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.	
Academic 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)	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, Energies, 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, Sustainability 2023, 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., Wąskik W.: Testing Selected Personal Protection Items of Firefighters in Combined Conditions of Mechanical Loads and Temperatures Occurring during Gas LNG Leaks. Energies 2021,14(22):7698, DOI: 10.3390/en14227698, 4. Rutkowska G., **Ogrodnik P.,** Powęzka A., Żółtowski M., Chyliński F., Kaszewska K.: Effect of cenospheres on the proprieties of plain concrete exposed to elevated temperaturę, Clean Technologies and Environmental Policy, 2024 doi: 10.1007/s10098-024-03034-3, IF=4,2 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, Renewable and Sustainable Energy Reviews, 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, Applied Sciences-Basel, 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 procedures) in chronological order	**Completed Doctoral Courses** **Aleksandra Powązka:** "Analysis of the possibility of using heat-resistant glass cullet as an aggregate in concrete composites resistant to high temperatures" - 2022
Achievements in the area of projects/grants (in the last 5 years)	**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** **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**
Subject area of the research project for which the candidate student is being recruited	1.The use of recycled additives and admixtures in the production of mortars and concretes. 2. Problems of fire safety engineering of buildings and structures. 3. The influence of fire conditions on building structures.
Contact details: Institute E-mail address Tel.	Institute of Civil Engineering pawel_ogrodnik@sggw.edu.pl 795995970