Name and surname:	Anna Karczewska
Academic Degree:	prof. dr hab. inż. (Prof.)
Institute/Department:	Institute of Soil Science, Plant Nutrition and Environmental Protection
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	https://bazawiedzy.upwr.edu.pl/info/author/UPWr78599776ae6844018c22307835928c76?r=author&tab=&titl
UPWr Base of Knowledge - link:	e=Profil%2Bosoby%2B%25E2%2580%2593%2BAnna%2BKarczewska%2B%25E2%2580%2593%2BUniw
Pesearchaate	ersytet%2BPrzyrodniczy%2Bwe%2Bwroc%25C5%258zawiu⟨=pi
Personal website / Working group website:	http://www.org.up.wroc.pl/igocr/english/index.en.html
	2015-2019: Project NCN 2014/13/B/ST10/02978 Antimony speciation in soils of selected areas in Lower
Destisionation in annio station la statione en del monte si a la situ	Silesia, as related to environmental risk – PI;
Participation in projects in last 5 years (chronological; with distinction into PI (kierownik) and PE (wykonawca));	2017-2020: Project NCN 2016/21/B/ST10/02221: Bioavailability and ecotoxicity of arsenic in heavily
	contaminated soils in the sites of historical ore mining and processing - as related to environmental risk
Do you plan to angage support of accord supervisor or	assessment - Pl
auxiliary supervisor?	YES
	Auxiliary supervisor
Name and surname:	Dorota Kawałko
Academic Degree:	dr inż. (Dr. Eng.)
Faculty, Institute/Department:	Institute of Soil Science, Plant Nutrition and Environmental Protection
e-mail address:	dorota.kawalko@upwr.edu.pl
	0000-0002-8339-648X
UPWr Base of Knowledge - link or most important	https://bazawiedzy.upwr.edu.pl/info/author/UPWre49a6b0e5b3b4e7693dd135b88d603ae?r=author&tab=&tit
vears (maximum 5).	93%2BUniwersvtet%2BPrzvrodniczv%2Bwe%2BWroc%25C5%2582awiu⟨=pl
Researchgate:	https://www.researchgate.net/profile/Dorota-Kawalko-2
Personal website / Working group website:	http://www.org.up.wroc.pl/igosr/english/index_en.html
Projects in last 5 years (chronological; with distinction into PI	Auxiliary supervisor in the PhD project "Selected aspects of the soil particle size analysis by measuring the
(kierownik) and RF (wykonawca)):	apparent weight of a float immersed in suspension"
PhD topic:	Organic matter balance and soil health indices in urban green areas under diverse ecological conditions and
Research discipline in Doctoral School:	Agriculture and Horticulture
	I he soils of urban green areas, such as parks, urban forests, lawns and other spaces covered by
	where most of the space is largely sealed. Urban soils are an important reservoir of organic matter thus
	participating in carbon sequestration and its withdrawal from biogeochemical cycling. High content of soil
	organic matter determines soil fertility, water retention capacity, soil biodiversity and biological and chemical
	indicators of soil health. Planned research will be aimed at determining the impact of various factors on the
Short description of the research problem to be solved in the	processes of organic matter transformation and the ability to sequester carbon, in the conditions of a large
PhD (minimum 1000 characters):	the type of parent rocks that often contain construction waste with admixtures of rubble sediments from
	dredging water reservoirs, ashes, etc., 2) and the type of materials used for soil fertilization, e.g. composts
	produced from urban waste, often highly enriched in heavy metals and other contaminants, 3) land
	management, including, among others: irrigation, fertilization, mowing lawns, and the way of managing leaf
	biomass. The research will be conducted in variously polluted urban green areas in several large cities. As a
	result of these studies, optimal conditions for accumulation of soil humus and ensuring the best possible soil health parameters in various urban settings will be determined
	Graduation in chemical, biological, agricultural or environmental sciences. Good command of English
	language in reading, writing and talking. Basic knowledge in the field of soil science (in particular soil
Professional skills for PhD candidate (e.g. master program,	chemistry), botany, environmental microbiology and ecotoxicology. Experience in work in a chemical
minimum 500 characters).	transformation of organic matter will be an additional advantage. The ability to use MS Office package and
	basic statistical tests. The knowledge of Statistica software, as well as graphical software ( eg. Corel,
	Photoshop) will be welcome. Inquisitiveness and analytical mind will be necessary.
a) Project title:	none
b) Agreement number:	none
c) Number of months in the project to support PhD student	0
(in months; starting from 1st of October 2024):	* 
Project website:	