

# Paweł Staroń

**Academic degrees : D.Sc. Eng.**

**Position : Associate professor**

**Engineering - technical field**

**Discipline Chemical engineering**

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## Academic qualifications:

Academic teacher, member of the Scientific Council of the Faculty of Chemical Engineering and Technology, member of the Doctoral Committee, member of the Habilitation Committee, member of the Committee assessing the presentations of Students of the Faculty Session of Student Science Clubs, supervisor of student internships for the Chemical Technology major, disciplinary spokesman for academic teachers.

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## Membership in professional and academic boards :

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### Academic merits :

48 publications from JCR (IF=114.557)  
5 chapters in monographs  
22 patents  
26 national patent applications  
2 international patent applications  
Participation in 12 scientific projects, including 3 as a manager  
Participation in two scientific internships abroad  
34 conference presentations (papers and posters)

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## Professional qualifications/language skills

English

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## Research field :

Research works focus on issues related to waste management, environmental protection and nanotechnology. Particular emphasis is placed on the use of natural materials and the development of biocomposites containing selected strains of microorganisms, which are used to remove various pollutants from water and sewage, including dyes, heavy metals and microplastics. Bioremediation, used to eliminate oil-based pollutants from soil, is also an important element of research. An important area of research activity is the management of by-products from technological processes, including their transformation into materials with increased utility value. The work carried out also includes the analysis of antimicrobial properties of newly produced materials, which can be used in health and environmental protection. As part of cooperation with industry, practical technological solutions are developed. Many of them are implemented as part of projects managed at the faculty level, which allows for the direct application of research results in industrial practice. These activities are in line with the current needs of the circular economy, emphasizing the importance of innovation in environmental protection and sustainable development.

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## Address

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## Useful links :

<https://chemia.pk.edu.pl/pracownik/pawel-staron/>

<https://cris.pk.edu.pl/info.seam?id=CUTd9130c8ff3414bc3bab5c39506bd03ff&afil=&lang=pl>