



# ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

## DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

### 1. Basic information

Name, surname:	Barbara Widera
Grade / Title:	PhD HDr
Scientific discipline	<b>architektura i urbanistyka / architecture and urban planning</b>
Faculty:	W1 Wydział Architektury / Faculty of Architecture
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Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	<a href="#">Barbara Widera - Google Scholar</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.	<b>Widera B.</b> , Nature-based Solutions. 2023. Resilience of People and Ecosystems under Climate Stress. Veerabhadran Ramanathan and Joachim von Braun (Eds), Proceedings of the Conference held at Casina Pio IV, Vatican City, 13-14 July 2022, The Pontifical Academy of Sciences, <a href="#">Resilience of People and Ecosystems under Climate Stress (pas.va)</a> <a href="#">Nature-Based Solutions in the Context of Climate-Resilient Buildings and Cities (pas.va)</a>	2023
2.	Seyrek C.I., Woźniczka A., <b>Widera B.</b> , A conceptual framework for the design of energy-efficient vertical green façades. Energies. 2022, vol. 15, nr 21, art. 8069, s. 1-19, <a href="https://doi.org/10.3390/en15218069">https://doi.org/10.3390/en15218069</a>	2022
3.	European Commission, Directorate-General for Research and Innovation, Schellnhuber, H., <b>Widera, B.</b> , Kutnar, A., et al., Horizon Europe and new European Bauhaus NEXUS report : conclusions of the High-Level Workshop on 'Research and Innovation for the New European Bauhaus', jointly organised by DG Research and Innovation and the Joint Research Centre, Publications Office of the European Union, 2022, <a href="https://data.europa.eu/doi/10.2777/49925">https://data.europa.eu/doi/10.2777/49925</a>	2022
4.	<b>Widera B.</b> , The power of individual choices: The research on sustainable initiatives and environmental activism analysed in the building context. PLEA STGO 2022 : Will cities survive? The future of sustainable buildings and urbanism in the age of emergency : book of proceedings, Vol. 2, onsite sessions / eds. Waldo Bustamante, Mariana Andrade, Pablo Ortiz E. Santiago, 2022. s. 878-883.	2022
5.	Widera B., Comparative analysis of user comfort and thermal performance of six types of vernacular dwellings as the first step towards climate resilient,	2021



	sustainable and bioclimatic architecture in western sub-Saharan Africa, <i>Renewable and Sustainable Energy Reviews</i> , Volume 140, April 2021, 110736, <a href="https://doi.org/10.1016/j.rser.2021.110736">https://doi.org/10.1016/j.rser.2021.110736</a>	
6.	Widera, B. Colors Inspired by Nature Analyzed in Two Residential Buildings Designed by Victor Horta. <i>Arts</i> <b>2021</b> , 10, 60. <a href="https://doi.org/10.3390/arts10030060">https://doi.org/10.3390/arts10030060</a>	2021
7.	Seyrek, C.I.; Widera, B.; Woźniczka, A. Sustainability-Related Parameters and Decision Support Tools for Kinetic Green Façades. <i>Sustainability</i> <b>2021</b> , 13, 10313. <a href="https://doi.org/10.3390/su131810313">https://doi.org/10.3390/su131810313</a>	2021
8.	Widera B., Renewable hydrogen implementations for combined energy storage, transportation and stationary applications. <i>Thermal Science and Engineering Progress</i> . 2020, vol. 16, s. 1-8, <a href="https://doi.org/10.1016/j.tsep.2019.100460">https://doi.org/10.1016/j.tsep.2019.100460</a>	2020
9.	<b>Widera B., Proces kształtowania relacji z naturą w architekturze współczesnej, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 2018, ISBN: 978-83-7493-999-7</b>	2018
10.	<b>Widera B.</b> , Bioclimatic architecture, <i>Journal of Civil Engineering and Architecture Research</i> , Vol. 2, No. 4, Apr. (2015), Print ISSN: 2333-911X, Online ISSN: 2333-9128, pp. 567-578 2015, <a href="#">Bioclimatic architecture</a>	2015

