite, Acta hydrochimica et hydrobiologica 20 (5), pp. 269 - 272, 1992.
4. Chmielewská - Horváthová, E.; Lesný, J.: Adsorption of Cobalt on some Natural Zeolites occuring in ČSFR, Journal of Radioanal. and Nuclear Chem. Letters 166 (1), pp. 41 - 53, 1992.
5. Chmielewská - Horváthová, E.; Lesný, J.: Investigation of Iodide Adsorption on the Surface of Chemically Pretreated Clinoptilolite, Journal of Radioanal. and Nuclear Chem. Letters, 200 (4), pp. 351 - 363, 1995.
6. Chmielewská - Horváthová, E.; Lesný, J.: Study of the Sorption Equilibria in the Systems: Water Solution of Inorganic Ions - Clinoptilolite, Journal of Radioanal. and Nuclear Chem. - Letters 201 (4), pp. 293 - 301, 1995.
7. Chmielewská, E.; Nussbaum, M.; Billmeier, H.: Bioremediation of Soil Contaminated with Gasoline and other light Fractions of Petroleum Hydrocarbons, Chem. Listy 90, pp. 825 - 828, 1996.
8. Chmielewská, E.; Nussbaum, M. T.; Szytenchelm, R.: An attempt to implement soil washing for Central Europe cleanup activities, Chem. Listy 91, pp. 438 - 443, 1997.
9. Chmielewská - Horváthová, E.; Lesný, J.: Pollutant Immobilization in Columns of Ag-clinoptilolite, Journal of Radioanal. and Nuclear Chem. Letters 214 (3) 209 - 221, 1996.
10. Chmielewská, E.; Lesný, J.: A natural ion exchange media for radioactive ⁵⁹Fe fallout abatement, Journal of Radioanal. and Nuclear Chem. - Letters 223 (1-2) 243 - 245, 1997.
11. Chmielewská-Horváthová, E., Lesný, J.: The interaction mechanisms between aqueous solutions of ¹³⁷Cs and ¹³⁴Ba radionuclides and local natural zeolites for a deactivation scenario, Journal of Radioanal. and Nuclear Chemistry Letters 227 (1 - 2) 151 - 155, 1998.
12. Chmielewská, E.; Medved', J.; Kaderová, E.: A study of heavy metal accumulation in earthworms exposed to immissions along the south - eastern side of Slovnaft refinery, Ekológia (Bratislava), Vol.17, No. 4, pp. 99 - 107, 1998.
13. Chmielewská, E.; Medved', J.: Bioaccumulation of heavy metals by green algae *Cladophora glomerata* at refinery sewage lagoon, Croatica Chemica Acta 74, 1, pp. 135 - 145, 2001.

14. Medveď, J.; Kubová, J.; Chmielewská, E.; Streško, V.: Evaluation of sample pre-treatment procedures for the determination of Cr, Ni and V in biological matrices by ETAAS, *Turkish J. of Chemistry* 25, 3, pp. 323 – 331, 2001.
15. Chmielewská, E.; Šamajová, E.; Kozáč, J.: A comparative Study for basic Characterization of three Clinoptilolite Specimens, *Turkish Journal of Chemistry* 26, 2, pp. 281 – 286, 2002.
16. Chmielewská, E.: Adsorption of arsenate and chromate from waters on hydrophobized zeolitic media, *Turk. Journal of Chemistry* 27, 5, pp. 639-648, 2003.
17. Reháková, M.; Chmielewská, E.; Nagyová, S.: Study of organo-modified forms of natural zeolite of the clinoptilolite type, *Solid State Phenomena* 90-91, pp. 411-416, 2003.
18. Pilchowski, K.; Chmielewská, E.: Adsorptive Separation of 1,2-Dichloroethane from Model Waste Water on Natural Clinoptilolite, *Acta hydrochimica et hydrobiologica* 31,3, pp. 249 - 252, 2003.
19. Chmielewská, E.; Jesenák, K.; Gáplovská, K.: Arsenate and chromate removal on cationic surfactant-loaded and cation-exchanged clinoptilolite rich tuff vs. montmorillonite, *Collection of Czechoslovak Chemical Communications* 68, 4, pp.823-836, 2003.
20. Medveď, J., Streško, V., Kubová, J., Chmielewská, E.: Evaluation of Atomic Spectrometry Methods for Determination of Some Heavy Metals in Soils, Soil Extracts, Plants, and Biota, *Chem. Papers* 57 (3) 169-171, 2003.
21. Chmielewská, E., Pilchowski, K.: Surface modifications of natural clinoptilolite dominated zeolite for phenolic pollutant mitigation, *Chemical Papers* 60(2) 1-4, 2006.
22. Chmielewská, E.: Vývoj novej generácie environmentálnych adsorbentov a biokompozitov na báze prírodných nanomateriálov, *Chemické Listy* 102, 124-130, 2008.
23. Chmielewská, E.; Sabová, L.; Jesenák, K.: Study of Adsorption Phenomena ongoing onto clinoptilolite with the immobilized interfaces, *J. Thermal Analysis and Calorimetry* 92 (2) 567 - 571, 2008.
24. Chmielewská, E., Sabová, L., Gáplovská, K., Čaplovičová, M.: Functionally graded mesoporous zeolitic adsorbents in order to promote the pollutants removal, *Kuwait J. Sci. Eng.* 35 (2B) pp. 1-15, 2008.
25. Sabová, E., Chmielewská, E., Gáplovská, K.: Priprava a využitie kombinovaných adsorbentov na zeolitovej báze pri odstraňovaní oxyaniónových polutantov z vôd, *Chem. Listy* 104, pp.243-250, 2010.
26. Chmielewská, E., Sabová, L., Sitek, J., Gáplovská, K., Morvová, M.: Removal of nitrates, sulfate and Zn(II) ions from aqueous solutions by using biopolymeric alginate/clinoptilolite rich tuff pellets, *Fresenius Environmental Bulletin* 19, 5, 884-891, 2010.
27. Chmielewská, E., Sabová, L., Peterlik, H., Wu, A.: Batch-wise adsorption, SAXS and microscopic studies of zeolite pelletized with biopolymeric alginate, *Brazilian J. Chem.*

