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Academic Degree:	dr hab. inż. (DSc.)
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UPWr Base of Knowledge - link:	<a href="https://bazawiedzy.upwr.edu.pl/info.seam?id=UPWr954b7079c8f1407baf99aea34595e8c9">https://bazawiedzy.upwr.edu.pl/info.seam?id=UPWr954b7079c8f1407baf99aea34595e8c9</a>
Researchgate:	<a href="https://www.researchgate.net/profile/Jan-Kazak">https://www.researchgate.net/profile/Jan-Kazak</a>
Personal website / Working group website:	<a href="https://upwr.edu.pl/en/research/leading-research-group/sustainable-cities-and-regions-scr">https://upwr.edu.pl/en/research/leading-research-group/sustainable-cities-and-regions-scr</a>
Participation in projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):	- 2022-2025: ERA-NET: City&Co: Older Adults Co-Creating a Sustainable Age-friendly City – PI - 2021-2022: NCN: Social housing for seniors - research on the satisfaction of residents in the context of sustainable development – PI
Do you plan to engage support of second supervisor or auxiliary supervisor?	YES
	Auxiliary supervisor
<b>Name and surname:</b>	<b>Grzegorz Chrobak</b>
Academic Degree:	dr inż. (Dr. Eng.)
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UPWr Base of Knowledge - link or most important publications from last 3 year (JCR) / patents from last 3 years (maximum 5):	1) Szkopiecka, A.; Wyrwa, J.P.; Chrobak, G.; Kołodyńska, I.; Szewrański, S. Perceived Restorative Potential of Urban Parks by Citizens—A Case Study from Wrocław, Poland. Sustainability 2023, 15, 7912. <a href="https://doi.org/10.3390/su15107912">https://doi.org/10.3390/su15107912</a> 2) Kazak J., Świąder M., Arciniegas G., Aslanoğlu R., Wascher D., Chrobak G. The application of geoplanner in the management of local development. Acta Scientiarum Polonorum, Administratio Locorum, 2023, vol. 22, nr 4, s.525-535. DOI:10.31648/aspal.9012 3) Chrobak Grzegorz, Kowalczyk Tomasz, Fischer Thomas B. [i in.] First, do no harm - Missing data treatment to support lake ecological condition assessment. Environmental Modelling & Software, 2022, vol. 158, s.1-15, Numer artykułu:105558. DOI:10.1016/j.envsoft.2022.105558 4) Chrobak Grzegorz, Kowalczyk Tomasz, Fischer Thomas B. [i in.] Combining indicators for better decisions – Algorithms vs experts on lakes ecological status assessment. Ecological Indicators, 2021, vol. 132, s.1-11, Numer artykułu:108318. DOI:10.1016/j.ecolind.2021.108318 5) Chrobak Grzegorz, Kowalczyk Tomasz, Fischer Thomas B. [i in.] Ecological state evaluation of lake ecosystems revisited: Latent variables with kSVM algorithm approach for assessment automatization and data comprehension. Ecological Indicators, 2021, vol. 125, s.1-15, Numer artykułu:107567. DOI:10.1016/j.ecolind.2021.107567
Researchgate:	
Personal website / Working group website:	

<p>Projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):</p>	<p>1) WRO4digITal European Digital Innovation Hub Wroclaw (WRO4digITal), Beginning date: 01-04-2023, End date: 31-03-2026 [RF]  2) City&amp;Co: Older Adults Co-Creating a Sustainable Age-friendly City 2022-2025 [RF]  3) Sense of place and mobility in cross-border contexts – essentialist and progressive perspectives (Move'n'Sense), Beginning date: 21-12-2021, End date: 21-12-2024 [RF]  4) City soundscape and sense of place in the planning context, Beginning date: 24-06-2022, End date: 23-06-2025 [RF]  5) Food System Hubs Innovating towards Fast Transition by 2030 (FoodSHIFT2030), Beginning date: 01-01-2020, End date: 31-12-2023 [RF]</p>
<p>PhD topic:</p>	<p>Perception of complex urban systems by older people</p>
<p>Research discipline in Doctoral School:</p>	<p>Social and Economic Geography and Spatial Management</p>
<p>Short description of the research problem to be solved in the PhD (minimum 1000 characters):</p>	<p>The currently observed process of ageing society poses a challenge in the process of managing complex urban systems, bearing in mind that most of urban spaces were designed and developed at a time when life expectancy was considerably shorter than today. A new group of users of urban space, who perceive the space around them differently, must therefore be taken into account at the design stage. The purpose of this study will be to examine how older people perceive the complex urban space of the city and to identify key elements of urban systems in terms of design guidelines. The sensory perception of space by older people will concern auditory and visual impressions. The study area will be a selected urban park. Within the acoustic part, the research will include: (1) identification of the soundscape based on sound measurements using a series of soundwalks for the range of auditory ability of the average user of public space (20Hz to 20,000Hz frequency), and (2) calibration of the audible range adapted to the range of older people. The visual perception part will use a mobile eye-tracker to identify elements in the space that are observed by older people. The binding stage of the results of the above studies will be the juxtaposition of visual and acoustic perception, according to the "soundscape vs. landscape" approach. The final result of the work will be the identification of design guidelines that should be taken into account to adapt the urban environment to the needs of ageing society.</p>
<p>Professional skills for PhD candidate (e.g. master program, specializations, softwares, language, analytical techniques, minimum 500 characters):</p>	<p>Completed master's degree in Spatial Management, Social Science, Geography or other related fields.  Scientific experience (publication or conference presentation) in soundscape research. Preferably international experience.  Experience in scientific writing – at least one publication with the role of the first or corresponding author.  Fluency in English.  Willingness to participate in an external research internship.  Proactive attitude in scientific work. Timeliness and conscientiousness in completing tasks. Openness to popularize the results of ongoing research.</p>

a) Project title:	0
b) Agreement number:	0
c) Number of months in the project to support PhD student (in months; starting from 1st of October 2024):	0
Project website:	