



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Anna Witek-Krowiak
Grade / Title:	professor
Scientific discipline	inżynieria chemiczna / chemical engineering
Faculty:	W3 Wydział Chemiczny / Faculty of Chemistry
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Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	https://scholar.google.pl/citations?hl=pl&user=swllypgAAAAJ&view_op=list_works&sortby=pubdate

2. Publication record

Up to 10 most important papers published over the period of previous 10 years.

No.	Description (authors, publication title, journal / conference, DOI)	Publication year
1.	Daniel Szopa, Dawid S. Skrzypczak, Grzegorz K. Izydorczyk, Katarzyna Chojnacka, Mariusz Korczyński*, Anna Witek-Krowiak Evaluation of <i>Tenebrio molitor</i> protein hydrolysates as biostimulants improving plants growth and root architecture. <i>Journal of Cleaner Production</i> . 2023, vol. 401, art. 136812, s. 1-14.	2023
2.	Dawid S. Skrzypczak, Derya Lale, Katarzyna Mikula, Grzegorz K. Izydorczyk, Xymena Połomska*, Michalina Matejko, Konstantinos Moustakas*, Anna Witek-Krowiak, Katarzyna Chojnacka Maximizing the potential of leachate from sewage sludge as a sustainable nutrients source to alleviate the fertilizer crisis. <i>Journal of Environmental Management</i> . 2023, vol. 338, art 117794, s. 1-13.	2023
3.	Katarzyna Mikula, Maciej Konieczka, Rafał Taf, Dawid S. Skrzypczak, Grzegorz K. Izydorczyk, Konstantinos Moustakas*, Marek Kułazyński, Katarzyna Chojnacka, Anna Witek-Krowiak Tannery waste as a renewable source of nitrogen for production of multicomponent fertilizers with biostimulating properties. <i>Environmental Science and Pollution Research</i> . 2023, vol. 30, s. 8759-8777.	2023
4.	Małgorzata M. Mironiuk, Mateusz Samoraj, Anna Witek-Krowiak, Henryk Górecki, Konstantinos Moustakas*, Katarzyna Chojnacka Processing of nuisance animal waste into agricultural products. <i>Environmental Pollution</i> . 2023, vol. 319, art. 120924, s. 1-10.	2023
5.	Dawid S. Skrzypczak, Krzysztof T. Trzaska, Katarzyna Mikula, Filip Gil, Grzegorz K. Izydorczyk, Małgorzata M. Mironiuk, Xymena Polomska*, Konstantinos Moustakas*, Anna Witek-Krowiak, Katarzyna Chojnacka Conversion of anaerobic digestates from biogas plants: Laboratory fertilizer formulation, scale-up and demonstration of applicative properties on plants. <i>Renewable Energy</i> . 2023, vol. 203, s. 506-517.	2023



6.	Katarzyna Chojnacka, Dawid S. Skrzypczak, Daniel Szopa, Grzegorz K. Izydorczyk, Konstantinos Moustakas*, Anna Witek-Krowiak Management of biological sewage sludge: fertilizer nitrogen recovery as the solution to fertilizer crisis. Journal of Environmental Management. 2023, vol. 326, pt. A, art. 116602, s. 1-12.	2023
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3. Projects and grants

List of the most important 5 projects/grants with basic description including: title, source(s) of funding, name of the call, role in the project (e.g., principal investigator).

1.	Role in the project (e.g., principal investigator, work package leader, etc.)	principal investigator
	Project title	"Solutions for GHGs emissions mitigation for the mixed farming systems across different European climates"
	Sources of funding	
	Name of the call	ERA-NET 2021 project ID:26
	Implementation period	2021-2024
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	principal investigator
	Project title	"Innovative fertilizers with micronutrients obtained by biosorption method for organic farming"
	Sources of funding	NCBiR
	Name of the call	TANGO-V-C/0019/2021
	Implementation period	2021-2024
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	principal investigator
	Project title	"Intelligent platform of bioinspired ionic materials with beneficial effects on plants",
	Sources of funding	NCN
	Name of the call	Opus 2020/37/B/NZ9/04201
	Implementation period	2020-2023
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	project leader
	Project title	"Investigation of properties of designable biocomposite hydrogel capsules for precise release of micronutrients"
	Sources of funding	NCN
	Name of the call	Opus 2018/31/B/NZ9/02345
	Implementation period	2019-2022
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	principal investigator
	Project title	"Towards a circular economy - technologies for the recovery of water and raw materials from treated wastewater"
	Sources of funding	NCBiR
	Name of the call	OPIR



Implementation period	2019-2022
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4. International experience

Brief description of international cooperation and experience (e.g., research stays, cooperation with foreign entities, coordination or participation in international projects or programmes, keynote speeches and presentations delivered at renowned international conferences, visiting professor stays, invited lectures).

No.	Description	Year(s)
1.	20-24.02.2023 - Academic Leadership, Timisoara (Romania) study tour	2023
2.	19-25.01.2020 Study tour Groningen (Netherlands)	2020
3.	The National Technical University of Athens, School of Chemical Engineering, 03 -10.10.2021	2021

5. Experience in teaching doctoral students

Brief description of experience in teaching doctoral students (e.g., courses in doctoral schools and PhD studies, summer/winter schools for doctoral students, tutorials, trainings, etc.).

No.	Description	Year(s)
1.	Reporting seminar	2020-2022
2.		
3.		

6. List of supervised doctoral students

List of all supervised doctoral students that defended the PhD including: name of the student, dissertation title, year of awarding PhD.

No.	Name, surname	Dissertation title	Year of awarding PhD
1.	Dawid Skrzypczak	Preparation of biocomposites for controlled transport of fertilizer micronutrients.	2020
2.	Bartosz Ligas	Production of feed additives enriched in micronutrients by biosorption.	2021
3.	Katarzyna Mikula	Production of fertilizer formulations in accordance with the strategy of sustainable agriculture.	2022

7. Prizes and awards

The most important national and international prizes and awards related to research, development and teaching activities.

No.	Description	Year
1.	2020 - award of the Rector of WUST for scientific activity	2020
2.	2020 - Diploma of the International Federation of Inventors Associations for the result "New vitamin PP derivatives with selective bactericidal activity" (Prof. Joanna Feder-Kubis and Prof. Anna Witek-Krowiak);	2020



3.	2020 Gold Medal at the 13th INTARG 2020 International Trade Fair for Inventions and Innovations "New derivatives of vitamin PP with selective bactericidal activity" by Prof. Joanna Feder-Kubis and Prof. Anna Witek-Krowiak;	2020
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8. Other significant achievements

Information on other significant achievements related to research, development and teaching activities.