

### Data of Supervisors of the Doctoral School at WPUT

Supervisor: (academic titles and degrees, name and surname)	dr hab. inż. Małgorzata Gałczyńska, prof. ZUT
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Scientific Discipline(s):	Environmental Engineering, Mining and Energy, Agriculture and Horticulture
Research Areas (max. 2000 characters):	Monitoring and assessment of aquatic ecosystem pollution (the impact of fertilizers used in agriculture and unregulated water and sewage management on the eutrophication process of surface waters and the durability of plant protection products); transformation of vegetation in field ponds and their role in shaping the chemical composition of waters; use of aquatic plants to determine metal pollution of aquatic ecosystems; use of aquatic plants to purify municipal sewage and fish production sewage, phytoremediation capacity of aquatic plants, soil pollution (macro- and micronutrient content), atmospheric pollution (emission of nitrogen oxide (I) from post-bog soils, greenhouse gas emissions depending on soil reaction, humidity and nitrogen fertilization applied), metal pollution of food products.
Keywords (max. 10):	phytoremediation, aquatic ecosystems, aquatic plants in water monitoring, nutrients, metals, hydrophyte water purification systems, rain gardens, melliferous plants, food products