

chemical sciences

Szkola Doktorska na Politechnice Gdańskiej - Lista potencjalnych promotorów dla doktorantów w ramach Szkoły Doktorskiej - Rok akademicki 2026/2027

Lp./No.	Stopień/Degree	Imię/First name	Nazwisko/Last name	Zatrudnienie/Employment	Słowa kluczowe/Key words	Przyjmowanie nowych doktorantów - Polaków /Accepting new Polish PhD students (Yes / No)	Przyjmowanie nowych doktorantów - cudzoziemców /Accepting new foreign PhD students (Yes / No)	Liczba doktorantów, których może przyjąć pod opiekę w r.a. 2026/2027/ Number of PhD students to can be supervised in the doctoral school in a.y. 2026/2027
1	prof. dr hab. inż.	Maciej	Bagiński	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Pharmaceutical Technology and Biochemistry	<ol style="list-style-type: none"> 1. medicinal chemistry 2. computer aided drug desig 3. molecular modeling 4. computational chemistry 	Yes	Yes	3
2	dr hab. inż.	Piotr	Bruździak	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. Protein aggregation 2. Protein gel 3. Spectroscopy 4. DFT calculations 	Yes	No	3
3	dr hab. inż.	Grzegorz	Cholewiński	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. organic synthesis 2. medicinal chemistry 3. cytotoxic activity 4. immunosuppressive activity 	Yes	Yes	2
4	dr hab. inż.	Hubert	Cieśliński	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. biotransformation 2. bioconversion 3. green chemistry 4. bioprospecting 	Yes	No	3

5	prof. dr hab. inż.	Jacek	Czub	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. computational chemistry 2. molecular biophysics 3. molecular dynamics 4. statistical thermodynamics 	Yes	Yes	3
6	prof. dr hab. inż.	Janusz	Datta	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Polymer Technology	<ol style="list-style-type: none"> 1. Biopoliuretany, Recykling chemiczny, Ciecze jonowe 2. Mikroplastiki, zanieczyszczenia środowiska 3. Biopoliuretany, Biodendrymery, właściwości 4. Synteza i badanie właściwości 	Yes	No	3
7	dr hab. inż.	Sebastian	Demkowicz	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. mechanochemistry 2. enzyme inhibition 3. steroid sulphatase 4. organic/medicinal chemistry 	Yes	Yes	3
8	prof. dr hab. inż.	Anna	Dołęga	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Inorganic Chemistry	<ol style="list-style-type: none"> 1. Silver 2. Coordination complexes 3. Cytotoxicity 4. Redox reactions 	Yes	Yes	3
9	prof. dr hab. inż.	Krystyna	Dzierzbicka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. oligopeptides 2. heterocyclic compounds 3. synthesis 4. sugar derivatives 	Yes	No	3
10	dr hab. inż.	Iwona	Gabriel	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Pharmaceutical Technology and Biochemistry	<ol style="list-style-type: none"> 1. fungi 2. regenerative potential 3. secondary metabolites 4. enzymes 	Yes	Yes	3

11	dr hab.	Agnieszka	Gajewicz-Skrętna	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. structure-property relationship 2. machine learning & artificial intelligence 3. safe-by-design 4. environmental contaminants 	Yes	Yes	3
12	dr hab. inż.	Jacek	Gębicki	Faculties of Gdańsk University of Technology, Faculty of Chemistry	<ol style="list-style-type: none"> 1. Biofiltration 2. Odors 3. Process control 4. Deodorization 	Yes	Yes	3
13	dr hab. inż.	Rafał	Grubba	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Inorganic Chemistry	<ol style="list-style-type: none"> 1. boron 2. phosphorus 3. Lewis acids 4. Lewis bases 	Yes	No	3
14	dr hab. inż.	Weronika	Hewelt-Belka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. lipidomics 2. mass spectrometry 3. LC-MS 4. sample preparation 	Yes	Yes	3
15	dr hab. inż.	Lucyna	Holec-Gąsior	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. recombinant antigens 2. Borrelia burgdorferi s.l. 3. serodiagnosis 4. ELISA 	Yes	No	3
16	dr hab. inż.	Katarzyna	Januszewicz	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Energy Conversion and Storage	<ol style="list-style-type: none"> 1. pyrolysis 2. reforming 3. hydrogen 4. waste plastic 	Yes	Yes	3

