



## ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

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

#### 1. Basic information

Name, surname:	Bożena Mielczarek
Grade / Title:	dr hab. Inż.
Scientific discipline	Management Science and Quality
Faculty:	<b>Faculty of Management</b>
Email address:	Bożena.mielczarek@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	<a href="https://scholar.google.com/citations?user=YinXFvgA AAAJ&amp;hl=pl">https://scholar.google.com/citations?user=YinXFvgA AAAJ&amp;hl=pl</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.	Hajłasz, Maria; Mielczarek, Bożena; ,Simulation model for planning dental caries prevention at the regional level,2022 Winter Simulation Conference (WSC),,,1045-1056,2022,IEEE	2022
2.	Hajłasz, Maria; Mielczarek, Bożena; Hameed, IA; Hasan, A; Alaliyat, SAA; ,Reflections On Assumptions For A Simulation Model Of Dental Caries Prevention Planning In A Primary School.,ECMS,,45-50,2022,	2022
3.	Mielczarek, Bożena; ,A Simulation Study of the Delayed Effect of Covid-19 Pandemic on Pensions and Welfare of the Elderly: Evidence from Poland,International Conference on Computational Science,,,326-340,2022,Springer International Publishing Cham	2022
4.	Hajłasz, Maria; Mielczarek, Bożena; ,Modelling of the Influence of the Peer Environment on the Prevention of Caries Development in Schoolchildren using a Hybrid Simulation Approach.,SIMULTECH,,,340-347,2022,	2022
5.	Mielczarek, Bożena; Gora, Maja; Dobrowolska, Anna; ,Simulation–Based Optimisation Model as an Element of a Digital Twin Concept for Supply Chain Inventory Control,International Conference on Computational Science,,,513-527,2023,Springer Nature Switzerland Cham	2023
6.	Hajłasz, Maria; Mielczarek, Bożena; ,Agent-Based Simulation Framework to Plan Dental Caries Prevention: Awareness Aspect,"International Conference on Simulation and Modeling Methodologies, Technologies and Applications" ,,,22-35,2022,Springer International Publishing Cham	2022
7.	Hajłasz iD, Maria; Mielczarek, Bożena; ,Check for updates Agent-Based Simulation Framework to Plan Dental Caries Prevention: Awareness Aspect,"Simulation and Modeling Methodologies, Technologies and Applications: 12th International Conference, SIMULTECH 2022, Lisbon, Portugal, July 14–16, 2022, Revised Selected Papers",780,,22,2023,Springer Nature	2023



8.	Mielczarek, Bożena; ,Simulation Model to Forecast Gender Pension Wealth Gap in the Light of Demographic Changes,2023 Winter Simulation Conference (WSC),,,1387-1396,2023,IEEE	2023
9.	Hajłasz, Maria; Mielczarek, Bożena; ,Hybrid Simulation Model to Support the Oral Health Education Planning,,,,,2023,	2023
10.	Hajłasz, Maria; Mielczarek, Bożena; ,Simulation model for planning dental caries prevention at the regional level,2022 Winter Simulation Conference (WSC),,,1045-1056,2022,IEEE	2022

### 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	"Symulacyjne modelowanie popytu na świadczenia zdrowotne"
	Sources of funding	NCN; 2015/17/B/HS4/00306
	Name of the call	Opus 9
	Implementation period	2016-2021
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Principal investigator
	Project title	Metody symulacyjne I symulacyjne modele komputerowe w zarządzaniu systemami ochrony zdrowia
	Sources of funding	NCN; 2011/01/B/HS4/01061
	Name of the call	Opus
	Implementation period	2011-2014
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.	Winter Simulation Conference	2012-2023
2.	European Conference on Simulation Modeling	2007-2024
3.	Simultech – International Conference on Modeling, Methodologies, Technologies and Applications	2010 - 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.	Simulation methods in management	2021, 2022
2.	Recent research trends in management and quality studies	2023, 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.	Akhil Kunche	COMPUTER SIMULATION AS A DECISION-SUPPORT TOOL FOR SELECTING CO2 EMISSION REDUCTION STRATEGIES IN THE CEMENT INDUSTRY	2023
2.	Maria Hajłasz	Wspomaganie planowania programów profilaktyki próchnicy zębów za pomocą modelowania symulacyjnego	2024
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.*