



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Jaroslav Mysliwec
Grade / Title:	prof. dr hab. inż.
Scientific discipline	Materials Engineering
Faculty:	Faculty of Chemistry
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Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	https://scholar.google.com/citations?user=esUBF1oAAAAJ&hl=pl&authuser=1

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.	Alina Szukalska, Maciej Czajkowski, Joanna Cybinska, and Jarosław Mysliwec, A Spectrally Programmable Liquid-State Active System for High-Performance (SPLASH) Multicolor Lasing and White Emission, <i>Advanced Functional Materials</i> , 2401288 (1-10)	2024
2.	Alina Adamow, Adam Szukalski, Lech Sznitko, Luana Persano, Dario Pisignano, Andrea Camposeo, Jaroslav Mysliwec, Electrically-controlled white laser emission through liquid crystal/polymer multiphases, <i>Light: Science and Applications</i> , No. 9, 19,	2020
3.	Alina Szukalska, Adam Szukalski, Marek Adaszynski, and Jaroslav Mysliwec, White Lasing and White Fluorescence from the Simplified Two-Dyes Organic System, <i>Advanced Optical Materials</i> , 2300266	2023
4.	Luana Persano, Adam Szukalski, Michele Gaio, Maria Moffa, Giacomo Salvadori, Lech Sznitko, Andrea Camposeo, Jaroslav Mysliwec, Riccardo Sapienza, Benedetta Mennucci, and Dario Pisignano, Dye Stabilization and Wavelength Tunability in Lasing Fibers Based on DNA, <i>Advanced Optical Materials</i> , 2001039 (1 of 8)	2020
5.	Szukalski, A; Moffa, M; Camposeo, A; Pisignano, D; Mysliwec, J, All-optical switching in dye-doped DNA nanofibers, <i>Journal of Materials Chemistry C</i> , Volume: 7 Issue: 1 Pages: 170-176	2019
6.	Martyna Durko-Maciąg, Denis Jacquemin, Gilles Ulrich, and Julien Massu, eJaroslav Mysliwec, Color-Tunable Multifunctional Excited-State Intramolecular Proton Transfer Emitter: Stimulated Emission of a Single Dye, <i>Chemistry - A European Journal</i> , Volume 28, Issue 444, e202201327	2022
7.	Lech Sznitko, Tarek Chtouki, Bouchta Sahraoui, and Jaroslav Mysliwec, Bichromatic Laser Dye As a Photonic Random Number Generator, <i>ACS Photonics</i> , 8, 1630–1638,	2021
8.	Kamila M. Łupińska, Martyna Durko-Maciąg, Chantal Andraud, Yann Bretonniere, Piotr Hańczyc, Piotr Fita*, Piotr Szulim, Jarosław Myśliwec,	2023



	Lech Sznitko, One- and two-photon lasing from a TCF-based AIE dye, Journal of Materials Chemistry C, vol. 11, nr 14, s. 4937-4945,	
9.	Thibault Pariat, Maxime Munch, Martyna Durko-Maciag, Jaroslaw Mysliwiec, Pascal Retailleau, Pauline M. Vøritø, Denis Jacquemin, Julien Massue, and Gilles Ulrich, Impact of Heteroatom Substitution on Dual-State Emissive Rigidified 2-(2'-hydroxyphenyl)benzazole Dyes: Towards Ultra-Bright ESIPT Fluorophores, Chemistry - A European Journal, 27, 3483 – 3495,	2021
10.	Anna Popczyk, Yohan Cheret, Abdelkrim El-Ghayoury, Bouchta Sahraoui, Jaroslaw Mysliwiec, Solvatochromic fluorophores based on thiophene derivatives for highly-precise water, alcohols and dangerous ions detection, Dyes and Pigments, 177, 108300	2020

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	Disordered photonics: nano and microresonators as sources of laser light
	Sources of funding	NCN
	Name of the call	OPUS-11
	Implementation period	2017-2021
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Principal investigator
	Project title	Liquid crystalline systems as sources of electrically tunable laser white light
	Sources of funding	NCN
	Name of the call	OPUS-16
	Implementation period	219-2023

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.	Several visits as post-doc, lecturer and visiting professor at University of Angers and Politehnica Bucharest	2007-2023
2.	ENS Lyon, scientific training,	2015
3.	USA, Case Western University, scientific training	2009
4.	Italy, University in Cagliari, post-doc,	2005-2006

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.	Konrad Cyprych	Surface and volume random lasing in organic and biological matrices.	2016
2.	Adam Szukalski	Studies of nonlinear optical and luminescent properties of selected pyrazoline derivatives.	2016
3.	Kacper Parafiniuk	Selected organic gain media for tunable DFB laser action.	2019
4.	Alina Adamow	Light amplification in dye-doped liquid crystalline systems.	2019
5.	Anna Popczyk	D- π -A type of chromophores for light amplification and nonlinear optics applications.	2021
6.	Martyna Durko	Charge transfer compounds as sources of laser light.	2022
7.	Martyna Janeczko	The influence of aggregation of selected organic dyes on luminescent properties and laser light emission.	2023

7. Prizes and awards

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

No.	Description	Year
1.	Scholarship of the Ministry of Science and Higher Education for the best young researchers	2010-2013
2.	Award of The Foundation for Polish Science "Domestic Grant for Young Scientists - START	2006, 2007
3.	Individual award of the Rector of Wrocław Univ. Science and Technology	2008, 2013, 2014, 2015, 2020, 2023
4.	Team award of the Rector of Wrocław Univ. Science and Technology	2010

8. Other significant achievements

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