Curriculum Vitae

Personal Information	Name	Jakub Matusik	Gender	Male		
	Academic Title	Associate Professor				
	College	AGH University of Science and Technology, Kraków Faculty of Geology, Geophysics and Environmental Protection Department of Mineralogy, Petrography and Geochemistry				
	Discipline	Earth and related environmental sciences (mineralogy, chemical engineering)				
	Email	jmatusik@agh.edu.pl				
	Telephone (office)					
		AGH University of Science and Technology, Kraków				
	Mail Add.	Faculty of Geology, Geophysics and Environmental Protection				
		al. Mickiewicza 30, 30-059 Kraków, Poland				
	2015 - Habilitation in Earth Sciences (post-doctoral degree), discipline: geology.					
	AGH University of Science and Technology in Kraków, Poland					
	Faculty of Geology, Geophysics and Environmental Protection					
	Title of achievement: Synthesis, characterization and sorption properties					
	of hybrid mineral nanomaterials derived from kaolin group minerals					
	2010 - PhD in Earth Sciences, discipline: geology.					
	AGH University of Science and Technology in Kraków, Poland Faculty of Geology, Geophysics and Environmental Protection					
	PhD thesis title: Minerals from kaolin group as precursors of mineral nanotubes.					
Educational						
Background	2008 - Postgraduate certificate					
	Analytical chemistry in industry and environmental protection.					
	AGH University of Science and Technology in Kraków, Poland					
	Faculty of Materials Science and Ceramics (WIMiC)					
	2006 - MSc title					
	AGH University of Science and Technology in Kraków, Poland					
	Faculty of Geology, Geophysics and Environmental Protection					
	Branch: Mining and Geology, specialization: Applied Mineralogy					
	and Geochemistry					
	M.Sc. thesis: Effciency of cadmium phosphates crystallization depending					
	on the form of phosphates.					

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	• Leiviskä, T., Matusik, J., Muir, B., Tanskanen, J. (2017) Vanadium removal by organo-zeolites and iron-based products
	from contaminated natural water. Journal of Cleaner Production, 167, 589-600.
	• Koteja, A., Szczerba, M., Matusik, J. (2017) Smectites intercalated with azobenzene and aminoazobenzene: Structure
	changes at nanoscale induced by UV light. Journal of Physics and Chemistry of Solids, 111, 294–303.
	• Matusik, J. (2016) Halloysite-like structure via delamination of kaolinite. W: Nanosized Tubular Clay Minerals, Eds.:
	Peng Yuan, Antoine Thill, Faïza Bergaya. Elsevier. ISBN: 9780081002933, 409-428.
	• Matusik, J. (2016) Halloysite for adsorption and pollution remediation. W: Nanosized Tubular Clay Minerals, Eds.:
	Peng Yuan, Antoine Thill, Faïza Bergaya. Elsevier. ISBN: 9780081002933, 606-627.
	• Muir, B., Matusik, J., Bajda, T. (2016) New insights into alkylammonium-functionalized clinoptilolite and Na-Pl
	zeolite: structural and textural features. Applied Surface Science, 361, 242-250.
	• Koteja, A. and Matusik, J. (2015) Di- and triethanolamine grafted kaolinites of different structural order as adsorbents
	of heavy metals. Journal of Colloid and Interface Science, 455, 83-92.
	• 2020-2024 (Research grant FNP TEAM-NET)
	The use of fly ashes as precursors of functionalized materials for applications in environmental engineering, civil
	engineering and agriculture (Co-investigator) Principal Investigator: prof. Wojciech Franus.
	• 2018-2021 (Research grant NCN OPUS 14)
	Hydrotalcite-like mineral composites obtained by transformation of selected minerals as hybrid sorbents for the removal
	of anions from multi-element aqueous solutions (Principal Investigator).
	• 2017-2020 (Research grant NCN PRELUDIUM 11)
	Layered minerals doped with iron nanoparticles showing reductive and magnetic properties for the removal and separation
	of selected inorganic ions (Supervisor). Principal Investigator: Msc. Paulina Maziarz.
i i i i i i i i i i i i i i i i i i i	• 2017-2018 (Research grant - Innovation Incubator+)
	Production and application of a filter containing functionalized sorbent for the removal of volatile organic compounds
	(Co-investigator). Principal Investigator: Dr. Tomasz Bajda.
	• 2017-2020 (Research grant NCN/NCBR TANGO 2)
	Remediation technology of aquatic environments polluted with anionic forms of elements with the use of functionalized
	kaolinite sorbents (Principal Investigator).
	• 2015-2018 Research grant NCN OPUS
	Photoactive hybrid nanomaterials derived from layered minerals (Principal Investigator).
Professional	Clay Minerals Society (2010-now)
Membership	Mineralogical Society of Poland (2016-now)
wentbership	• Mineralogical Society of Poland (2016-now)
Potential Research	Adsorption of pollutants from waters, wastewaters, gases by using natural and synthetic minerals
Projects**	(clay minerals, layered double hydroxides, zeolites).

* Please list achievements of recent 5 years

** This CV is intended to match Chinese and Polish Scientists within SPUC member universities, and Potential Research Projects is intended to apply for

Sino-Polish or EU scientific cooperation projects.