17	prof. dr hab. inż.	Lidia	Jasińska-Walc	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Laboratory of Applied Macromolecular Materials	<ol style="list-style-type: none"> 1. polymer chemistry 2. molecular structure 3. catalysis 4. post-reactor modification 	Yes	Yes	3
18	dr hab.	Christian	Jungnickel	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. Predictive modelling 2. Digestion 3. QSPR 4. Surface Chemistry 	Yes	Yes	3
19	prof. dr hab. inż.	Adam	Kłoskowski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. artificial intelligence 2. transformer-based neural network 3. materials design 4. hydrogen production 	Yes	Yes	3
20	prof. dr hab. inż.	Piotr	Konieczka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. heavy metals 2. fossil resin 3. spectroscopy 4. chemical metrology 	Yes	Yes	3
21	dr hab. inż.	Donata	Konopacka-Lyskawa	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Process Engineering and Chemical Technology	<ol style="list-style-type: none"> 1. carbon dioxide capture 2. process intensification 3. crystallization 4. biochar from wastes 	Yes	Yes	3
22	dr hab. inż.	Joanna	Krakowiak	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. redox flow battery 2. electrochemical impedance spectroscopy 3. energy storage 4. state of health 	Yes	No	3

23	dr hab. inż.	Justyna	Kucińska-Lipka	Vice-Rector For Development	<ol style="list-style-type: none"> 1. biopolymers 2. hydrogels 3. wound dressings 4. polymeric coatings 	Yes	No	3
24	dr hab. inż.	Błażej	Kudlak	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. mixture studies 2. environmental monitoring 3. environmental pollution 4. xenobiotics 	Yes	Yes	3
25	dr hab. inż.	Barbara	Kusznierewicz	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry Technology and Biotechnology of Food	<ol style="list-style-type: none"> 1. Phytochemicals 2. Metabolomics 3. Chromatography 4. Mass spectrometry 	Yes	No	3
26	dr hab. inż.	Tomasz	Laskowski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Pharmaceutical Technology and Biochemistry	<ol style="list-style-type: none"> 1. NMR 2. molecular modelling 3. chemical synthesis 4. spectroscopic methods 	Yes	No	3
27	prof. dr hab.	Anna	Lisowska-Oleksiak	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry and Technology of Functional Materials	<ol style="list-style-type: none"> 1. water splitting 2. biomass derived electrode material 3. high entropy oxides 4. green hydrogen 	Yes	Yes	2
28	dr hab. inż.	Justyna	Łuczak	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Process Engineering and Chemical Technology	<ol style="list-style-type: none"> 1. electrocatalysis 2. photocatalysis 3. metal organic frameworks 4. hydrogen production and CO2 conversion 	Yes	Yes	3

29	dr hab. inż.	Adam	Macierzanka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. colloid science 2. food science and technology 3. digestion and absorption 4. physical chemistry 	Yes	Yes	3
30	dr hab.	Sławomir	Makowiec	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. carbazole 2. synthesis 3. cancer 4. reaction mechanism 	Yes	No	3
31	dr hab. inż.	Edyta	Malinowska-Pańczyk	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry Technology and Biotechnology of Food	<ol style="list-style-type: none"> 1. human milk 2. food preservation 3. fortification of human milk 4. food safety 	Yes	No	3
32	dr hab. inż.	Mariusz	Marć	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. imprinted polymers 2. sorption materials 3. extraction tools 4. fibre MIPs 	Yes	No	3
33	dr hab. inż.	Dorota	Martysiak-Żurowska	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry Technology and Biotechnology of Food	<ol style="list-style-type: none"> 1. human milk 2. human milk fortifiers 3. bioactive components 4. antioxidant capacity 	Yes	No	3
34	prof. dr hab. inż.	Sławomir	Milewski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Pharmaceutical Technology and Biochemistry	<ol style="list-style-type: none"> 1. medicinal chemistry 2. antimicrobial agents 3. rational drug design 4. chemical modifications 	Yes	No	3

