

Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: Paweł Ogrodnik, dr hab. inż.	
Scientific discipline/ disciplines	Civil Engineering, Geodesy and Transport
Professional development (degrees and titles) in chronological order	2006 – doctor of technical sciences, construction, Lublin University of Technology 2019 – habilitated doctor of technical sciences, Environmental Engineering, Warsaw University of Technology
Most important publications/ patents in the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Ogrodnik P., Rutkowska G., Szulej J., Żółtowski M., Powęzka A., Badyda A. : Cement Mortars with Addition of Fly Ash from Thermal Transformation of Sewage Sludge and Zeolite, <i>Energies</i>, MDPI, vol. 15, nr 4, 2022, s. 1-21, DOI:10.3390/en15041399, 2. Winkler J.; Malovcová M.; Adamcová D.; Ogrodnik P.; Pasternak G.; Zumr D.; Kosmala M.; Koda M.; Vaverková D.M.; Significance of Urban Vegetation on Lawns Regarding the Risk of Fire, <i>Sustainability</i> 2021, 13(19), 11027; doi.org/10.3390/su131911027, IF= 3.251 3. Ogrodnik P., Powęzka O., Piec R., Zwęgliński T., Smolarkiewicz M., Gromek P., Wróbel R., Węsierski T., Majder-Łopatka M., Wąsik W.: Testing Selected Personal Protection Items of Firefighters in Combined Conditions of Mechanical Loads and Temperatures Occurring during Gas LNG Leaks. <i>Energies</i> 2021,14(22):7698, DOI: 10.3390/en14227698, 4. Powęzka, A.; Ogrodnik, P.; Szulej, J.; Pecio, M. Glass cullet as additive to new sustainable composites based on alumina binder, <i>Energies</i> 2021, 14 (12) 3423, 1-22, doi: 10.3390/en14123423, IF=3.004 5. Vaverková M., Winkler J., Uldrijan D., Ogrodnik P., Vespalcová T., Aleksiejuk-Gawron J., Adamcová D., Koda E.: Fire hazard associated with different types of photovoltaic power plants: Effect of vegetation management, <i>Renewable and Sustainable Energy Reviews</i>, 2022/7/1, doi: https://doi.org/10.1016/j.rser.2022.112491, IF= 17,42 6. Rutkowska G., Ogrodnik P., Żółtowski M., Powęzka A., Kucharski M., Krejsa M.: Fly Ash from the Thermal Transformation of Sewage Sludge as an Additive to Concrete Resistant to Environmental Influences in Communication Tunnels, <i>Applied Sciences-Basel</i>, MDPI, vol. 12, nr 4, 2022, s.

	1-20, DOI:10.3390/app12041802, IF=2,679
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral programmes/procedures) in chronological order	<p><u>Completed Doctoral Courses</u></p> <p>Aleksandra Powązka: "Analysis of the possibility of using heat-resistant glass cullet as an aggregate in concrete composites resistant to high temperatures" - 2022</p> <p><u>Open Doctoral Conducts</u></p> <p>Dariusz Baranowski: "Analysis of the usefulness of metallographic tests in post-fire investigations" - Planned defense in 2024.</p>
Project/grants achievements (in the last 10 years)	<p>2013-2016 B-R project financed by (NCBiR) entitled „Development of a methodology for continuous supervision of the operation of selected areas of firefighting equipment in terms of reliability and effectiveness”. Contract number: DOBR-BIO4/051/13087/2013 – Head of the Research Team</p> <p>2015-2018 B-R project financed by (NCBiR) entitled „Development of an innovative safety management system for historic buildings in urbanized city centers”. Contract number: DOB-BIO7/08/01/2015 – Project manager</p> <p>2017-2020 The project is co-financed by the European Union under the action 1.1 „B-R projects of enterprises”, Intelligent Development Operational Program 2014-2020 co-financed by the European Regional Development Fund entitled „Development of an innovative technology of fire-resistant FENIX® aluminum joinery systems and facades for internal and external applications”. POIR.01.01.01-00-00071/16 – Main constructor</p> <p>2018-2023 B-R project financed by (NCBiR) entitled „A training simulator in the use of technical fire protection systems supporting the evacuation of people from buildings”. Contract number: DOB-BIO9/16/01/2018 – Project manager</p>
Topic – research problem – for which the candidate supervisor seeks a doctoral student	<p>1.The use of recycled additives and admixtures in the production of mortars and concretes.</p> <p>2. Problems of fire safety engineering of buildings and structures.</p>
<p><u>Contact details:</u></p> <p>Institute</p> <p>E-mail address</p> <p>Tel.</p>	<p>Institute of Civil Engineering</p> <p>pawel_ogrodnik@sggw.edu.pl</p> <p>795995970</p>