

Candidate supervisor's information summary form

Name and surname, degree, title: Ryszard Oleszczuk, dr hab. inż., prof. SGGW	
Discipline/ disciplines of science	Environmental engineering, mining, power engineering
Professional development (degrees and titles) in chronological order	M.Sc. 25.06.1994 Dr 14.10.1998 Dr hab. 14.12.2011
Most important publications/patens over the last 3 years (maximum 10)	<p>Brandyk, A.; Kaca, E.; Oleszczuk, R.; Urbański, J.; Jadczyzyn, J. Conceptual Model of Drainage-Sub Irrigation System Functioning-First Results from a Case Study of a Lowland Valley Area in Central Poland. <i>Sustainability</i> 2021, 13, 107. https://doi.org/10.3390/su13010107</p> <p>Verification of empirical equations describing subsidence rate of peatland in Central Poland <i>Wetlands Ecology and Management</i> volume 28, pages495–507(2020)</p> <p>Brandyk A., Oleszczuk R., Urbański J. 2020. <i>Estimation of Organic Soils Subsidence in the Vicinity of Hydraulic Structures – Case Study of a Subirrigation System in Central Poland</i>. <i>Journal of Ecological Engineering</i>. J. Ecol. Eng. 2020; 21(8):64–74</p> <p>Oleszczuk R., Zając E., Urbański J., Jadczyzyn J. 2021. <i>Rate of Fen-Peat Soil Subsidence Near Drainage Ditches (Central Poland)</i>. <i>Land</i> 2021, 10(12), 1287; https://doi.org/10.3390/land10121287</p> <p>Bajkowski S., Urbański J., Oleszczuk R., Siwicki P., Brandyk A., Popek Z. 2022. Modular Regulators of Water Level in Ditches of Subirrigation Systems. <i>Sustainability</i> 2022, 14, 4103. https://doi.org/10.3390/su14074103</p> <p>Urbański J., Bajkowski S., Siwicki P., Oleszczuk R., Brandyk A., Popek Z. 2022 Laboratory Tests of Water Level Regulators in Ditches of Irrigation Systems. <i>Water</i> 2022, 14, 1259. https://doi.org/10.3390/w14081259</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Defended doctoral dissertation 14.07.2018
Project/grants achievements (from the last 10 years)	Project Biostrateg3 "INOMEL": Technical innovations and system of monitoring, forecasting and planning of irrigation and drainage for precise water management on the scale of drainage/irrigation system

	2018-2020
Topic – research problem – for which the candidate supervisor seeks a doctoral student	Subsidence, disappearance of drained organic soils, the rate of subsidence, the calculation of soil subsidence during the I and II phases of this process, verification of empirical equations describing the above process, determination of the percentage share of individual components of the surface subsidence of drained organic soils
<u>Contact details:</u> Faculty/Institute E-mail address Tel.	Faculty of Civil and Environmental Engineering/Institute of Environmental Engineering e-mail: ryszard_oleszczuk@sggw.edu.pl +48 22 59 353 64