

Prospective supervisor's form

Name of the supervisor: Ewa Wojciechowska

Academic title: Professor

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Gdańsk University of Technology Faculty of Civil and Environmental Engineering

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Discipline: environmental engineering, mining and pow none

Optional

Key words (obligatory four key words describing research interests / expertise):

constructed wetlands

non-point pollution

stormwater harvesting and reuse

remediation of polluted sediments

Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 50 / 47

2. Citations excluding self-citations WoS 251 Scopus 296

3. Hirsch index WoS 11 Scopus 10

1. The number of PhD students who have graduated under your supervision: 1

2. The number of PhD students currently supervised:

a. within the current doctoral school 0

b. within doctoral studies (previous 2

3. Are you currently accepting new PhD students:

a. Polish Yes/No Yes

b. Foreign Yes/No Yes

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Research interests or topics offered for PhD research (no more than 2000 characters)ⁱⁱ

- 1) The use of Floating treatment wetlands (FTW) for removal of PAHs, heavy metals and arsenic: the evaluation of removal processes and role of plant species
- 2) Stormwater as an alternative water resource for non-potable reuse: the research into qualitative aspects and treatment solutions
- 3) Remediation of sediments from urban retention tanks contaminated with heavy metals using phytoremediation and electrochemical remediation
- 4) Other scientific subjects related to constructed wetlands for treatment of various types of wastewater, phytoremediation, diffuse sources of pollution and their mitigation, water reuse, Nature Based Solutions and sustainable stormwater management - please contact me for details

Funding or special equipment needed to carry out a PhD project ⁱⁱⁱ:

1. Is funding available for experimental work: *Yes/No/not needed*

2. Is the equipment needed to complete a PhD project available in your lab/department: *Yes/No/not needed*

Most important publications – no more than 5 published after 1.01.2018

No	Authors/title/journal	Number of points according to the current list of the Ministry of Science and Higher Education	Publication year
1.	Nawrot, N., Wojciechowska, E., Matej-Łukowicz, K., Walkusz-Miotk J., Pazdro K. (2019). Spatial and vertical distribution analysis of heavy metals in urban retention tanks sediments: a case study of Strzyża Stream. <i>Environmental Geochemistry and Health</i> (2019) https://doi.org/10.1007/s10653-019-00439-8	100	2019
2.	Wojciechowska E., Pietrzak S., Matej-Łukowicz K., Nawrot Nicole, Zima P., Kalinowska D., Wielgat P., Obarska-Pempkowiak H., Gajewska M., Dembska G., Jasiński P., Pazikowska-Sapota G., Galer-Tatarowicz K., Dzierzbicka-Głowacka L. (2019). Nutrient loss from three small-size watersheds in the southern Baltic Sea in relation	100	2019

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3.	Waara S., Wojciechowska E. (2019). Treatment of landfill leachate in a constructed free water surface wetland system over a decade – Identification of disturbance in process behaviour and removal of eutrophying substances and organic material. Journal of Environmental Management. 249 (2019), s.1-9.	100	2019
4.	Matej-Łukowicz K., Wojciechowska E., Nawrot N., Dzierzbicka-Głowacka L. (2020): Seasonal contributions of nutrients from small urban and agricultural watersheds in northern Poland. PeerJ -Vol. 8, (2020), s.1-22	100	2020
5.	Nawrot N., Wojciechowska E., Matej-Łukowicz K., Walkusz-Miotk J., Pazdro K. (2019). Heavy metal accumulation and distribution in Phragmites australis seedlings tissues originating from natural and urban catchment, Environmental Science and Pollution Research, (2019), DOI: 10.1007/s11356-019-07343-9	70	2019

Most recent externally funded projects you were involved in – no more than 3

No	Project title, the name of the Principal Investigator (PI) and the institution the project was carried out	Years	Role in the project ^{iv}
1.	Modelling of the impact of agricultural holdings and land-use structure on the quality of inland and coastal waters of the Baltic Sea WaterPUCK, financed by NCBiR under the Strategic Programs - BIOSTRATEG III.	2017-	Co-I
2.	Integrated technology for improved energy balance and reduced greenhouse gas emissions at municipal wastewater treatment plants, providing stable leachate quality after anamox treatment reactor BARITECH	2013-2017	R
3.	Strategies for sustainable communal waste water management in the Baltic Sea Region akronim SUWMAB; Seed Money Facility of the European Union Strategy for the Baltic Sea Region (EUSBSR Seed Money Facility)	2014-2015	R

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Additional relevant information – (no more than 1600 characters)^v

Two of my PhD students regularly receive Dean's and Rectors scholarships granted for the best PhD students of the Faculty/ discipline and University.

ⁱ You may select up to two disciplines out of 12 disciplines represented in the Doctoral School

ⁱⁱ Observe the limit of not more than 2000 characters

ⁱⁱⁱ Leave only one answer

^{iv} Select the role in the project: PI stands for principal investigator (refers to the holder of an independent grant and the lead researcher for the grant project), Co-I for co-investigator (Co-I assists the principal investigator in the management and leadership of the research project), R for researcher

^v Add any other relevant information e.g. awards for PhD students whom you supervised (no more than 1600 characters)