

Name and surname:	Jan Kazak
Academic Degree:	dr hab. inż. (DSc.)
Institute/Department:	Institute of Spatial Management
e-mail address:	jan.kazak@upwr.edu.pl
ORCID:	https://orcid.org/0000-0002-1864-9954
UPWr Base of Knowledge - link:	https://bazawiedzy.upwr.edu.pl/info.seam?id=UPWr954b7079c8f1407baf99aea34595e8c9
Researchgate:	https://www.researchgate.net/profile/Jan-Kazak
Personal website / Working group website:	https://upwr.edu.pl/en/research/leading-research-group/sustainable-cities-and-regions-scr
Participation in projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):	<ul style="list-style-type: none"> - 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 - 2020-2023: HORIZON+: FoodSHIFT2030: Food System Hubs Innovating towards Fast Transition by 2030 – RF - 2021-2022: PROW: IQSell: Organizational innovation for the development of short food supply chains - RF
Do you plan to engage support of second supervisor or auxiliary supervisor?	YES
	Auxiliary supervisor
Name and surname:	Małgorzata Świader
Academic Degree:	dr inż. (Dr. Eng.)
Faculty, Institute/Department:	Faculty of Spatial Management and Landscape Architecture, Institute of Spatial Management
e-mail address:	malgorzata.swiader@upwr.edu.pl
ORCID:	https://orcid.org/0000-0003-3398-4985

<p>UPWr Base of Knowledge - link or most important publications from last 3 year (JCR) / patents from last 3 years (maximum 5):</p>	<p>1) Sylla Marta, Świąder Małgorzata, Vicente-Vicente José Luis, Arciniegas Gustavo, Wascher Dirk, Assessing food self-sufficiency of selected European Functional Urban Areas vs metropolitan areas. <i>Landscape and Urban Planning</i>, 2022, vol. 228, s.1-11, Numer artykułu:104584. DOI:10.1016/j.landurbplan.2022.104584 2) Arciniegas Gustavo, Wascher Dirk, Eyre Poppy, Sylla Marta, Vicente-Vicente José Luis, Świąder Małgorzata, [i in.], A participatory tool for assessing land footprint in city-region food systems—A case study from Metropolitan Copenhagen. <i>Frontiers in Sustainable Food Systems</i>, 2022, vol. 6, s.1-24, Numer artykułu:846869. DOI:10.3389/fsufs.2022.846869 3) Świąder Małgorzata, Lin David, Szewrański Szymon, Jan K. Kazak, Katsunori Iha, Joost van Hoof, Ingrid Belčáková, Selen Altiok, The application of ecological footprint and biocapacity for environmental carrying capacity assessment: A new approach for European cities. <i>Environmental Science & Policy</i>, 2020, vol. 105, s.56-74. DOI:10.1016/j.envsci.2019.12.010 4) Świąder Małgorzata, Szewrański Szymon, Kazak Jan, Environmental Carrying Capacity Assessment - the Policy Instrument and Tool for Sustainable Spatial Management. <i>Frontiers in Environmental Science</i>, 2020, vol. 8, s.1-20, Numer artykułu:579838. DOI:10.3389/fenvs.2020.579838 5) Kazak Jan, Świąder Małgorzata, Arciniegas Gustavo, Rengin Aslanoğlu, Dirk Wascher, Grzegorz Chrobak, The application of geoplanner in the management of local development. <i>Acta Scientiarum Polonorum, Administratio Locorum</i>, 2023, vol. 22, nr 4, s.525-535. DOI:10.31648/aspal.9012</p>
<p>Researchgate:</p>	
<p>Personal website / Working group website:</p>	
<p>Projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):</p>	<ul style="list-style-type: none"> - 2022-2025: ERA-NET: City&Co: Older Adults Co-Creating a Sustainable Age-friendly City – RF - 2021-2025: HORIZON+: Economy by space: Impact of Covid-19 outbreak on European economies - RF - 2020-2024: NCN: The use of carbon footprint as a part of environmental carrying capacity assessment for more sustainable spatial management - PI - 2020-2023: HORIZON+: FoodSHIFT2030: Food System Hubs Innovating towards Fast Transition by 2030 – PI - 2021-2022: PROW: IQSell: Organizational innovation for the development of short food supply chains - RF
<p>PhD topic:</p>	<p>Bridging Food Systems and Socio-Economic Activity in BRICS Countries</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 way in which food systems are organised is noticeably linked to number of variables characterising socio-economic human activity. These include the use of renewable energy, carbon emissions, foreign direct investment and financial integration, among others. There are studies analysing the relationship between these variables and agricultural productivity, taking into account each variable separately. What is lacking, however, is a holistic systems approach assessing the cross-system evaluation of all these variables together to see their impact on agricultural productivity. These relationships are particularly important in the case of the largest countries, which are at the development stage of their economies due to the effect of scale. The BRICS countries, which include Brazil, Russia, India, China and South Africa, are a good example. The aim of the study is to understand the impact of renewable energy consumption, carbon emissions, foreign direct investment and financial integration on agricultural productivity in the period of 2000-2023 in the BRICS countries. The study will use the following methods: cross-sectional dependency test, stationarity test, cointegration test, panel ARDL estimation and robustness tests, and finally causality test. The research will use data from the World Bank and International Monetary Fund.</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, Geography, Economics, Finance or other related fields. Competence in using software to conduct econometric analyses. Experience in scientific writing – preferably 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>
<p>a) Project title:</p>	<p>0</p>
<p>b) Agreement number:</p>	<p>0</p>
<p>c) Number of months in the project to support PhD student (in months; starting from 1st of October 2024):</p>	<p>0</p>
<p>Project website:</p>	<p></p>