35	dr hab. inż.	Andrzej	Nowak	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Corrosion and Electrochemistry	<ol style="list-style-type: none"> 1. material synthesis 2. energy storage 3. lithium-ion battery 4. sodium-ion battery 	Yes	No	3
36	dr hab. inż.	Teresa	Olszewska	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. chiral metal complexes 2. metal organic framework 3. crystal engineering 4. Secondary bonding interactions 	Yes	Yes	2
37	prof. dr hab. inż.	Juliusz	Orlikowski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Corrosion and Electrochemistry	<ol style="list-style-type: none"> 1. Corrosion 2. Degradation 3. Electrochemistry 4. Risk Based Inspection (RBI) 	Yes	No	3
38	dr hab.	Aneta	Panuszko	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. osmolyte 2. protein 3. water 4. FTIR spectroscopy 	Yes	No	3
39	dr hab. inż.	Agnieszka	Pładzyk	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Inorganic Chemistry	<ol style="list-style-type: none"> 1. magnetic switching 2. heterometallic coordination compounds 3. design and synthesis 4. luminescence 	Yes	No	3
40	dr hab. inż.	Justyna	Płotka-Wasyłka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. Analytical separation 2. Chromatography 3. Extraction 4. Green Chemistry 	Yes	Yes	3

41	prof. dr hab. inż.	Żaneta	Polkowska	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. Environmental Chemistry 2. Emerging contaminants 3. Methodological challenges 4. Remote and protected regions 	Yes	No	3
42	dr hab. inż.	Łukasz	Ponikiewski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Inorganic Chemistry	<ol style="list-style-type: none"> 1. Organophosphorous chemistry 2. Organophosphorous polymers 3. Organophosphorous catalysts 4. Metal organic framework 	Yes	No	3
43	dr hab. inż.	Agnieszka	Potęga	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Pharmaceutical Technology and Biochemistry	<ol style="list-style-type: none"> 1. drug metabolism 2. activation/detoxification processes 3. reactive drug metabolites 4. chromatography/electrochemistry/mass spectrometry 	Yes	No	3
44	prof. dr hab. inż.	Jacek	Ryl	Faculties of Gdańsk University of Technology, Faculty of Applied Physics and Mathematics, Institute of Nanotechnology and Materials Engineering	<ol style="list-style-type: none"> 1. applied electrochemistry 2. surface engineering 3. advanced electrode materials 4. biosensing 	Yes	Yes	3
45	dr hab. inż.	Michał	Rymś	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Energy Conversion and Storage	<ol style="list-style-type: none"> 1. Sustainable Development 2. Convective Heat Transfer 3. Heat Losses 4. Thermal Imaging 	Yes	Yes	3
46	prof. dr hab. inż.	Paweł	Sachadyn	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. regenerative biotechnology 2. pharmacoregeneration 3. epigenetic drugs 4. molecular mechanisms of regeneration 	Yes	Yes	3

