



## ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

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

#### 1. Basic information

Name, surname:	Ewelina Ortyl
Grade / Title:	PhD
Scientific discipline	<b>inżynieria chemiczna / chemical engineering</b>
Faculty:	W3 Wydział Chemiczny / Faculty of Chemistry
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#### 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.	Régis Barillé, Aleksandra Korbut, Sonia Zielińska, Ewelina Ortyl, Darío G. Pérez, Laser beam shaping using a photoinduced azopolymer droplet-based mask. <i>Applied Optics</i> . 2024, vol. 63, nr 4, s. 990-998.	2024
2.	Aleksandra Korbut, Ewelina Ortyl, Sonia Zielińska, Régis Barillé, Large photo-actuated surface change of an electrospun nanofibrous membrane. <i>Polymer Bulletin</i> . 2023, vol. 80, nr 11, s. 12003-12	2023
3.	Sh. Golghasemi. Sorkhabi, Sohrab Ahmadi-Kandjani, F. Cousseau, Sylvie Dabos-Seignon, M. Loumagne, Ewelina Ortyl, Sonia Zielińska, Régis Barillé, Topological reconstruction of a stretched transparent surface relief grating via an optical diffraction pattern. <i>Applied Optics</i> . 2021, vol. 60, nr 17, s. 5236-5244.	2021
4.	Sh. Golghasemi. Sorkhabi, Sohrab Ahmadi-Kandjani, F. Cousseau, Sylvie Dabos-Seignon, M. Loumagne, Ewelina Ortyl, Sonia Zielińska, Régis Barillé, Multi-scale pattern with surface quasi crystal for wettability tuning. <i>Optics Communications</i> . 2020, vol. 474, art. 126173, s. 1-8.	2020
5.	Adam Szukalski, Aleksandra Korbut, Ewelina Ortyl Structural and light driven molecular engineering in photochromic polymers. <i>Polymer</i> . 2020, vol. 192, art. 122311, s. 1-13.	2020
6.	Régis Barillé, Philippe Codron, Guillaume Mabilieu, Florence Manero, Romain Mallet, Sonia Zielińska, Ewelina Ortyl, Joël Eyer, Franck Letournel, Characterization of cells interactions with patterned azopolymer-based materials using SEM, AFM and video microscopy. <i>The Open Biomedical Engineering Journal</i> . 2018, vol. 12, s. 92-100.	2018
7.	Sh. Golghasemi Sorkhabi, Régis Barillé, Sohrab Ahmadi-Kandjani, Sonia Zielińska, Ewelina Ortyl, A new method for patterning azopolymer thin film surfaces. <i>Optical Materials (Amsterdam)</i> . 2017, vol. 66, s. 573-579.	2017
8.	Sh. Golghasemi. Sorkhabi, Sohrab Ahmadi-Kandjani, F. Cousseau, M. Loumagne, Sonia Zielińska, Ewelina Ortyl, Régis Barillé,	2017



	Surface quasi periodic and random structures based on nanomotor lithography for light trapping. Journal of Applied Physics. 2017, vol. 122, nr 1, art. 015303, s. 1-9.	
9.	Aleksandra Korbut, Sonia Zielińska, Régis Barillé, Jacek Pięłowski, Ewelina Ortyl, The novel photoresponsive oligomers containing azo derivatives of sulfamerazine for spontaneous surface relief grating inscription. European Polymer Journal. 2017, vol. 90, s. 392-406.	2017
10.	Ewelina Ortyl, Sonia Zielińska, Régis Barillé, Yasser Almohamed, Jean-Michel Nunzi, Instantaneous photoinduced patterning of an azopolymer colloidal nanosphere assembly. Optical Materials Express. 2016, vol. 6, nr 9, s. 2925-2932.	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.)	investigator
	Project title	NCBiR: Techmatstrateg II: "Multifunctional composite material with antimicrobial and pro-regenerative properties for the reconstruction of bone tissue"
	Sources of funding	NCBiR
	Name of the call	Techmatstrateg II
	Implementation period	2019-2021
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Investigator, coordinator
	Project title	Polish Ministry of Science and Higher Education (Grant No. 788/N-FRANCJA/2010/0) "Photochromic azopolymers in nanostructures"
	Sources of funding	NCN
	Name of the call	
	Implementation period	2013-2015
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	investigator
	Project title	Wrocław Research Centre EIT+, "NanoMat – The Application of Nanotechnology in Advanced Materials, Nanocomposites and SMART materials"
	Sources of funding	
	Name of the call	
	Implementation period	2013-2014
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.	Polonium 2017/2018, "Microfluidic system for the synthesis and dynamic study of azopolymer nanospheres MEDINA" (coordinator)	2017-2018
2.	The International Associated Laboratory LIA "Nano Photoswitching of Organic materials with Light" (NAPOLI)	2014-2018
3.	Polonium 2014/2015, "Azopolymer nano-objects for applications in photonics and biology" (coordinator)	2014-2015
4.	Polonium 2023-2024, "„Siatki powierzchniowe w filmach azopolimerowych osadzonych na podłożu ciekłym"	2023-2024

#### 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.	Maria Larkowska	Wytwarzanie mikro- i nanostruktur z fotochromowych materiałów hybrydowych metodą elektroprzędzenia	2013
2.	Aleksandra Bućko	Zastosowanie polimerów naturalnych i syntetycznych do wytwarzania nanostruktur zawierających barwniki	2018
3.	Karolina Koszyk	Sieciowanie plastizoli PVC przy użyciu promieniowania elektromagnetycznego z zakresu UV	w trakcie



## 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.*