### 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.)	Researcher/investigator
	Project title	FoCa - Free of Carbon Architecture - interaktywna platforma internetowa wspierająca sektor budowlany w osiągnięciu neutralności klimatycznej
	Sources of funding	CORNET 33
	Name of the call	COLlective Research NETworking
	Implementation period	2023-2024
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Course leader
	Project title	„Nowe międzynarodowe programy nauczania na wydziale architektury z zastosowaniem formuły zdalnej i mieszanej” Projekt nr: 11NW/0002/21
	Sources of funding	Narodowa Agencja Wymiany Akademickiej
	Name of the call	Letnie kursy NAWA
	Implementation period	2012-2022
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Executor/gestor



	Project title	Atlas Zasobów Otwartej Nauki 2.0, POPC.02.03.01-00.0075/19
	Sources of funding	European Fund of Regional Development
	Name of the call	POPC, Poddziałanie 2.3.1 Cyfrowe udostępnianie zasobów administracji i nauki
	Implementation period	2020-2022
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	Executor/gestor
	Project title	Aktywna Platforma Informacyjna e-scienceplus.pl POPC.02.03.01-00.0010/16-00
	Sources of funding	European Fund of Regional Development
	Name of the call	POPC, Poddziałanie 2.3.1 Cyfrowe udostępnianie zasobów administracji i nauki
	Implementation period	2017-2019

#### 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.	Member of the Mission Board of the EU Mission Adaptation for a climate change	2022-actual
2.	New European Bauhaus Preparatory Action – Joint Research Center (ISPRA) – Dimension Lead Expert	2022-actual
3.	UNITE! Science conference– “CLIMATE” panel moderator and speaker – Karpacz 09.2023	09.2023
4.	<a href="https://www.walcc.org/">Forum 2023 – World Alliance for Low Carbon Cities (walcc.org)</a> , Vaasa, Finland – panelist and honorable speaker	09.2023
5.	New European Bauhaus Prizes 2023: Raising Ambitions for Participatory, Transdisciplinary, and Multi-level NEB Projects - honorable speaker	2023
6.	New European Bauhaus Festival 2022: New European Bauhaus: Integrating science, art and technology - a unique European innovation model - honorable speaker	2022
7.	Workshop on Resilience of People and Ecosystems under Climate Stress organized at Casina Pio IV, Vatican City, 13-14 July 2022, The Pontifical Academy of Sciences - speaker	2022
8.	European Forestry Institute EFI 2022 Annual Conference and Seminar on Biocities, Barcelona, October 2022 – keynote speaker	2022
9.	9-th Strategic Programme Committee Meeting, European Commission, 2 March 2022, Brussels – invited speaker	2022
10.	High-Level Workshop on ‘Research and Innovation for the New European Bauhaus’, jointly organised by DG Research and Innovation and the Joint Research Centre, November 2021	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.	Bioclimatic architecture – lecture for PhD students	On-going
2.	Research trends in architecture and urban planning – lecture for PhD students	On-going
3.	The newest architecture - lecture for PhD students	2016-2021

## 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.	Katarzyna Przybyła	Perspektywy kształtowania podwodnych habitatów mieszkalnych	Sumbitted in July 2023
2.	Agata Woźniczka	Kształtowanie przestrzeni publicznych w kontekście Nowego Europejskiego Bauhausu	On-going
3.	Cansu Iraz Seyrek Sik	Kinetic green façades	On-going

## 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 Polish Academy of Sciences for a habilitation monograph	2019
2.	Gold Badge of Wrocław University of Science and Technology	2017
3.	Bronze medal of the President of the Republic of Poland awarded by President Bronisław Komorowski	2014

## 8. Other significant achievements

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