



# ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

## DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

### 1. Basic information

Name, surname:	Andrzej Szczurek
Grade / Title:	PhD, DSc
Scientific discipline	<b>inżynieria środowiska, górnictwo i energetyka / environmental engineering, mining, and energy</b>
Faculty:	W7 Wydział Inżynierii Środowiska / Faculty of Environmental Engineering
Email address:	andrzej.szczurek@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.	Andrzej Szczurek, Dawid Gonstał, Monika Maciejewska. <i>A multisensor device intended as an IoT element for indoor environment monitoring</i> . Sensors. 2024, 24(5), 1-21.	2024
2.	<u>Andrzej Szczurek</u> , Monika Maciejewska, Piotr Batog. <i>Monitoring system enhancing the potential of urban beekeeping</i> . Applied Sciences. 2023, 13(1), 597, 1–22.	2023
3.	<u>Andrzej Szczurek</u> , Dawid Gonstał, Monika Maciejewska. <i>The gas sensing drone with the lowered and lifted measurement platform</i> . Sensors. 2023, 23(3), 1253, 1–23.	2023
4.	<u>Andrzej Szczurek</u> , Monika Maciejewska. <i>Beehive air sampling and sensing device operation in apicultural applications - methodological and technical aspects</i> . Sensors. 2021, 21(12), 4019, 1–18.	2021
5.	<u>Andrzej Szczurek</u> , Monika Maciejewska, Mariusz Uchroński. <i>Determination of thermal preferences based on event analysis</i> . Energy and Buildings. 2018, 166, 210–216.	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.)	Project Leader at Wrocław University of Science and Technology
	Project title	Developing innovative, intelligent tools to monitoring the occurrence of malignant foulbrood and elevated levels of infestation with Varroa destructor in honey bee colonies
	Sources of funding	NCBiR
	Name of the call	BIOSTRATEG3/343779/10/NCBR/2017



	Implementation period	2018-2021
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Project leader
	Project title	The variability of physical and chemical parameters in time as a source of comprehensive information about indoor air quality
	Sources of funding	NCN
	Name of the call	DEC-2012/07/B/ST8/03031
	Implementation period	2013-2016
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Work package leader
	Project title	Detectors and sensors for measuring factors hazardous to environment - modelling and monitoring of threats
	Sources of funding	EU via the European Regional Development Fund
	Name of the call	POIG.01.03.01-02-002/08-00 z 15.12.2008
	Implementation period	2007 - 2013
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.	Postdoctoral fellow, Syracuse University, USA	1986
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.		



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.	Marek Badura	Determination of volatile organic compounds using semiconductor gas sensors in the presence of interferents	2014
2.	Piotr Batog	Sensor measuring devices with diffusive and dynamic probe sampling	2016
3.	Marlena Dług	Application of differential-algebraic equations for indoor air quality assessment.	2018
4.	Marcin Przybyła	A system for monitoring concentrations of air pollutants emitted by the self-propelled mining machines for the purposes of air quality management in the KGHM PM S.A. underground mines	2024

## 7. Prizes and awards

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

No.	Description	Year
1.	Genius Universitatis	2023
2.	Docendo Discimus	2022
3.	Medal of National Commission for Education	2021

## 8. Other significant achievements

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