

# Prospective supervisor's form

Name of the supervisor: Magdalena Gajewska

Academic title: Prof.

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Discipline: environmental engineering, mining and pow none

Optional

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

# Eco-engineering

# Treatment Wetlands

# Environmental Engineering

# Nature Based Solutions for Water Protection

## Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 78/71

2. Citations excluding self-citations WoS 242 Scopus 358

3. Hirsch index WoS 13 Scopus 15

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 1

b. within doctoral studies (previous system) 3

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)<sup>ii</sup>

All offer subjects are related to eco-engineering technologies and could be dedicated to 3 subjects :

1. natural methods of wastewater treatment and disposal of sewage sludge including transformation of nitrogen compounds and new emerging pollutants in wetlands systems or combine technologies like conventional & natural treatment.
2. sustainable water management in urban areas with application of natural based solution for protection and restoration of water bodies as well as resource renewal.
3. research on the application of treatment wetlands for wastewater treatment and water pollution control in the aspect of circular economy

### Funding or special equipment needed to carry out a PhD project <sup>iii</sup>:

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

No

2. Is the equipment needed to complete a PhD project

available in your lab/department: *Yes/No/not needed*

Yes

### 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.	Magdalena Gajewska, Katarzyna Skrzypiec , Krzysztof Józwiakowski, Zbigniew Mucha, Włodzimierz Wójcik, Agnieszka Karczmarczyk, Piotr Bugajski (2020) Kinetics of pollutants removal in vertical and horizontal flow constructed wetlands in temperate climate” Science of The Total Environment, 718 (2020), 137371	200	2020
2.	Kołecka K., Gajewska M., Stepnowski P., Caban M.: (2019), Spatial distribution of pharmaceuticals in conventional wastewater treatment plant with Sludge Treatment Reed Beds technology// SCIENCE OF THE TOTAL ENVIRONMENT. -Vol. 647, s.149-157	200	2019

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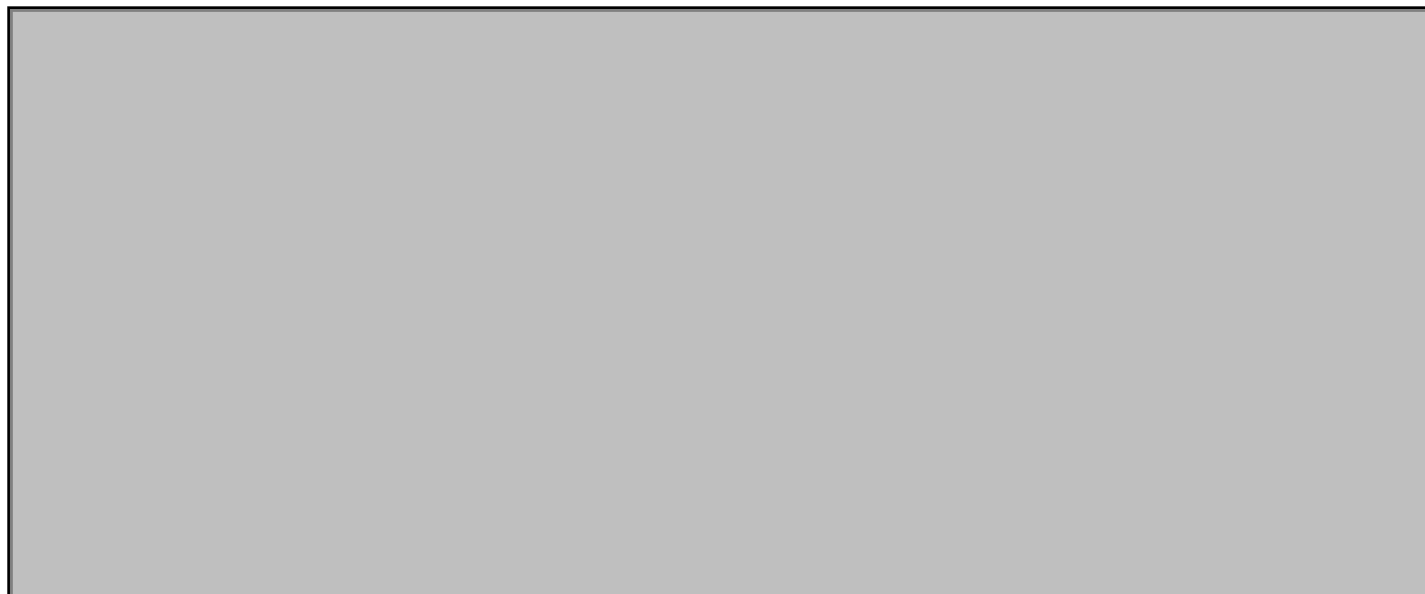
3.	[24] Kasprzyk M., Gajewska M.: (2019), Phosphorus removal by application of natural and semi-natural materials for possible recovery according to assumptions of circular economy and closed circuit of P// SCIENCE OF THE TOTAL ENVIRONMENT. -Vol. 650, nr. Part 1 s.249-256	200	2019
4.	Marzec M., Gizińska-Górna M., Józwiakowski K., Pytka-Woszczyło A., Kowalczyk-Juśko A., Gajewska M.: (2019) The efficiency and reliability of pollutant removal in a hybrid constructed wetland with giant miscanthus and Jerusalem artichoke in Poland// ECOLOGICAL ENGINEERING. -Vol. 127, , s.23-35	100	2019
5.	[19] Józwiakowski K., Bugajski P., Kurek K., De M., Almeida M., Siwiec T., Borowski G., Czekąła W., Dach J., Gajewska M.: The efficiency and technological reliability of biogenic compounds removal during long-term operation of a one-stage subsurface horizontal flow constructed wetland// SEPARATION AND PURIFICATION	140	2018

#### 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 <sup>iv</sup>
1.	INTERREG PLATFORM t no # C001 BSR WATER pt. "Platform of Integrated Water Cooperation" –	2019-2021	Co-I
2.	INTERREG BSR projekt no # R090 "Baltic Beach Wrack - Conversion of a nuisance to a resource and asset" CONTRA -	2019-2021.	Co-I
3.	INTERREG BSR no # R093 "Protecting Baltic Sea from untreated wastewater spillages during flood events in urban area" NOAH-	2019-2021	Co-I

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Additional relevant information (no more than 1600 characters)<sup>v</sup>



- <sup>i</sup> You may select up to two disciplines out of 12 disciplines represented in the Doctoral School
- <sup>ii</sup> Observe the limit of not more than 2000 characters
- <sup>iii</sup> Leave only one answer
- <sup>iv</sup> 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
- <sup>v</sup> Add any other relevant information e.g. awards for PhD students whom you supervised (no more than 1600 characters)