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Disciplineⁱ environmental engineering, mining and power engineering

Bibliometric indicators

1.	Number of journal publications in WoS/ Scopus	24/25
2.	Citations (WoS/Scopus) excluding self-citations	158/233
3.	Hirsch index (WoS/Scopus)	8/9
4.	Hirsch index in Google Scholar	11
5.	Citations in Google Scholar	451

1. The number of PhD students who have graduated under your supervision: 0
2. The number of PhD students currently supervised: 1
3. Are you currently accepting new PhD students:
 - a. Polish Yes
 - b. Foreign Yes

PhD Advisor form

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

- phosphorus and nitrogen removal
- municipal and industrial wastewater treatment systems including nutrient and energy recovery
- co-fermentation with substrates from the food industry
- new generation pollutants
- management of water and wastewater systems in industry,
- environmental impact assessment - water and wastewater problems.

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

1. Is funding available for experimental work: No
2. Is the equipment needed to complete a PhD project available in your lab/department: Yes

Most recent publications in WoS/SCOPUS journal – no more than 5 published after 1.01.2017

No	Authors/title/journal	Journal IF/Quartile – for WoS and SNIP/ CiteScore for SCOPUS	Publication year
1.	Ciesielski S., Czerwionka K., Sobotka D., Dulski T., Mąkinia J. / The metagenomic approach to characterization of the microbial community shift during the long-term cultivation of anammox-enriched granular sludge / JOURNAL OF APPLIED GENETICS	IF=1.756 SNIP=0,700	2018
2.	Xiang H., Sobotka D., Czerwionka K., Zhou Q., Xie L., Mąkinia J. / Effects of different external carbon sources and electron acceptors on interactions between denitrification and phosphorus removal in BNR processes / Journal of Zhejiang University-SCIENCE B	IF= 1,815 SNIP = 0,862	2018
3.	Zaborowska E., Czerwionka K., Mąkinia J. / Strategies for achieving energy neutrality in biological nutrient removal systems - a case study of the Slupsk WWTP (northern Poland) / WATER SCIENCE AND TECHNOLOGY	IF= 1.247 SNIP = 0,574	2017
4.	Sobotka D., Tuszyńska A., Kowal P., Ciesielski S., Czerwionka K., Mąkinia J. / Long-term performance and microbial characteristics of the anammox-enriched granular sludge cultivated in a bench-scale sequencing batch reactor / BIOCHEMICAL ENGINEERING JOURNAL	IF= 3.226 SNIP = 1,149	2017

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5.	Lu X., Yin Z., Sobotka D., Wiśniewski K., Czerwionka K., Xie L., Zhou Q., Mąkinia J. / Modeling the pH effects on nitrogen removal in the anammox-enriched granular sludge / WATER SCIENCE AND TECHNOLOGY	IF= 1.247 SNIP = 0,574	2017
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	Year awarded	Role in the project
1.	“Development of the technology for preparation substrates used in methane co-fermentation by disintegration methods”, funded by European Regional Development Fund within the framework of Smart Growth Operational Programme 2014-2020 Gdańsk University of Technology Faculty of Civil And Environmental Engineering	2018-2020	project leader
2.	“Integrated technology for improved energy balance and reduced greenhouse gas emissions at municipal wastewater treatment plants”, funded from Norway Grants in the Polish-Norwegian Research Programme operated by the National Centre for Research and Development (Poland) Gdańsk University of Technology Faculty of Civil And Environmental Engineering	2013-2017	task leader
3.	“Carbon balancing for nutrient control in wastewater treatment” (), funded by EU under the People Maria Curie Actions (FP7-PEOPLE-2011-IRSES), Gdańsk University of Technology Faculty of Civil And Environmental Engineering	2012-2016	foreign scientists guardian
Additional relevant information – (no more than 1600 characters)^{iv} (Please fill in here)			

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 300 words

ⁱⁱⁱ Leave only one answer

^{iv} Add any other relevant information eg. awards for PHD students whom you supervised (no more than 200 words)