

Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

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| Name and surname, degree, title: Leszek Hejduk dr hab.eng. | |
| Discipline/ disciplines of science | environmental engineering, mining and energy |
| Professional development (degrees and titles) in chronological order | 1996 – M. Sc. eng. - Master's degree in environmental engineering with a specialization in Water Management and Hydrology (Warsaw University of Technology); 2000 - M.Sc. - Master's degree in management and marketing (Warsaw School of Economics); 2001 - PhD degree in agricultural sciences in the field of environmental management (SGGW); 2018 - PhD hab. - habilitation in agricultural sciences, protection and development of the environment (WULS-SGGW) |
| Most important publications/ patents in the last 3 years (maximum 10) | <p>Krajewski A, Hejduk L, Sikorska-Senoner AE. Estimating sediment yield from a small urban catchment of a heterogeneous structure. <i>Land Degradation & Development</i>. 2024;35:496–507. doi:10.1002/ldr.4932</p> <p>Krajewski A, Hejduk A, Hejduk L. First Evidence of Microplastic Presence in Bed Load Sediments of a Small Urban Stream in Warsaw. <i>Sustainability</i>. 2022;14:1–13. doi:10.3390/su142316017</p> <p>Hejduk L., Kaznowska E., Wasilewicz M., i Hejduk A., Dynamics of the Natural Afforestation Process of a Small Lowland Catchment and Its Possible Impact on Runoff Changes, „Sustainability”, 2021, t.13, nr 18, Sustainability, s. 1–15.</p> <p>Hejduk L., Kaznowska E., Wasilewicz M., i Hejduk A., Hydrological Droughts in the Białowieża Primeval Forest, Poland, in the Years 1951–2020, „Forests”, 2021, t.12, nr 12, Forests, s. 1744.</p> <p>Banasik K., Hejduk L., Krajewski A., i Wasilewicz M., The intensity of siltation of a small reservoir in Poland and its relationship to environmental changes, „Catena”, 2021, t.204, Catena, s. 1–12.</p> <p>Krajewski A., Sikorska-Senoner A.E., Hejduk L., Banasik K. An Attempt to Decompose the Impact of Land Use and Climate Change on Annual Runoff in a Small Agricultural Catchment, <i>Water Resources Management</i> (2021) 35:881–896</p> |
| Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral programmes/procedures) in chronological order | auxiliary supervisor in 1 completed doctoral process (2017) and auxiliary supervisor in 1 incomplete doctoral process. |

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| <p>Project/grants achievements (from the last 10 years)</p> | <p>Selected</p> <p>2019-2023 Head of the project: "Integrated development program of the Warsaw University of Life Sciences for Regional Development, POWR.03.05.00-00-ZR14 / 18"</p> <p>2017-2018 Team member (Head of the Warsaw University of Life Sciences team) in the project "Implementation of the method of estimating environmental flows in Poland" under the Project: POIS.02.01.00-00-0016 / 16.</p> <p>2016-2017 Member of the team "Determination of the concentration and particle size distribution of the suspended sediment flowing by the Mleczna River to the Borki reservoir and collmatization reservoirs" under the LIFERADOMKLIMA-PL LIFE14 CCA / PL / 000101 project.</p> <p>2014-2015 "Co-hosting consultation meetings on the flood risk management plan for the Middle Vistula water region". The work commissioned by ARCADIS Sp. Zoo.</p> <p>2012-2014 Member of the team in the project "Assessment of uncertainty in rainfall-runoff modeling; Korea, Poland and Slovakia "under the ERA-NET KORANET Joint Call on Green Technologies program. Financed by NCBIR under Era-Net contracts</p> <p>2011-2013 Member of the team in the project "Transport and characteristics of suspended sediment during winter half-year floods" financed by the National Science Center (NN 305 144540)</p> <p>2010-2013 Member of the team in the project "Adaptation of the CN-NRCS method for floods modelling in small catchments",no. N N305 396238. Financed by the National Science Center</p> <p>2008-2011 Head of 4 WP in the project: "Prediction and the reduction of diffuse pollution solid emission and extreme flows from rural areas PL0274" financed by within the Norwegian Financial Mechanism and the Financial Mechanism of the European Economic Area</p> |
| <p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p> | <p>1. Modelling of pollutant transport from catchments to water courses</p> <p>2. Impact of climate change on extreme phenomena: droughts and floods in agricultural / urbanized catchments</p> |
| <p><u>Contact details:</u> Faulty/Institute E-mail address Tel.</p> | <p>Faculty of Civil and Environmental Engineering / Institute of Environmental Engineering/ Department of Water Engineering and Applied Geology</p> <p>leszek_hejduk@sggw.edu.pl</p> <p>22 59 352 87</p> |