Wrocław University of Science and Technology
Doctoral School

ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Małgorzata Kabsch-Korbutowicz
Grade / Title:	Prof.
Scientific discipline	**inżynieria środowiska, górnictwo i energetyka / environmental engineering, mining, and energy**
Faculty:	W7 Wydział Inżynierii Środowiska / Faculty of Environmental Engineering
Email address:	malgorzata.kabsch-korbutowicz@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	

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.	Halina Pawlak-Kruczek, Agnieszka M. Urbanowska, Łukasz Niedźwiecki, Michał J. Czerep, Marcin J. Baranowski, Christian Aragon-Briceño, Małgorzata Kabsch-Korbutowicz, Amit Arora, Przemysław Seruga, Mateusz Wnukowski, Jakub Mularski, Eddy Bramer, Gerrit Bre*, Artur Pożarlik; Hydrothermal carbonisation as treatment for effective moisture removal from digestate - mechanical dewatering, flashing-off, and condensates' processing. Energies. 2023, vol. 16, nr 13, art. 5102, 1-9. https://doi.org/10.3390/en16135102	2023
2.	Agnieszka M. Urbanowska, Małgorzata Kabsch-Korbutowicz; Properties of flat ceramic membranes and their application for municipal digestate liquid fraction purification. Journal of Membrane Science and Research. 2023, vol. 9, nr 2, art. 556692, s. 1-7. https://doi.org/10.22079/jmsr.2022.556692.1549	2023
3.	Paweł Wiercik, Magdalena Kuśnierz, Małgorzata Kabsch-Korbutowicz, Anita Plucińska, Przemysław Chrobot; Evaluation of changes in activated sludge and sewage sludge quality by FTIR analysis and laser diffraction. Desalination and Water Treatment. 2022, vol. 273, 114-125. https://doi.org/10.5004/dwt.2022.28855	2022
4.	Krystian K. Czuba, Kornelia D. Pacyna-Iwanicka, Anna Bastrzyk, Małgorzata Kabsch-Korbutowicz, Anna J. Dawiec-Liśniewska, Przemysław Chrobot, Amin Shavandi, Daria Podstawczyk; Towards the circular economy - sustainable fouling mitigation strategies in ultrafiltration of secondary effluent. Desalination. 2022, vol. 532, art. 115731, 1-15. https://doi.org/10.1016/j.desal.2022.115731	2022
5.	Agnieszka M. Urbanowska, Małgorzata Kabsch-Korbutowicz, Christian Aragon-Briceño, Mateusz Wnukowski, Artur Pożarlik, Łukasz Niedźwiecki, Marcin J. Baranowski, Michał J. Czerep, Przemysław Seruga, Halina Pawlak-Kruczek, Eduard A. Bramer, Gerrit Brem; Cascade membrane system for	2021

	separation of water and organics from liquid by-products of HTC of the agricultural digestate - evaluation of performance. Energies. 2021, vol. 14, nr 16, art. 4752, 1-18. http://dx.doi.org/10.3390/en14164752	
6.	Jacek A. Wiśniewski, Małgorzata Kabsch-Korbutowicz; Removal of nitrate and bromate ions from water in processes with ion-exchange membranes. Desalination and Water Treatment. 2021, vol. 214, 8-15. http://dx.doi.org/10.5004/dwt.2021.26530	2021
7.	Agnieszka M. Urbanowska, Izabela Polowczyk, Małgorzata Kabsch-Korbutowicz; Treatment of municipal waste biogas plant digestate using physico-chemical and membrane processes. Desalination and Water Treatment. 2021, vol. 214, 214-223. http://dx.doi.org/10.5004/dwt.2021.26661	2021
8.	Agnieszka M. Urbanowska, Izabela Polowczyk, Małgorzata Kabsch-Korbutowicz, Przemysław Seruga; Characteristics of changes in particle size and zeta potential of the digestate fraction from the municipal waste biogas plant treated with the use of chemical coagulation/precipitation processes. Energies. 2020, vol. 13, nr 22, art. 5861, 1-12. http://dx.doi.org/10.3390/en13225861	2020
9.	Agnieszka M. Urbanowska, Małgorzata Kabsch-Korbutowicz; Nanofiltration as an effective method of NaOH recovery from regenerative solutions. Archives of Environmental Protection. 2019, vol. 45, nr 2, 31-36. DOI 10.24425/aep.2019.127978	2019
10.	Agnieszka M. Urbanowska, Małgorzata Kabsch-Korbutowicz Ion exchange with macroporous polystyrene resins for the removal of natural organic matter. Water Quality Research Journal of Canada. 2018, vol. 53, nr 4, 191-204. http://dx.doi.org/10.2166/wqrj.2018.002	2018

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.)	investigator
	Project title	*Sustainable technology for the staged recovery of an agricultural water from high moisture products RECOWATDIG*
	Sources of funding	Water JPI
	Name of the call	ERA-NET CO-FUND WaterWorks2017
	Implementation period	1.04.2019-31.03.2022
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	
	Project title	
	Sources of funding	
	Name of the call	
	Implementation period	
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	
	Project title	

	Sources of funding	
	Name of the call	
	Implementation period	
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	
	Project title	
	Sources of funding	
	Name of the call	
	Implementation period	
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	
	Project title	
	Sources of funding	
	Name of the call	
	Implementation period	

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.	Cooperation with HoSt Bioenergy Installations and University of Twente (Netherlands), KTH-Royal Institute of Technology (Sweden) on research project.	2019-2022
2.	Keynote speaker at International Scientific Conference Membranes and Membrane Processes in Environmental Protection MEMPEP 2021 (on-line)	2021
3.	Keynote speaker at International Scientific Conference „Chemical Technology and Engineering" 26-30.06.2017, Lviv	2017

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.	Providing a course on "Civilization and the Environment" for WUST PhD students	2009-2021
2.	Providing the course on "Membrane processes" for WUST PhD students	2015-2017
3.	Delivering lectures at membrane summer schools for students and PhD students	2007, 2012, 2015, 2017
4.	Leading a reporting seminar for WUST Doctoral School students	2020-2023
5.	Delivering a lecture as part of the "Recent research trends in environmental engineering, mining and energy" course for WUST Doctoral school students	2021, 2022

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.	Malgorzata Kutyłowska	Prognozowanie parametrów procesu separacji membranowej z wykorzystaniem sztucznych sieci neuronowych.	2010
2.	Agnieszka Urbanowska	Usuwanie substancji organicznych z wody w zintegrowanym procesie wymiana jonowa - filtracja membranowa z wykorzystaniem membran ceramicznych.	2011
3.	Krzysztof Iskra	Wpływ stopnia dezintegracji osadu nadmiernego na proces fermentacji metanowej.	2014
4.	Anna Janda	Zastosowanie procesu Fentona do stabilizacji odpadów z przemysłu mięsnego.	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.		
2.		
3.		

8. Other significant achievements

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