

LIST OF PHD RESEARCH TOPICS AND SUPERVISORS FOR THE FIELD OF **VETERINARY** IN THE
AREA OF AGRICULTURAL SCIENCES FOR 2026

No.	Department	Research topic	Supervisor	Consultant
1	Faculty of Veterinary Medicine Department of Anatomy and Physiology	Zoonotic potential and prevalence of Rocahepevirus ratti (rat hepatitis E virus) in Lithuania and transcriptome changes in infected epithelial cells	Assoc. Prof. Dr. J. Grigas	Dr. M. Simanavičius (VU)
2	Faculty of Veterinary Medicine Dr. L.Kriaučeliūnas Small Animal Clinic	Associations Between Oxidative Stress and Gut Microbiota in Canine Neuroinflammatory Diseases	Assoc. Prof. Dr. D. Juodžentė	
3	Faculty of Veterinary Medicine Dr. L.Kriaučeliūnas Small Animal Clinic	Comparative analysis and risk factor analysis of cardiovascular damage and oxidative stress associated with <i>Toxoplasma gondii</i> infection in dogs and wolves	Assoc. Prof. Dr. B. Karvelienė	Prof. Dr. A. Tvarijonavičiūtė
4	Faculty of Veterinary Medicine Dr. L.Kriaučeliūnas Small Animal Clinic	Application of innovative methods in the development and evaluation of diagnostic and therapeutic strategies for bone non-union in animal models	Assoc. Prof. Dr. D. Juodžentė	
5	Faculty of Veterinary Medicine Dr. L.Kriaučeliūnas Small Animal Clinic	Changes in the brain caused by <i>Toxoplasma gondii</i> in wild and domestic animal models	Assoc. Prof. Dr. B. Karvelienė	
6	Faculty of Veterinary Medicine Department of Food Safety and Quality	Analysis of associations between bioaerosol composition and factors affecting the health, productivity, and welfare of dairy cows	Prof. Dr. V. Baliukonienė	
7	Faculty of Veterinary Medicine Department of Food Safety and Quality	Application of <i>Tenebrio molitor</i> larvae to improve the functionality, quality, and digestibility of meat products in the development of sustainable food technologies	Assoc. Prof. Dr. A. Kabašinskienė	Assoc. Prof. Dr. A. Žvirblienė
8	Faculty of Veterinary Medicine Institute of Microbiology and Virology	Determinants encoding antimicrobial resistance of <i>Enterobacterales</i> and <i>Enterococcus spp.</i> in poultry and wild birds	Prof. Dr. M. Ružauskas	
9	Faculty of Veterinary Medicine Large Animal Clinic	Integration of an AI model based on biochemical and innovative monitoring technology-derived biomarkers for the assessment of endurance horses' fitness and physiological response to exercise	Prof. Dr. A. Rutkauskas	Prof. Dr. J. Keen
10	Faculty of Veterinary Medicine Large Animal Clinic	Prognostic significance of blood biomarker dynamics for injury risk assessment in show jumping horses through the application of artificial intelligence models	Prof. Dr. A. Rutkauskas	Dr. O. Witkowska-Pilaszewicz
11	Faculty of Veterinary Medicine Large Animal Clinic	Machine learning-based multimodal treatment monitoring system of Equine Gastric Ulcer Syndrome using sensor-recorded sleep data and biomarkers	Dr. D. Malašauskienė	Assoc. Prof. Dr. B. Sykes
12	Faculty of Veterinary Medicine Large Animal Clinic	Assessment of Effects of Platelet-Rich Plasma on Endometrial Regeneration, Endothelin System Expression, and Estrous Cycle	Dr. A. Rekešiūtė	

		Synchronization Success in Cows after Uterine Inflammation		
13	Faculty of Veterinary Medicine Department of Veterinary Pathobiology	Sustainable Control of Gastrointestinal Nematodes in Sheep: Integration of Targeted Selective Treatment and Non-Invasive Indicators	doc. dr. T. Kupčinskas	