

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

Name and surname, degree, title:	
Academic discipline/disciplines	Civil Engineering, Geodesy and Transportation
Professional development (degrees and titles) in chronological order	<p>Doctoral degree – awarded on 12th December, 2001, granted with the resolution by the Council of the Faculty of Engineering and Environment Management at Warsaw University of Life Sciences (WULS) – SGGW, agricultural sciences in the field of Environment Management.</p> <p>Post doctoral degree – awarded on 30th November, 2018, granted with the resolution by the Council of the Faculty of Civil and Environmental Engineering at Warsaw University of Life Sciences (WULS) – SGGW, technical sciences in the field of Civil Engineering.</p>
Most important publications/ patents in the last 3 years (maximum 10)	<p>Dzięcioł Justyna, Sas Wojciech: Perspective on the Application of Machine Learning Algorithms for Flow Parameter Estimation in Recycled Concrete Aggregate, Materials, 2023, vol. 16, nr 4, s.1-16, DOI:10.3390/ma16041500</p> <p>Miturski M., Głuchowski A., Sas W. 2021. Influence of dispersed reinforcement on mechanical properties of stabilized soil. Materials 2021, 14, 5982; doi:10.3390/ma14205982.</p> <p>Sas W., Dzięcioł J., Radzevičius A., Radziemska M., Dapkienė M., Šadzevičius R., Skominas R., Głuchowski A. Geotechnical and Environmental Assessment of the Blast Furnace Slags for an Engineering Applications. Materials, 2021,14, 6029; doi: 10.3390/ma14206029.</p> <p>Głuchowski A., Gabrys K., Soból E., Sadzewicius R., Sas W. 2020. Geotechnical Properties of Anthropogenic Soils in Road Engineering. Sustainability 2020, 12, 4843; doi:10.3390/su12124843.</p> <p>Głuchowski A., Skutnik Z., Biliniak M., Sas W., LO Presti D. 2020. Laboratory Characterization of a Compacted – Unsaturated Silty Sand with Special Attention to Dynamic Behavior. Appl. Sci. 2020, 10, 2559; doi:10.3390/app10072559.</p> <p>Głuchowski A., Sas W., Dzięcioł J., Soból E., Szymański A. 2019. Permeability and leaching properties of recycled concrete aggregate as an engineering material in civil engineering. Appl. Sci. 2019, 9, 81; doi:10.3390/app9010081.</p> <p>Sas W., Dzięcioł J., Głuchowski A. 2019. Estimation of recycled concrete aggregate as water permeability coefficient as earth construction material with the application of an analytical method. Materials 2019, 12, 2920; doi:10.3390/ma12182920.</p>

	<p>Głuchowski A., Soból E., Szymański A., Sas W. 2019. Undrained Pore Pressure Development on Cohesive Soil in Triaxial Cyclic Loading. Appl. Sci. 2019, 9, 3821. doi:10.3390/app9183821.</p>
<p>Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order</p>	<p>Supervisor of MSc. eng. Justyna Dzięcioł. Finalized 2023. Supervisor of MSc. eng. Maciej Miturski. Planned finalized may 2025. Co-supervisor of MSc. eng. Andrzej Głuchowski. PhD. Finalized 2018. Co-supervisor of MSc. eng. Emil Soból. PhD. Finalized 2018. Supervisor of MSc. Eng. Kamil Zając and MSc. Eng. Luiza Rzepczyńska from School of Doctors WULS.</p>
<p>Achievements in the area of projects/grants (in the last 5 years)</p>	<p>COST ACTION TU1404 (MC Substitute TU1404 PL), 2015. The COST Association, Avenue Louise 149, 1050 Brussels, Belgium. Main Coordinator of Action Prof. Miguel Azenha, Portugal. WULS– SGGW Coordinator – dr inż. Wojciech Sas. Modelling the course of organic soil deformation. 2012 – 2016. Agreement No 3 P06S 002 23 with KBN Nr 0494/P06/2002/23.</p>
<p>Subject area of the research project for which the candidate student is being recruited</p>	<p>Recognition of physical, mechanical and filtration properties of natural, compacted, stabilized and anthropogenic soils. Determination of stress-strain characteristics and strength and deformation parameters of soil substrates in the range of small and medium deformation using static, cyclic and dynamic loads. Solving special geotechnical problems such as: swelling soils, unsaturated soils, weak-bearing soils for the foundation of linear and cubic objects. Problems of construction of earth structures (embankments) and construction of structural layers of roads, car parks and airports using natural and anthropogenic materials.</p>
<p><u>Contact details:</u> Institute E-mail address Telephone number</p>	<p>Institute of Civil Engineering wojciech_sas@sggw.edu.pl, + 48 697901759, + 48 22 5935400.</p>