

CV

Personal details:

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Educational background:

Present	<p>Masters Student AGH University of Science and Technology in Kraków, Faculty of Geology, Geophysics and Environmental Protection. Department of Mineralogy, Petrography and Geochemistry Branch: Applied Geology, specialization: Applied Mineralogy</p>
2024	<p>B.Sc. Title AGH University of Science and Technology in Kraków, Faculty of Geology, Geophysics and Environmental Protection. Department of Mineralogy, Petrography and Geochemistry Branch: Engineering and Environmental Protection B.Sc. thesis: Immobilisation of phosphates from aqueous solutions on functionalized arc furnace dusts Supervisor: Tomasz Bajda, Ph.D.</p>

Research interest:

- Repurposing of industrial byproducts and waste materials as adsorbents
- Application of natural and synthetic mineral sorbents for sorption of inorganic (metals, metalloids) and organic (pharmaceuticals, dyes, pesticides, VOCs) contaminants from solutions and gases

Research grants

Present	<p>Grant NCN OPUS21 - Role of extracellular DNA, generated during communal wastes treatment, in dissemination of virulence and antibiotic resistance genes in aquatic ecosystems Principal Investigator of Consortium: Prof. Łukasz Dziewit</p>
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2023**Rector's Grant (39/GRANT/2023) - Anthropogenic threats to the quality of groundwater in karst regions**
Principal Investigator: M.Sc. Paweł Tiuchciej

Scientific experience:

Conferences / lectures / workshops

2023.12.14-15*4th International Conference Strategies toward Green Deal Implementation: Water, Raw Material & Energy*
Oral presentation
Phosphate adsorption by modified electric arc furnace ashes

Courses / trainings

2023.05.29-06.04 Characterization and Engineering of Karst Aquifers, CEKA 2023

Membership:

- MIT Research Group 2023 – present
- Sigma Science Club 2022 - present

Kraków, 22.01.2024