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Academic Degree	dr hab. inż. (DSc.)
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UPWr Base of Knowledge - link	https://bazawiedzy.upwr.edu.pl/info/seam?id=UPWr042d8442ed8e494f97809881607fa68f
Researchgate:	https://www.researchgate.net/profile/Sebastian-Opalinski
Personal website / Working group website:	https://upwr.edu.pl/en/research/leading-research-group/animal-science-for-future-asc4future
Projects in last 5 years (chronological; with distinction into PI (kierownik) and RF (wykonawca)):	<p>The project concerning the evaluation of odour reducing microbial-mineral additive for poultry manure, financially supported by The National Centre for Research and Development grant no. PBS2/B8/14/2014 "Innovative biopreparation for poultry production premises", RF</p> <p>ERA-NET CO-FUND ICT-AGRI-FOOD, LivestockSense, "Enhancing environmental sustainability of livestock farms by removing barriers for adoption of ICT technologies", PI;</p>
Research topic and funding	
1) PhD topic:	Hemp oil with cannabidiol - a feed additive that improves birds' welfare and the efficiency of poultry
2) Research discipline in Doctoral School	Animal Science and Fisheries
3) Short description of the research problem to be solved in the PhD:	<p>Recently, it has been shown that cannabinoids have several properties supporting humans and animals' health (alleviating the symptoms of digestive disorders or reducing inflammation) and controlling pain and stress. Currently, preparations for dogs and cats are available on the Polish market. The use of this type of supplement in intensive poultry production, where birds are particularly exposed to stressful situations and maintaining proper welfare is complicated, could positively affect the productivity of animals, alleviate the effects of stress and improve meat quality or laying rate. The available literature lacks reports on the use of hemp oil with the addition of cannabidiol in chickens' nutrition for fattening or laying hens. Therefore the proposed research is innovative. Besides, the investigated additives will be supplied by a large domestic producer. In the case of positive preliminary results, the producer is interested in conducting further research and joining in obtaining funds, e.g. from the National Center for Research and Development.</p>
4) Professional skills for PhD candidate (e.g. master program, specializations, softwares, language, analytical techniques):	<p>Higher education in animal science. Interest in scientific work, the ability to work both independently and in a group, communication skills. Necessary skills in planning experiments, data analysis and writing scientific publications. Computer skills in the MS Office environment and the statistical package. Participation in conferences and scientific publications on the issues of livestock farming and breeding. Knowledge of English at the C1 level. The candidate should be ready to complete the min. 4-month internship at a foreign research centre dealing with poultry production.</p>
5) Details of the project to support PhD research	
a) Project title:	none
b) Agreement number:	none
c) Number of months in the project to support PhD (in months; starting from 1st of October 2021):	0
6) Project website:	