47	dr hab. inż.	Anna	Schmidt	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry and Technology of Functional Materials	<ol style="list-style-type: none"> 1. synthesis 2. molecular recognition 3. biodegradation 4. photodegradation 	Yes	Yes	3
48	dr hab. inż.	Anna	Stanisławska-Sachadyn	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. gene expression 2. epigenetics 3. genetic variants 4. biostatistics 	Yes	Yes	3
49	dr hab. inż.	Michał	Strankowski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Polymer Technology	<ol style="list-style-type: none"> 1. Polyurethane 2. Nanocomposite 3. Hybrid materials 4. DCPD resins 	Yes	Yes	3
50	dr hab. inż.	Mariusz	Szkoda	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry and Technology of Functional Materials	<ol style="list-style-type: none"> 1. Energy Storage Materials 2. Nanomaterials 3. Photoelectrochemistry 4. Electrochemistry 	Yes	No	3
51	dr hab. inż.	Michał	Szociński	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Corrosion and Electrochemistry	<ol style="list-style-type: none"> 1. organic protective coatings 2. cataphoretic coatings 3. electrochemical impedance spectroscopy 4. scanning probe microscopy 	Yes	No	3
52	dr hab. inż.	Patrycja	Szumata	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. microemulsions 2. colloids 3. cosmetic 4. delivery systems 	Yes	No	2

53	dr hab.	Magdalena	Śliwka-Kaszyńska	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. mass spectrometry 2. natural dyes 3. lake pigments 4. liquid chromatography 	Yes	No	3
54	dr hab. inż.	Marek	Tobiszewski	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. green analytical chemistry 2. microextraction 3. chemometrics 4. greenness assessment 	Yes	Yes	3
55	dr hab. inż.	Robert	Tylingo	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry Technology and Biotechnology of Food	<ol style="list-style-type: none"> 1. 3D bioprinting 2. hydrogel 3. peptide–chitosan 4. skin tissue engineering 	Yes	No	3
56	prof. dr hab. inż.	Ewa	Wagner-Wysiecka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry and Technology of Functional Materials	<ol style="list-style-type: none"> 1. organic synthesis 2. molecular spectroscopy 3. chemical sensors 4. natural materials/substances - fossil resins 	Yes	No	3
57	dr hab. inż.	Marta	Wanarska	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Biotechnology and Microbiology	<ol style="list-style-type: none"> 1. yeast 2. glycoside hydrolases 3. prebiotics 4. low-calorie sweeteners 	Yes	No	1
58	dr hab. inż.	Dorota	Warmińska	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. Azolide-based deep eutectic solvents 2. carbon dioxide separation 3. drug solubility enhancers 4. green solvents 	Yes	No	3

59	prof. dr hab. inż.	Andrzej	Wasik	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. liquid chromatography 2. gas chromatography 3. mass spectroscopy 4. sample preparation 	Yes	Yes	3
60	dr hab. inż.	Jarostaw	Wawer	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Physical Chemistry	<ol style="list-style-type: none"> 1. Bacterial hydration 2. Antimicrobial resistance 3. Nanomaterials 4. Amyloid fibrils 	Yes	No	3
61	dr hab. inż.	Monika	Wilamowska-Zawłocka	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Energy Conversion and Storage	<ol style="list-style-type: none"> 1. energy storage 2. batteries 3. synthesis of composite electrode materials 4. recycling of lithium-ion batteries 	Yes	Yes	3
62	prof. dr hab. inż.	Dariusz	Witt	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Organic Chemistry	<ol style="list-style-type: none"> 1. disulfides 2. alkenyl disulfides 3. S-tosylsulfenyl chloride 4. Diels Alder reactions 	Yes	Yes	2
63	prof. dr hab. inż.	Bożena	Zabiegała	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Analytical Chemistry	<ol style="list-style-type: none"> 1. SOA - secondary organic aerosols 2. Terpenes and their role in indoor air chemistry 3. Human exposure to organic pollutants 4. Environmental organic pollutants 	Yes	Yes	2
64	prof. dr hab. inż.	Anna	Zielińska-Jurek	Faculties of Gdańsk University of Technology, Faculty of Chemistry, Department of Process Engineering and Chemical Technology	<ol style="list-style-type: none"> 1. emerging contaminants 2. photocatalysis 3. advanced oxidation processes 4. environmental remediation 	Yes	Yes	3