

# Prospective supervisor's form

Name of the supervisor: Jarosław Chojnacki

Academic title: Professor

Orcid ID number: <https://orcid.org/0002-2453-8214>

Faculty of Chemistry

Gdańsk University of Technology Department of Inorganic Chemistry

Phone: +48 347 2776

E-mail: jaroslaw.chojnacki@pg.edu.pl

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

Discipline: chemical sciences [NCh] none

Optional

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

# crystallography

# coordination chemistry

# crystal engineering

# intermolecular interactions

## Bibliometric indicators

1. Number of journal publications in WoS/ Scopus 118 /126

2. Citations excluding self-citations WoS 897 Scopus 941

3. Hirsch index WoS 16 Scopus 17

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

2. The number of PhD students currently supervised:

a. within the current doctoral school 0

b. within doctoral studies (previous 1

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>

1. structure of hybryde inorganic-organic framework materials, especially coordination compounds built from metal salts and thioureas
2. investigation of intermolecular interactions, including halogen and chalcogen bonding and stacking interactions, in crystalline materials using crystallographic and quantum chemistry methods

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.	D. Rosiak, A. Okuniewski, J. Chojnacki: Novel complexes possessing Hg-(Cl, Br, I)...O=C halogen bonding and unusual Hg <sub>2</sub> S <sub>2</sub> (Br/I) <sub>4</sub> kernel. The usefulness of tau <sup>4</sup> ' structural parameter, Polyhedron 146 (2018) 35-41 [doi:10.1016/j.poly.2018.02.016].	100	2018
2.	D. Rosiak, A. Okuniewski, J. Chojnacki: Copper(I) iodide ribbons coordinated with organic thiourea ligands. Acta Cryst. C 74 (2018), 1650-1655	140	2018

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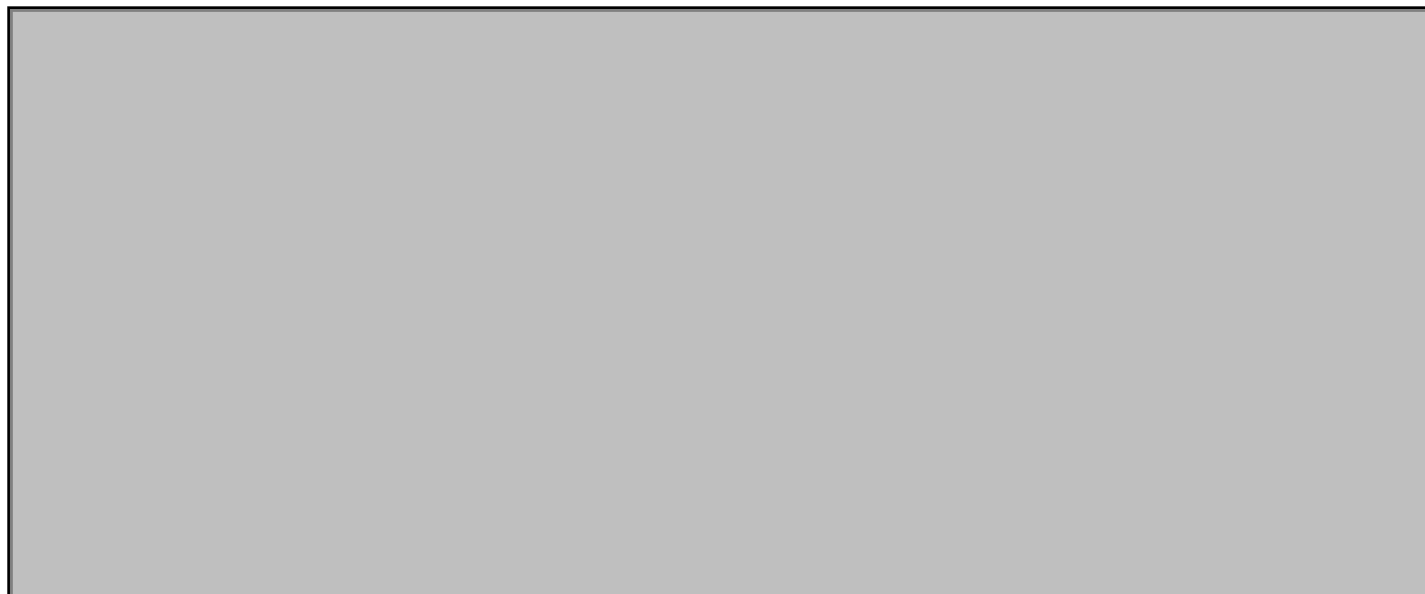
3.	A. Okuniewski, D. Rosiak, J. Chojnacki: Impact of the anion and chalcogen on the crystal structure and properties of 4,6-dimethyl-2-pyrimido(thio)onium halides, <i>Acta Cryst. C</i> 76 (2020), 468-475, doi: 10.1107/S2053229620005525	140	2020
4.	A. Ordyszewska, N. Szykiewicz, E. Perzanowski, J. Chojnacki, A. Wiśniewska, R. Grubba: Structural and spectroscopic analysis of a new family of monomeric diphosphinoboranes, <i>Dalton Trans.</i> (2019), 48, 12482-12495, doi: 10.1039/C9DT02195G.	140	2019
5.	A. Ordyszewska, N. Szykiewicz, J. Chojnacki, J. Pikies, R. Grubba: The Reactivity of Phosphanylphosphinidene Complexes of Transition Metals Toward Terminal Dihaloalkanes, <i>Inorg. Chem.</i> 59 (2020) 8, 5463-5474, doi: 10.1021/acs.inorgchem.0c00091	140	2020

**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.			PI
2.			PI
3.			PI

## Prospective supervisor's form

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)