



## ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

### DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

#### 1. Basic information

Name, surname:	Joanna Wolska
Grade / Title:	Dr hab. inż., prof. uczelni
Scientific discipline	<b>inżynieria chemiczna / chemical engineering</b>
Faculty:	W3 Wydział Chemiczny / Faculty of Chemistry
Email address:	Joanna.wolska@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	<a href="https://www.researchgate.net/profile/Joanna-Wolska-4">https://www.researchgate.net/profile/Joanna-Wolska-4</a>

#### 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.	Joanna Wolska, Dominika Rapacz, Juliusz Winiarski, Katarzyna Smolińska-Kempisty. Analysis of the sorption properties of molecularly imprinted polymers as materials for potential monitoring of the amount of amoxicillin in an aqueous environment. Solvent Extraction and Ion Exchange. 2024, vol. 42, nr 4, s. 319-344. DOI:10.1080/07366299.2024.2382698	2024
2.	Dominika Rapacz, Katarzyna Smolińska-Kempisty, Joanna Wolska. A novel green molecularly imprinted polymers synthesized in an aqueous medium as S-metolachlor sensitive materials. Talanta. 2024, vol. 280, art. 126674, s. 1-9. DOI: 10.1016/j.talanta.2024.126674	2024
3.	Esra Altıok, Fatma Şen, Joanna Wolska, Piotr Cyganowski, Marek Bryjak, Nalan Kabay, Muserref Arda, Mithat Yuksel, Separation of boron and arsenic from geothermal water with novel gel-type chelating ion exchange resins: batch and column sorption-elution studies. Molecules. 2023, vol. 28, nr 23, art. 7708, s. 1-13. DOI: 10.3390/molecules28237708	2023
4.	Joanna Wolska, Anna M. Siewierka, Katarzyna Smolińska-Kempisty. Integrated, molecularly imprinted polymeric membranes for the concentration of BPA in a capacitive deionization process. Journal of Membrane Science and Research. 2023, vol. 9, nr 2, art. 561163, s. 1-7. DOI: 10.22079/jmsr.2023.561163.1559	2023
5.	Piotr Cyganowski, Joanna Wolska, Nanocomposite membranes with Au nanoparticles for dialysis-based catalytic reduction-separation of nitroaromatic compounds. Reactive & Functional Polymers. 2022, vol. 170, art. 105119, s. 1-8. DOI: <a href="https://doi.org/10.1016/j.reactfunctpolym.2021.105119">https://doi.org/10.1016/j.reactfunctpolym.2021.105119</a>	2022
6.	Joanna Wolska, Nasim Jalilnejad Falizi, Membrane emulsification process as a method for obtaining molecularly imprinted polymers. Polymers. 2021, vol. 13, nr 16, art. 2830, s. 1-20. DOI: 10.3390/polym13162830	2021
7.	Magdalena Piłśniak-Rabiega, Katarzyna Wejman-Gibas, Joanna Wolska. Novel conventional and chelating anion exchange resins with amino ligands	2020



	for sorption of silver. Separation Science and Technology. 2020, vol. 55, nr, 12, s. 2170-2182. DOI: 10.1080/01496395.2019.1639741	
8.	Joanna Wolska, Piotr Cyganowski, Tomasz Koźlecki. Fine polymer imprinted layers for monitoring of Bisphenol A in aqueous solutions. Separation Science and Technology. 2018, vol. 53, nr 2, s. 206-218. DOI: 10.1080/01496395.2017.1385627	2018
9.	Joanna Wolska, Katarzyna Smolińska-Kempisty. Polypropylene prefilters with surface imprinted layer. Separation and Purification Technology. 2017, vol. 174, s. 89-96. DOI: 10.1016/j.seppur.2016.10.007	2017
10.	Joanna Wolska Thermoresponsive molecularly imprinted polymer for rapid sorption and desorption of diethyl phthalate. Separation Science and Technology. 2016, vol. 51, nr 15/16, s. 2547-2553. DOI: 10.1080/01496395.2016.1165706	2016

### 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.)	Project manager
	Project title	Establishing an immobilization method for compound screens based on fluorescence microscopy in nematodes
	Sources of funding	NAWA
	Name of the call	
	Implementation period	I.2024-XII. 2025
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	investigator
	Project title	Katalityczno-separacyjne procesy uwodornienia związków nitroaromatycznych z wykorzystaniem wielofunkcyjnych nanokompozytów polimerowych z nanocząstkami renu"
	Sources of funding	NCN
	Name of the call	
	Implementation period	2021-2024
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	investigator
	Project title	„Wytwarzanie i badanie właściwości fizykochemicznych i mechanicznych trójwymiarowych struktur kompozytowych zawierających środki przeciwdrobnoustrojowe”
	Sources of funding	NCN
	Name of the call	
	Implementation period	2017-2020
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	investigator
	Project title	Integrated management of geothermal water: recovery of energy and water “Geotherm””,
	Sources of funding	NCBiR



	Name of the call	Geotherm
	Implementation period	2017-2020
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	Project manager
	Project title	Molekularne wdrukowane sorbenty polimerowe do usuwania toksycznych substancji organicznych z wody”
	Sources of funding	KBN
	Name of the call	
	Implementation period	2010-2013

#### 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.	IV-VII 2004 - (three-month research internship) University of Turin, Turin, Italy, in the team of Prof. Francesco Trotta.	2004
2.	March-April 2005 - (two-month research internship) Ege University, Izmir, Turkey, in the team of prof. Nalan Kabay.	2005
3.	Department of Chemistry, University of the Western Cape, (Cape Town, South Africa), scientific visit to the laboratory under a bilateral agreement.	2009
4.	Department of Chemistry, University of the Western Cape, (Cape Town, South Africa), scientific visit to the laboratory under a bilateral agreement.	2009
5.	Chemical Engineering Department, Faculty of Engineering – Ege University of Izmir (Izmir, Turkey), scientific visit within the framework of the ongoing NATO project.	2009
6.	Department of Inorganic, Physical and Materials Chemistry of University of Turin, (Turin, Italy), scientific visit within the framework of an ongoing NATO project.	2010
7.	I-III. 2013 - (two-month research internship) at the University of Concepcion, Center for the Research of Advanced Polymers, Concepcion, Chile, in the team of prof. Bernabe Rivas.	2013
8.	III-2024 a week-long visit to the Medicinal University of Graz, Graz, Austria, in the team of Prof. Corina Madreiter-Sokolowski	2024

#### 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.		
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.			
2.			
3.			

## **7. Prizes and awards**

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

No.	Description	Year
1.	Award of the Rector of the Wrocław University of Science and Technology in recognition of outstanding contribution to the University's activities	2015
2.	Award of the Rector of the Wrocław University of Science and Technology in recognition of outstanding contribution to the University's activities	2021
3.	Team Award of the Rector of Nicolaus Copernicus University in Torun for achievements in the field of science and research. III degree.	2015
4.		

## **8. Other significant achievements**

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