



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Karolina Jaroszevska
Grade / Title:	PhD DSc
Scientific discipline	inżynieria chemiczna / chemical engineering
Faculty:	W3 Wydział Chemiczny / Faculty of Chemistry
Email address:	karolina.jaroszevska@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.	Karolina E. Jaroszevska, Barbara Szczeniak*, Bartłomiej Szyja, Jerzy Choma*, Mietek Jaroniec* Inorganic mesoporous oxides: from research to industrial applications. <i>Materials Today</i> . 2023, s. 1-29.	2023
2.	Karol Postawa, Justyna Małyszew, Karolina E. Jaroszevska, Edyta Wrzesińska-Jędrusiak* Adapting R4 simplifications of Anaerobic Digestion Model No. 1 (ADM1-R4) for pump-mixed biogas production. <i>Fuel (Guildford)</i> . 2023, vol. 351, art. 128794, s. 1-7.	2023
3.	Karolina E. Jaroszevska, Janusz Nowicki*, Hanna Nosal-Kovalenko*, Jolanta Grzechowiak, Katarzyna Pstrowska, Rafał Łuźny, Marek Lewandowski*, Jan Kaczmarczyk, Anna Witek-Krowiak, Konstantinos Moustakas*, Katarzyna Chojnacka, Marek Kułazyński Selected acid and basic functionalized ordered mesoporous materials as solid catalysts for transesterification of canola oil: a comparative study. <i>Fuel (Guildford)</i> . 2022, vol. 325, art. 124902, s. 1-13	2022
4.	Marek Lewandowski*, Maria Bartoszevska*, Karolina E. Jaroszevska, Gérald Djéga-Mariadassou Transition metal borides of Ni-B (Co-B) as alternative non-precious catalytic materials: Advances, potentials, and challenges <i>Journal of Industrial and Engineering Chemistry</i> . 2022, vol. 116, s. 75-98	2022
5.	K. Jaroszevska, M. Fedyna, A. Masalska, R. Łuźny, J. Trawczyński, Promotional Effect of Pd Addition on the Catalytic Activity of Composite Pt-Pd/AISBA-15-β Catalyst for Enhanced n-Heptane Hydroisomerization Catalysts. 2021, vol. 11, nr 3, art. 377, s. 1-22	2021
6.	M. Fedyna, M. Śliwa, K. Jaroszevska, J. Trawczyński Effect of zeolite amount on the properties of Pt/(AISBA-15 + Beta zeolite) micro-mesoporous catalysts for the hydroisomerization of n-heptane <i>Fuel</i> 268 (2020) 117239	2020
7.	M. Fedyna, A. Żak, K. Jaroszevska, J. Mokrzycki, J. Trawczyński Composite of Pt/AISBA-15+zeolite catalyst for the hydroisomerization of n-hexadecane:	2020



	the effect of platinum precursor. Microporous Mesoporous Mater. (2020) 110366	
8.	K. Jaroszewska*, A. Masalska, J. Grzechowiak Hydroisomerization of Long-Chain bio-Derived n-Alkanes into Monobranched High Cetane Isomers via a Dual-Component Catalyst Bed, Fuel 268 (2020) 117239	2020
9.	M. Fedyna, M. Śliwa, K. Jaroszewska, L. Kępiński, J. Trawczyński Procedure for the synthesis of AISBA-15 with high aluminium content: characterization and catalytic activity Microporous Mesoporous Mater. 292 (2020) 109701	2020
10.	K. Jaroszewska, M. Fedyna, J. Trawczyński Hydroisomerization of long-chain n-alkanes over Pt/AISBA-15+zeolite bimodal catalysts Applied Catalysis B 255 (2019) 117756	2019

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.)	Leader
	Project title	Doktorat wdrożeniowy 5 edycja z dnia 16 kwietnia 2021 324 077,36 zł, umowa nr DWD/5/0287/2021
	Sources of funding	MNiSW
	Name of the call	Doktorat wdrożeniowy
	Implementation period	2021-2025
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Investigator
	Project title	Młody chemik zdobywa wiedzę Projekt dofinansowany ze środków nr projektu SONP/SP/577198/2022
	Sources of funding	MNiSW
	Name of the call	„Społeczna odpowiedzialność nauki”
	Implementation period	2022-2024
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Investigator
	Project title	Opracowanie technologii racjonalnego zagospodarowania strużyn z przetwórstwa skór (MIZDRA 2.0), nr umowy POIR.04.01.04-00-0071/20-00
	Sources of funding	Europejski Fundusz Rozwoju Regionalnego
	Name of the call	Unię Europejską ze środków w ramach Programu Operacyjnego Inteligentny Rozwój 2014-2020
	Implementation period	2020-2023
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.	-	
2.		
3.		

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.	The latest research directions in chemical engineering	2021, 2022
2.	Alternative fuels	2024
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.	Jan Wójcik	Technologia otrzymywania biokomponentu paliw lotniczych na drodze procesów wodorowych	2025
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.	-	



2.		
3.		

8. Other significant achievements

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

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