

**Name of the advisor: Rafał Tytus Bray**

**Academic title: Ph.D., D. Sc., Eng., Assoc. Prof.**

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**Discipline<sup>i</sup> : environmental engineering, mining and power engineering**

**Bibliometric indicators**

1.	Number of journal publications in WoS/ Scopus	10/11
2.	Citations (WoS/Scopus) excluding self-citations	40/45
3.	Hirsch index (WoS/Scopus)	3/4
4.	Hirsch index in Google Scholar	5
5.	Citations in Google Scholar	112

1. The number of PhD students who have graduated under your supervision: 1 (auxiliary promoter)
2. The number of PhD students currently supervised: 0
3. Are you currently accepting new PhD students:
  - a. Polish Yes
  - b. Foreign No

PhD Advisor form

**Research interests or topics offered for PhD research:**

1. Treatment of ground and surface water.
2. Sizes of particles formed during coagulation processes.
3. Particle size in water treatment processes
4. Removal of heavy metals from underground and surface water.
5. The use of membrane processes in water treatment.
6. Disinfection of water and wastewater.

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

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.	Slipkan A., Shtemenko, N., <b>Bray R.</b> , Obarska-Pempkowiak H., Shtemenko, A.. Aggregation properties of some zirconium phosphate loaded with dirhenium(III) complexes. Vaprosy Khimii i Khimicheskoi Tekhnologii, 2018, , iss. 6, s.72-76		2018
2.	Rajca M., <b>Bray R.T.</b> , Sokołowska A., Kulbat E. (2018): Investigation of MIEX <sup>®</sup> resin sedimentation in the aspect of particle sizes remaining in the supernatant. Desalination and Water Treatment. Vol. 128.	1,383/Q3	2018
3.	Rajca M., <b>Bray R.T.</b> , Fitobór K., Gołombek K. (2018): Laser granulometer as an useful tool for selection of appropriate membranes used in the miex <sup>®</sup> -doc-uf/mf hybrid process. Archives of Metallurgy and Materials. 63 (2018), 3, pp 1133-1140.	<b>0,625/Q2</b>	2018

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4.	<b>Bray R.,</b> Fitobór K. (2017): Sizes of iron hydroxide particles formed during ferric coagulation processes. Desalination and Water Treatment. Vol. 64, pp 419-424.	1,383/Q3	2017
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	Year awarded	Role in the project
1.	Investigation the susceptibility of water distributed in the water supply network to the secondary growth of bacteria. (2010 - 2014) Grant MNiSW, Project No. 5596 / B / T02 / 2010/38	2010-2014	PI/co-PI/ <u>R</u>
2.	New methods of emission reduction of selected pollutants and application of by-products from sewage treatment plants. Task 2: Disinfection methods for treated wastewater discharged into surface waters, EEA Grants E007/P01/2007/01/85	2007-2010	PI/co-PI/ <u>R</u>
3.	The role of microorganisms in the development of quartz forming deposits, KBN Grant, Project No. 7 T09D 0176 21	2001-2003	<u>PI</u> /co-PI/R

**Additional relevant information – (no more than 1600 characters)<sup>iv</sup>** (Please fill in here)

## PhD Advisor form

<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 300 words <sup>iii</sup> Leave only one answer

<sup>iv</sup> Add any other relevant information eg. awards for PHD students whom you supervised (no more than 200 words)