Eng. 28, 01, 63-71, 2011 (60%,30%,5%,5%).

28. Chmielewská, E.: Natural Zeolite – A versatile commodity - Some retrospectives in water cleanup processes, *Desalination and Water Treatment* 41, 335-341 (2012).
29. Chmielewská, E., Lesný, J.: Selective ion exchange onto Slovakian natural zeolites in aqueous solutions, *J. Radioanal. Nuclear Chemistry* 293, 535 - 543 (2012).
30. Chmielewská, E., Hodossyová, R.: Removal of phosphate from aqueous solutions. Kinetics, Thermodynamics and Isotherm calculations, *Fresenius Environmental Bulletin* 22, 2a, 598-603 (2012).
31. Chmielewská, E., Hodossyová, R., Bujdoš, M.: Kinetic and thermodynamic studies for phosphate removal using natural adsorption materials, *Polish Journal of Environmental Studies* 22, 5, 1307-1316, 2013.
32. Chmielewská, E.: An Update of Water Cleanup onto Clinoptilolite rich Tuff - via the Past to the Present, *Fresenius Environmental Bulletin* 22, 10a, 3096-3102, 2013.
33. Chmielewská, E.: An approach to physical characterization of fundamental ion exchange and adsorption behaviours of tuffaceous minerals in aqueous solutions of some environmental pollutants, *J. Radioanal. Nuclear Chemistry* 298, 1023-1029, 2013.
34. Peng, X., Xu, F., Zhang, W., Wang, J., Zeng, C., Niu, M., Chmielewská, E.: Magnetic Fe₃O₄ @ silica-xanthan gum composites for aqueous removal and recovery of Pb²⁺, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 443, 27-36, 2014.
35. Chmielewská, E.: Zeolitic Adsorption in course of Pollutants Mitigation and Environmental Control, *J. Radioanal. Nuclear Chemistry* 299, 255-260, 2014.
36. Chmielewská, E.: Designing clinoptilolite-rich tuff columns for adsorptive filtration of water with enhanced ammonium concentration, *Fresenius Environmental Bulletin* 23, (5), 1277-1283, 2014.
37. Chmielewská, E., Hodossyová, R., Koval'aková, M., Urík, M.: Comparable phosphate adsorption onto some natural aluminosilicates vs. Fe-oxihydroxide, *Desalination and Water Treatment* 57, 16, 7387-7395, 2016.
38. Chmielewská, E., Tylus, W.: Adsorption of Al(III), Sb(III), chromate and halides onto some natural vs. commercial materials, *J. Radioanal. Nuclear Chemistry* 308, 887-893, 2016.
39. Chmielewská, E.: Biomimetika – synergia fyziologických procesov z prírody a súčasného biomolekulárneho inžinierstva pri vývoji proenvironmentálnych adsorbentov, *Chemické Listy* 110, 563-569 (2016).
40. Chmielewská, E., Tylus, W., Drábik, M., Majzlan, J., Kravčák, J., Williams, C, Čaplovičová, M., Čaplovič, Ľ.: Structure investigation of nano-FeO(OH) modified clinoptilolite tuff for antimony removal, *Microporous Mesoporous Materials* 248, 222 – 233, 2017.

41. Chmielewská, E., Tylus, W.: A potential refinement of water endangered with Zn-65 onto modified zeolite, *J. Radioanal. Nuclear Chemistry* 327, 31-37, 2021.
42. Chmielewská, E., Tylus, W., Bujdoš, M.: Study of mono- and bimetallic Fe and Mn oxides supported clinoptilolite for improved Pb(II) removal, *Molecules* 26, 4143, 1-14, Basel, Switzerland 2021.