

## Publications

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### Reviewed articles

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- Andrunik M.**, Wołowiec M., Wojnarski D., Zelek-Pogudz S., Bajda T. 2020. Transformation of Pb, Cd, and Zn minerals using phosphates. *Minerals*, **4**, 342.
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- Andrunik M.**, Bajda T. 2019. Modification of bentonite with cationic and nonionic surfactants: structural and textural features. *Materials*, **12**, 3772.
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- Tuchowska M.**, Wołowiec M., Solińska A., Kościelniak M., Bajda T. 2019. Organo-modified vermiculite: preparation, characterization, and sorption of arsenic compounds. *Minerals*, **9**, 483.
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- Wołowiec M., **Tuchowska M.**, Kudła P., Bajda T. 2019. Synthesis and characterization of cadmium chlorapatite  $Cd_5(PO_4)_3Cl$ . *Mineralogia*, **50**, 3-12.
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- Tuchowska M.**, Muir B., Kowalik M., Socha R.P., Bajda T. 2019. Sorption of molybdates and tungstates on functionalized montmorillonites: structural and textural features. *Materials*, **12**, 2253.
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- Tuchowska M.**, Rzepa G., Debiec-Andrzejewska K., Drewniak L., Bajda T. 2019. Immobilization of arsenic compounds by bog iron ores. *Desalination and Water Treatment*, **157**, 138–147.
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### Conference materials

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- Andrunik M.**, Bajda T. 2020. Structural and textural features of bentonite modified with mixed cationic and nonionic surfactants. *Goldschmidt Virtual 2020, 21–26 June 2020, Online*. <https://goldschmidt.info/2020/abstracts/abstractView?id=2020002747>
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- Andrunik M.**, Bajda T. 2020. Effect of surfactants adsorption on the structure of bentonite-based sorbents. *EGU General Assembly 2020, 4–8 May 2020, Online*. [doi.org/10.5194/egusphere-egu2020-7890](https://doi.org/10.5194/egusphere-egu2020-7890)
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- Andrunik M.**, Bajda T. 2019. Sorpcja atrazyny na minerałach ilastych modyfikowanych surfaktantami organicznymi – przegląd literatury. *Sorbenty Mineralne 2019: surowce, energetyka, ochrona środowiska, nowoczesne technologie, 16–17 września 2019, Jerzmanowice, Polska*. In: book of abstracts, Bajda T. (red), pp. 9–10.
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- Bajda T., **Tuchowska M.**, Muir B., Kowalik M., Socha R.P. 2019. Sorption of molybdates and tungstates on modified smectites. *EUROCLAY 2019: international conference on clay science and technology, 1-5 July, 2019, Paris, France*. In: book of abstracts, pp. 108.
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- Tuchowska M.**, Bajda T. 2019. Modification of bentonite with mixed cationic-nonionic surfactants. *EUROCLAY 2019: international conference on clay science and technology, 1-5 July, 2019, Paris, France*. In: book of abstracts, pp. 609.
- 
- Tuchowska M.**, Bajda T., Rzepa G., Dębiec K., Drewniak Ł. 2018. Batch and column sorption of As(V) onto bog iron ores. *Petrology in Narrow and Wide Perspective: 25 Years of Sessions of the Petrology Group of the Mineralogical Society of Poland, 25-28 October 2018, Brunów, Poland*. In: *Mineralogia – Special Papers*, **48**, 88 p.
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**Tuchowska M.**, Bajda T., Rzepa G., Dębiec K., Drewniak Ł. 2018. Competitive adsorption of As and heavy metals on bog iron ores. *GEOSYMPIOSIUM of Young Researchers SILESIA 2018, 12–14 September 2018, Istebna*. In: book of abstracts, Braclawska A. et al. (eds), e-ISBN: 978-83-951016-0-1. 57 p.

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**Tuchowska M.**, Bajda T. 2018. Bentonite modified with ionic-nonionic surfactants as a sorbent of pesticides. *XIX International Conference of Young Geologists, 05-07.04.2018, Herl'any, Slovakia*. In: *Mente et Malleo* ; ISSN 2454-096X. — 2018 [vol.] 2018.

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**Tuchowska M.**, Bajda T., Rzepa G., Dębiec K., Drewniak Ł., 2016. Arsenic interactions with bog iron ores – As(III) and As(V) adsorption–desorption study. *XVII International Conference of Young Geologists Herl'any 2015. Svaty Jur, Slovakia, 14–16 April, 2016*. In: *Geology, Geophysics and Environment* 42, 1, 133–134.

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Kraków, 16.12.2020