






## ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

### DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

#### 1. Basic information

|   |   |
|---|---|
| Name, surname:  | Agnieszka Saeid   |
| Grade / Title:  | doktor habilitowany inżynier  |
| Scientific discipline   | <b>inżynieria chemiczna / chemical engineering</b>  |
| Faculty:  | W3 Wydział Chemiczny / Faculty of Chemistry   |
| Email address:  | agnieszka.saeid@pwr.edu.pl  |
| Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.) |  <a href="https://orcid.org/0000-0002-1755-3002">https://orcid.org/0000-0002-1755-3002</a><br> <a href="https://www.researchgate.net/profile/Agnieszka_Saeid">https://www.researchgate.net/profile/Agnieszka_Saeid</a><br> <a href="https://publons.com/researcher/1349486/agnieszka-saeid/">https://publons.com/researcher/1349486/agnieszka-saeid/</a> |

#### 2. Publication record

Up to 10 most important papers published over the period of previous 10 years.

| No. | Description (authors, publication title, journal / conference, DOI)  | Publication year |
|-----|--|------------------|
| 1.  | Sai Shiva Krishna Prasad Vurukonda, Vasileios Fotopoulos, Agnieszka Saeid/Production of a Rich Fertilizer Base for Plants from Waste Organic Residues by Microbial Formulation Technology. <b>Microorganisms</b> 12(3), 541.   | 2024             |
| 2.  | Jennifer Michellin. Kiruba N, Agnieszka Saeid/An insight into microbial inoculants for bioconversion of waste biomass into sustainable "bio-organic" fertilizers: a bibliometric analysis and systematic literature review. <b>International Journal of Molecular Sciences</b> vol. 23, nr 21, art. 13049, s. 1-33.  | 2022             |
| 3.  | Aleksandra Pięta, Ewa Żymańczyk-Duda, Małgorzata Brzezińska-Rodak, Maciej Duda, Jakub Grzesiak, Agnieszka Saeid, Małgorzata M. Mironiuk, Magdalena Klimek-Ochab/Biogenic synthesis of silica nanoparticles from corn cobs husks. Dependence of the productivity on the method of raw material processing. <b>Bioorganic Chemistry</b> vol. 99, art. 103773, s. 1-13. | 2020             |
| 4.  | Saeid Agnieszka, Ami Patel/Valorization of ash and spent mushroom substrate via solid-state solubilization by <i>Acidithiobacillus ferrooxidans</i> . <b>Waste management</b> 2019, 87, 612–620.   | 2019             |
| 5.  | Agnieszka Saeid [Red.] Food biofortification technologies. Boca Raton: CRC Press/Taylor & Francis Group, cop. 2018. 336 s. (Contemporary Food Engineering).  | 2018             |
| 6.  | Wyciszkievicz Małgorzata, Saeid Agnieszka, Samoraj Mateusz, Chojnacka Katarzyna/Solid-state solubilization of bones by <i>B. megaterium</i> in spent mushroom substrate as a medium for a phosphate enriched substrate. <b>Journal of Chemical Technology and Biotechnology</b> , 92, 1397-1405.   | 2017             |
| 7.  | Wyciszkievicz Małgorzata, Saeid Agnieszka, Chojnacka Katarzyna/ <i>In situ</i> solubilization of phosphorus bearing raw materials by <i>Bacillus megaterium</i> . <b>Engineering in life science</b> , 17, 749-758   | 2017             |
| 8.  | Wyciszkievicz Małgorzata, Saeid Agnieszka, Dobrowolska-Iwanek Justyna  | 2016             |



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|-----|---|------|
|     | Chojnacka Katarzyna/Utilization of microorganisms in the solubilization of low-quality phosphorus raw material. <b>Ecological Engineering</b> 89, 109–113.  |      |
| 9.  | Saeid Agnieszka, Chojnacka Katarzyna, Opaliński Sebastian, Korczyński Mariusz/Biomass of <i>Spirulina maxima</i> enriched by biosorption process as a new feed supplement for laying hens. <b>Algal Research</b> , 19, 342-347. | 2016 |
| 10. | Saeid Agnieszka†, Chojnacka Katarzyna (2015) Toward production of microalgae in photobioreactors under temperate climate. <b>Chemical Engineering Research &amp; Design</b> 93, 377-391.  | 2015 |

### 3. Projects and grants

List of the most important 5 projects/grants with basic description including: title, source(s) of funding, name of the call, role in the project (e.g., principal investigator).

