

Candidate supervisor's information summary form

maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: Zdzisław Gajewski, dr hab., professor	
Discipline/ disciplines of science	Discipline: Agricultural science Discipline of sciences: Veterinary medicine
Professional development (degrees and titles) in chronological order	DVM 1980 PhD 1988 Dr. Sc. 2007 Professor 2012
Most important publications/patens over the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Małgorzata Domino, Tomasz Jasinski, Ewa Kautz, Edyta Juszczuk-Kubiak, Graça Ferreira-Dias, Romuald Zabielski, Maria Sady, Zdzislaw Gajewski. Expression of genes involved in the NF-κB-dependent pathway of the fibrosis in the mare endometrium. <i>Theriogenology</i> 2020 43e48 IF 2,299, pkt. 140. 2. Katarzyna A. Roszkowska, Slawomir Gizinski, Maria Sady, Zdzislaw Gajewski, Maciej B. Olszewski Gain-of-function mutations in p53 in cancer invasiveness and metastasis. <i>MDPI, Int. J. Mol. Sci.</i>, Volume 21, Issue 2 (2020) IF 4,183, pkt. 140. 3. Maśko, Małgorzata; Domino, Małgorzata; Jasiński, Tomasz; Zdrojkowski, Łukasz; Gajewski, Zdzislaw. The effect of lunging with commonly used aids on the thermographically determined temperatures of the distal portion of horse limbs" <i>Equine Veterinary Journal</i>. 10.1016/j.jevs.2020.103316 IF 2,15, pkt. 200. 4. Karolina Ferenc, Tomaš Pilžys, Damian Garbicz, Michał, Marcinkowski, Oleksandr Skorobogatov, Małgorzata Dylewska, Zdzisław Gajewski, Elżbieta Grzesiuk, Romuald Zabielski. Intracellular and tissue specific expression of FTO protein in pig - changes with age, energy intake and metabolic status. <i>Scientific Reports</i> (2020) 10:13029 doi.org/10.1038/s41598-020-69856-5 IF 3,998, pkt. 140. 5. Adam Ziecik, Klaudia Drzewiecka, Katarzyna Gromadzka-Hliwa, Jan Klos, Patrycja Witek, Katarzyna Knapczyk-Stwora, Zdzislaw Gajewski, Monika Marzena Kaczmarek. Altrenogest affects the development and endocrine milieu of ovarian follicles in prepubertal and mature gilts <i>Biology of Reproduction</i>, ioaa136, https://doi.org/10.1093/biolre/ioaa136 IF 3,322, pkt 200. 6. Malgorzata Habich, Bartosz Pawlinski, Maria Sady, Katarzyna Siewruk, Piotr Zielenkiewicz, Zdzislaw Gajewski, Pawel Szczesny. Stress-induced phosphaturia in weaned piglets. <i>Animals</i> 2020 IF 1,832, pkt. 100. 7. Viktoriya A. Levytska; Andriy B. Mushinsky; Dana Zubrikova; Lucia Blanarova; Ewa Długosz; Bronislava Vichova; Kateryna A. Slivinska; Zdzislaw Gajewski; Slawomir Gizinski; Shuling Liu; Lan Zhou; Artem S. Rogovskyy. Detection of pathogens in ixodid ticks collected from animals and vegetation in five regions of Ukraine. <i>Ticks and Tick - Borne Diseases</i> DOI: 10.1016/j.ttbdis.2020.101586 IF 2.749

	<p>8. Piotr Matyba, Tomasz Florowski, Krzysztof Dasiewicz, Karolina Ferenc, Jarosław Olszewski, Michał Trela, Gilbert Galemba, Mirosław Słowiński, Maria Sady, Dominika Domańska, Zdzisław Gajewski, Romuald Zabielski Performance and meat quality of intrauterine growth restricted pigs. <i>Animals</i> 2021 IF 1,832, pkt. 100.</p> <p>9. Maciej Maciak, Edward Iller, Marcin Konior, Tomasz Dziel, Piotr Piasecki, Jerzy Narloch, Danuta Wawszczak, Maria Sady, Jarosław Olszewski, and Zdzisław Gajewski Analytical and histopathological examination of 90Y microspheres prepared by sol-gel method for Selective Internal Radiation Therapy. <i>Medical Physics</i> IF 3,177, pkt. 100.</p> <p>10. Jarosław Olszewski; Romuald Zabielski; Piotr Matyba; Małgorzata Wielgosz; Antoni Adamski; Zdzisław Gajewski; Karolina Ferenc Differences in intestinal barrier development in intrauterine growth restricted and normal birth-weight piglets. <i>Animals</i> 2021 IF 1,832, pkt. 100.</p>
<p>Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order</p>	<p>Doctoral theses PhD Dr Bartosz Pawlinski Dr Piotr Matyba Dr Monika Petrajtis-Gołobow Dr Małgorzata Domino Dr Dominika Domanska Dr Michał Trela</p> <p>Open doctoral theses: Lek. wet. Maria Sady Lek. wet. Konrad Zalewski</p>
<p>Project/grants achievements (from the last 10 years)</p>	<p>Grants/projects</p> <p>1. ABM The use of platelet-rich leukocyte fibrin as a stimulator of the angiogenesis process in patients undergoing revascularization due to critical ischemia of the lower limbs 2020 / ABM / 01/00078 / P / 01</p> <p>2. NCN. Research with the use of telemetry techniques on the place of generation of the contractile wave in the uterus and fallopian tube, and the determination of the direction and speed of its propagation in the oestrus cycle in pigs (N308 077439) - manager</p> <p>3. KNOW. Optimization of alternative contrast agents based on gadolinium-free biocompatible nanoparticles to be introduced as an innovative method of detecting neoplastic changes in the imaging diagnostics. KNOW UMO-KNOW 2017 / SGGW / Lab2 / 02/4 – manager</p> <p>Projects financed from EU funds:</p> <p>1. Red Blood Cell Substitute Project: RPMA.01.02.00-14-5721 / 16 - manager of a separate project task</p> <p>EU RPO EFRR</p> <p>2. Project MJWPU.420-112/12 RPMA.01.01.00-14-002/11 WCB</p> <p>3. Project MJWPU.420-112/15 RPMA.01.01.00-14-007/15 CBB</p> <p>4. Project MJWPU.420-112/18 RPMA.01.01.00-14-007/18 CMR</p>

<p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p>	<p>Physiology and pathology of reproduction, electrophysiology of the reproductive system. Imaging diagnostics and therapy (MRI, FUS MRI, PET MR) Neuroprotective effects of glycolic acid in a pig model of stroke The use of platelet-rich leukocyte fibrin as a stimulator of the angiogenesis process in patients undergoing revascularization due to critical ischemia of the lower limbs</p>
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