

Prospective supervisor's form

Name of the supervisor: Michał SZYDŁOWSKI

Academic title: associate professor

Orcid ID number: <https://orcid.org/0000-0003-3409-591X>

Gdańsk University of Technology Faculty of Civil and Environmental Engineering

Department of Hydro-engineering

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Personal web page: <https://pg.edu.pl/>

Discipline: civil engineering and transport [ILiT] environmental engineering, mining and po

Optional

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

hydraulics and hydrology

mathematical modeling

flood risk

rivers and resevoirs

Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 18/22

2. Citations excluding self-citations WoS 28 Scopus 41

3. Hirsch index WoS 4 Scopus 5

1. The number of PhD students who have graduated under your supervision: 0

2. The number of PhD students currently supervised:

a. within the current doctoral school 0

b. within doctoral studies (previous syste 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)ⁱⁱ

- 1) hydrological and hydraulic aspects of flood protection,
- 2) run – off from natural watersheds and urban areas,
- 3) unsteady flow and flood routing in open channels,
- 4) unsteady flow over floodplains and in shallow reservoirs,
- 5) hydraulics of bridges and culverts
- 6) dam breaks

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.	Mustafa A., Szydłowski M. (2020), The Impact of Spatiotemporal Changes in Land Development (1984–2019) on the Increase in the Runoff Coefficient in Erbil, Kurdistan Region of Iraq, Remote Sensing, 12 (8), 1302.	100	2020
2.	Kolerski T., Zima P., Szydłowski M. (2019), Mathematical Modeling of Ice Thrusting on the Shore of the Vistula Lagoon (Baltic Sea) and the Proposed Artificial Island, Water, 11(11), 2297.	70	2019

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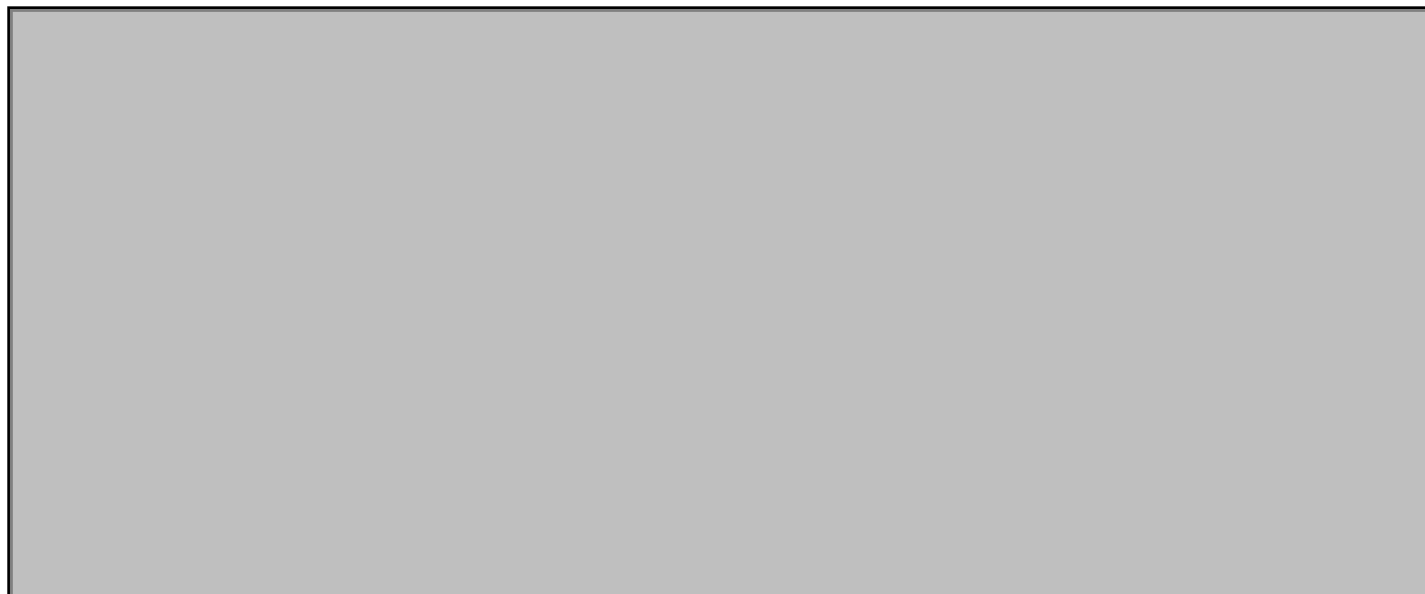
3.	Szydłowski M., Kolerski T., Zima P. (2019), Impact of the Artificial Strait in the Vistula Spit on the Hydrodynamics of the Vistula Lagoon (Baltic Sea), <i>Water</i> , 11(5), 990.	70	2019
4.	Szydłowski M. (2019), Hydraulic Analysis of Causes of Washout of Gdynia-Orłowo Seashore during the Flood in the Kacza River Estuary, <i>Polish Maritime Research</i> , Vol. 26, 1(101), 174-182.	70	2019
5.			

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.	Stormwater and snowmelt runoff storage control and flash flood hazard forecasting in the urbanized coastal basin, Provincial Fund For Environmental Protection and Water Management	2015-2017	PI
2.			PI
3.			PI

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



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)