

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

Name and surname, degree, title: Aleksander Lisowski, PhD, DSc, Prof.	
Academic discipline/disciplines	1989 – PhD, Faculty of Agricultural and Forestry Engineering, WULS.
Professional development (degrees and titles) in chronological order	2000 – DSc, Institute for Building, Mechanization and Electrification in Agriculture, Warsaw.
Most important publications/patents in the last 3 years (maximum 10)	<p>Lisowski A., Świętochowski A., Dąbrowska M., Klonowski J., Nowakowski T., Chlebowski J., Tryskuć P., Parys T., Ferre S., Roberge M. Effect of Stone Impacts on Various Ground Engaging Tools (Flexible/Stiff Tines and Coulter): Part. Materials. 2022, 15, 1568: 1-23; 140p, IF=3,623.</p> <p>Lisowski A., Świętochowski A., Dąbrowska M., Klonowski J., Nowakowski T., Chlebowski J., Tryskuć P., Parys T., Ferre S., Roberge M. Kinetics and dynamics of the stiff and flexible tines with the duckfoot and the coulter after impact with stones embedded in compacted soil: Part II. Materials. 2022, 15, 1351: 1-27; 140p, IF=3,623</p> <p>Tryjarski P., Gawron J., Andres B., Obiedzińska A., Lisowski A. FTIR Analysis of Changes in Chipboard Properties after Pretreatment with <i>Pleurotus ostreatus</i> (Jacq.) P. Kumm. Energies 2022, 15, 23, 9101, 1-18; 100p, IF=3,2</p> <p>Tryjarski P., Lisowski A., Gawron J. Obstawski P. Physicomechanical properties of raw and comminuted pine and poplar shavings: energy consumption, particle size distribution and flow properties. <i>Wood Sci Technol</i> 2023, 57, 2, 625-649; 200p., IF=3,4.</p> <p>Tryjarski P., Lisowski A., Gawron J. 2024. Pressure agglomeration of raw, milled and cut-milled pine and poplar shavings: assessment of the compaction process and agglomerate strength. <i>European Journal of Wood and Wood Products</i> 82(3): 885–903; 140p., IF=2,4 z 2023.</p> <p>Kęska P., Mieszkalski L., Lisowski A., Tucki K. Patent B1 240036 received 07.02.2022: Pumpkin fruit slicing machine.</p> <p>Mieszkalski L., Lisowski A., Tucki K. Patent B1 243283 received 12.05.2023: Columnar bioreactor with aerating mechanical-jet mixer with complex motion.</p> <p>Nowakowski T., Lisowski A., Świętochowski A., Gach S., Rusek G. Patent B1 244896 received 01.12.2023: Orchard sprayer with directed air flow.</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>Niewęglowski Krzysztof, defense 27.06.2006</p> <p>Wardecki Piotr, defense 21.11.2006</p> <p>Motyl Krzysztof, defense 18.11.2008</p> <p>Świątek Krzysztof, defense 23.11.2010</p> <p>Świętochowski Adam, defense 01.04.2014</p>

	Dąbrowska Magdalena, defense 03.11.2015 Stasiak Patryk, defense 03.11.2015 Piątek Michał, defense 29.06.2021 Matkowski Patryk, defense 29.09.2021 Tryjarski Paweł, supervisor 17.12.2019
Achievements in the area of projects/grants (in the last 5 years)	-
Subject area of the research project for which the candidate student is being recruited	Conversion of biomass into biogas or solid fuels. Physical relations of the working element-soil. Modeling of physical processes of separation and densification of biological materials.
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