|    |   |   |
|----|---|---|
| 1. | Role in the project (e.g., principal investigator, work package leader, etc.) | <b>principal investigator</b>   |
|    | Project title   | <i>Mechanism of microbially-mediated transformation of nutrients from agri-food wastes via different scenarios of biofertilizer introduction into the soil system: soil colonization/plant infection.</i> |
|    | Sources of funding  | National Science Center   |
|    | Name of the call  | SONATA BIS  |
|    | Implementation period   | 2022-10-03 - 2026-10-02   |
| 2. | Role in the project (e.g., principal investigator, work package leader, etc.) | <b>principal investigator</b>   |
|    | Project title   | <i>Nutrients biosolubilization assisted by bioaugmentation of heavy metal-contaminated soils.</i>   |
|    | Sources of funding  | National Science Center   |
|    | Name of the call  | Preludium Bis   |
|    | Implementation period   | 2022-02-28 - 2026-02-27   |
| 3. | Role in the project (e.g., principal investigator, work package leader, etc.) | <b>principal investigator</b>   |
|    | Project title   | <i>Biofortification of plant biomass with selenium by utilization of biofertilizers obtained via microbiological solubilization.</i>  |
|    | Sources of funding  | National Centre for Research and Development  |
|    | Name of the call  | 2nd Call for Proposals for joint Polish-South African/South-African-Polish research projects  |
|    | Implementation period   | 2019-06-01 - 2023-11-30   |
| 4. | Role in the project (e.g., principal investigator, work package leader, etc.) | <b>principal investigator</b>   |
|    | Project title   | <i>Phosphorus renewable raw materials – a resource base for new generation of fertilizers.</i>  |
|    | Sources of funding  | National Centre for Research and Development  |
|    | Name of the call  | Program Badań Stosowanych   |
|    | Implementation period   | 2013-11-01 - 2017-10-31   |



|    |   |  |
|----|---|--|
| 5. | Role in the project (e.g., principal investigator, work package leader, etc.) | <b>principal investigator</b>  |
|    | Project title   | <i>An alternative method of manufacture of phosphate fertilizers by biological digestion of low quality raw materials.</i> |
|    | Sources of funding  | Ministry of Science and Higher Education   |
|    | Name of the call  | Projekt badawczy   |
|    | Implementation period   | 2009-09-22 - 2013-09-21  |

#### 4. International experience

*Brief description of international cooperation and experience (e.g., research stays, cooperation with foreign entities, coordination or participation in international projects or programmes, keynote speeches and presentations delivered at renowned international conferences, visiting professor stays, invited lectures).*

| No. | Description  | Year(s)  |
|-----|--|--|
| 1.  | Scholarship for international post-graduate studies financed by the European Union Program Marii Curie Action 08 I 2007-11 VII 2008  | 2007-2008  |
| 2.  | Member of expert teams reviewing research projects financed from international funds such as the:<br>The National Research Foundation (NRF) in Sought Africa,<br>National Center of Scientific and Technical Evaluation (NCSTE) in Kazakhstan,<br>European Union within the Horizon 2020 and Horizon Europe framework<br>Marie Skłodowska Curie Actions-Individual Fellowships<br>UNIVERSIDAD DE SALAMANCA<br>Qatar University - Office of Research Support (ORS)<br>UK Research and Innovation. | 2018<br>2023<br>2020-2024<br>2020-2024<br>2023<br>2023<br>2024 |
| 3.  | short-term internship - Division of Dairy Microbiology, Mansinhbhai Institute of Dairy & Food Technology- MIDFT, Mehsana, Gujarat, India; <b>6-13.09.2018</b>  | 2018   |

#### 5. Experience in teaching doctoral students

*Brief description of experience in teaching doctoral students (e.g., courses in doctoral schools and PhD studies, summer/winter schools for doctoral students, tutorials, trainings, etc.).*

| No. | Description   | Year(s)                |
|-----|---|------------------------|
| 1.  | Modeling of the interdependence of phenomena and statistical inference - a practical approach | 2022/2023              |
| 2.  | Recent research trends in chemical engineering  | 2021/2022<br>2022/2023 |
| 3.  |   |                        |

#### 6. List of supervised doctoral students

*List of all supervised doctoral students that defended the PhD including: name of the student, dissertation title, year of awarding PhD.*

| No. | Name, surname | Dissertation title | Year of awarding PhD |
|-----|---------------|--------------------|----------------------|
| 1.  |               |                    |                      |



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|----|--|--|--|
| 2. |  |  |  |
| 3. |  |  |  |

## 7. Prizes and awards

*The most important national and international prizes and awards related to research, development and teaching activities.*

| No. | Description   | Year |
|-----|---|------|
| 1.  | Ministry of Science and Higher Education Scholarship for outstanding scientific achievements<br>Scholarship for outstanding Young Scientists 1.01.2017-31.12.2019 | 2017 |
| 2.  |   |      |
| 3.  |   |      |

## 8. Other significant achievements

*Information on other significant achievements related to research, development and teaching activities.*