

Name of the advisor: Grzegorz Boczkaj**Academic title: PhD. Sc. Eng.**Orcid ID number: <https://orcid.org/0000-0002-5874-7591>**Department of Process Engineering and Chemical Technology****Faculty of Chemistry****Gdańsk University of Technology****Phone: +48 347 28 10****E-mail: grzegorz.boczkaj@pg.edu.pl****Personal web page: www.pg.edu.pl/grzegorz.boczkaj****Disciplineⁱ chemical sciences; environmental engineering, mining and power engineering****Bibliometric indicators**

1.	Number of journal publications in WoS/ Scopus	36/34
2.	Citations (WoS/Scopus) excluding self-citations	285(WoS)/413 Scopus
3.	Hirsch index (WoS/Scopus)	14(WoS)/15 Scopus
4.	Hirsch index in Google Scholar	16
5.	Citations in Google Scholar	803

1. The number of PhD students who have graduated under your supervision: 2

2. The number of PhD students currently supervised: 5

3. Are you currently accepting new PhD students:

a. Polish Yes

b. Foreign Yes

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

Advanced Oxidation Processes (AOPs); applications of cavitation phenomena in chemical engineering; separation techniques; chromatography; adsorption; new types of sorbents; deep eutectic solvents; DES; extraction; kinetics studies; wastewater treatment; hydrocarbons processing; bitumen technology; environmental protection; environmental engineering; chemical engineering; chemical technology; technical analytics; analytical chemistry.

PhD Advisor form

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

1. Is funding available for experimental work: Yes
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.	G. Boczkaj, A. Fernandes, 2017, Wastewater treatment by means of Advanced Oxidation Processes at basic pH conditions: A review, Chem. Eng. J. 320, 608-633	IF6,735/Q1; SNIP:1,946, Citescore: 7,01	2018
2.	M. G ¹ gol , A. Przyjazny , G. Boczkaj, 2018, Wastewater treatment by means of advanced oxidation processes based on cavitation – A review, Chem. Eng. J. 338, 599-627	IF6,735/Q1; SNIP:1,946, Citescore: 7,01	2018
3.	G. Boczkaj, M. G ¹ gol, M. Klein, A. Przyjazny, 2018, Effective method of treatment of effluents from production of bitumens under basic pH conditions using hydrodynamic cavitation aided by external oxidants, Ultrason. Sonochem. 40, 969-979	IF6,012/Q1; SNIP:2,066, Citescore: 5,9	2018
4.	N. S Shah, J. A. Khan, M. Sayed, Z. U. H. Khan, A. D. Rizwan, N. Muhammad, G. Boczkaj, et al. 2018, Solar light driven degradation of norfloxacin using as-synthesized Bi ³⁺ and Fe ²⁺ Co-doped ZnO with the addition of HSO ₅ ⁻ : Toxicities and degradation pathways investigation, Chem. Eng. J. 351, 841-855	IF6,735/Q1; SNIP:1,946, Citescore: 7,01	2018
5.	M. G ¹ gol, A. Przyjazny, G. Boczkaj, 2018, Highly effective degradation of selected groups of organic compounds by cavitation based AOPs under basic pH conditions, Ultrason. Sonochem. 45, 257-266.	IF6,012/Q1; SNIP:2,066, Citescore: 5,9	2018

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

No	Project title, the name of the Princ. Investigator (PI) and the institution the project was carried out	Year awarded	Role in the project
1.	Study of transformations of chemical compounds under cavitation conditions, G. Boczkaj (PI), National Science Centre.	2018	PI
2.	Research on novel types of extraction and sorption media, G. Boczkaj (PI), National Science Centre.	2018	PI

PhD Advisor form

3.	Studies on the preparation and properties of sorbents produced from bitumen (BitumSorbent), G. Boczkaj (PI), The National Centre for Research and Development.	2015	PI
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Additional relevant information – (no more than 1600 charters)^{iv}

One (of 2) supervised PhD student obtained a PhD title with honours. A large number of studies is performed in cooperation with the industrial partners. Listed projects are performed in international scientific environment, including cooperation with foreign scientific partners. It is possible to obtain additional scholarship from one of the listed projects.

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)