

## List of publications

### **Marta Valášková (Chmielová)**

1. Valášková M., Barabaszová K., Hundáková M., Ritz M., Plevová E.: Effects of brief milling and acid treatment on two ordered and disordered kaolinite structures. *Applied Clay Science* 54 (2011) 70-76.
2. Valaskova Marta; Hundakova Marianna; Kutlakova Katerina Mamulova; et al.: Preparation and characterization of antibacterial silver/vermiculites and silver/montmorillonites. *Geochimica et Cosmochimica Acta* 74 (2010) 6287-6300.
3. V. Matějka, M. Šupová, V. Klemm, D. Rafaja, M. Valášková, J. Tokarský, J. Lešková, E. Plevová: Vermiculite interlayer as a reactor for CdS ultrafine particles preparation. *Microporous and Mesoporous Materials* 129 (2010) 118-125.
4. Sylva Holešová, Marta Valášková, Eva Plevová, Erich Pazdziora, Kateřina Matějová: Preparation of novel organovermiculites with antibacterial activity using chlorhexidine diacetate. *Journal of Colloid and Interface Science* 342 (2010) 593-597.
5. J. Tokarsky, P. Čapkova, D. Rafaja, V. Klemm, M. Valaskova, J. Kukutschova, V. Tomasek: Adhesion of silver nanoparticles on the clay substrates: modeling and experiment. *Applied Surface Science* 256 (2010) 2841-2848.
6. Martynkova G. Simha; Buchtik O.; Plevova E.; Barabaszova K.; Holesova S; Valaskova M.: Vermiculite Filler for Polymeric Nanocomposites: Thermal and Dispersion Study. Conference: 1st Nanomaterials and Nanotechnology Meeting Location: Nano Ostrava, Czech Republic: SEP 01-04, 2008 in: *Journal of Scientific Conference Proceedings*, Vol. 2 , No. 1, pp. 42-44. Editor(s): Postava K; Lafdi K; Rummeli MH.
7. Valaskova Marta; Martynkova Grazyna Simha: Microporous Cordierite Ceramics Prepared from Clay Mineral Mixtures Containing Vermiculite. Conference: 1st Nanomaterials and Nanotechnology Meeting Location: Nano Ostrava, Czech Republic: SEP 01-04, 2008 in: *Journal of Scientific Conference Proceedings*, Vol. 2 , No. 1, 49-52. Editor(s): Postava K; Lafdi K; Rummeli MH.
8. Pazdziora E.; Matejova K.; Valaskova M.; et al.: Comparison of antibacterial and antiprotozoal effects of nanoparticles Zn<sup>2+</sup>, Cu<sup>2+</sup>, and Ag<sup>+</sup> intercalated on clay minerals. Book Group Author(s): TANGER Ltd. Conference: 2nd NANOCON International Conference. Location: Olomouc, CZECH REPUBLIC Date: OCT 12-14, 2010 Source: NANOCON 2010, 2ND INTERNATIONAL CONFERENCE Pages: 460-464.
9. Kovář P., Pospíšil M., Malý P., Klika Z., Čapková P., Horáková P., Valášková M.: Molecular modeling of surface modification of Wyoming and Cheto montmorillonite by methylene blue. *Journal of Molecular Modeling* 151 (2009) 391-1396.
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11. Valášková M., Simha Martynková G.: Preparation and characterization of porous cordierite for potential use in cellular ceramics. *Chemical Papers* 63 (2009) 445-449.
12. Valášková M., Simha Martynková G., Matějka V., Barabaszová K., Plevová E., Měřínská D.: Organovermiculite nanofillers in polypropylene. *Applied Clay Science* 43 (2009) 108-112.
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#### Chapters in books:

- (1) G.Simha Martynková, M.Valášková: Vermiculite in Nanocomposites, In:Encyclopedia of Nanoscience and Nanotechnology, 2nd Edition, (H.S.Nalwa, Ed.), 2011,Vol.25, pp. 119-145. American Scientific Publishers, ISBN: 1-58883-190-6.
- (2) G.Simha Martynková, M. Valášková: Modified Vermiculite and Kaolinite Precursors for Nanocomposites. In: Nanocomposites: Preparation, Properties and Performance. (Lorenzo H. Mancini and Christian L. Esposito, Eds.), 2008, pp. 225-239. ISBN: 978-1-60456-798-4.