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Department: Animal Biochemistry and Physiology named by Academician M.F. Guloy.
Specialty: Veterinary Medicine (211)
Topic of dissertation research: vegetative regulation of resistance and stress tolerance of sows using magnesium nanocompounds.

Scientific supervisor: Karpovsky Valentyn Ivanovych, Doctor of Veterinary Sciences, Professor, Academician of the National Academy of Sciences of Higher Education of Ukraine, laureate of the S. Z. Gzhytskyi Prize, Honored Scientific and Pedagogical Worker of the NUBiP of Ukraine.

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Publications and abstracts:

Articles in professional publications

1. 1. Kovalchuk, O. O., Tomchuk, V. A., Danchuk, V. O., Khymynets, P. S., Gutyj, B. V., Kryvoruchko, D. I., & Karpovsky, V. V. (2023). The influence of iron and germanium nanocompounds on the content of ceruloplasmin in the blood of sows and piglets obtained from them. Scientific Messenger of Lviv National University of Veterinary Medicine and Biotechnologies. Series: Veterinary sciences, 25(112), 201–205. doi: 10.32718/nvlvet11231.

2. Kovalchuk, O. O., Tomchuk, V. A. Danchuk, V. O., Khymynets, P. S., Gutyj, B. V., Kravchuk, S. V., Zhurenko, O. V., Kryvoruchko, D. I., Karpovskyi, V. V., Karpovskyi, P. V., Todoriuk, V. B., Hrelia, R. V., & Zhurenko, V. V. (2024). The intensity of carbohydrate metabolism in the body of sows under the action of ferrum and germanium nanocompounds. Scientific Messenger of Lviv National University of Veterinary Medicine and Biotechnologies. Series: Veterinary sciences, 26(113), 179–183. doi: 10.32718/nvlvet11327.

3. Kovalchuk O. O., Tomchuk V. A., Danchuk V. O., Kravchuk S. V., Karpovsky V. V. (2024). Lipid metabolism indices in the blood of sows under the influence of nanocompounds of ferrum and germanium. Scientific reports of the National University of Biology and Chemistry of Ukraine, No. 2/108. https://doi.org/10.31548/dopovidi.2(108).2024.018

4. V.O. Danchuk, V.I. Karpovsky, P.V. Karpovsky, V.S. Chukhno, O.V. Danchuk. The content of total protein and its fractions in sows with different tones of the autonomic nervous system. (submitted for publication in the journal Theoretical and Applied Veterinary Medicine).

Abstracts

1. Danchuk V. O., Karpovsky V. I. PROSPECTS OF RESEARCH ON THE REACTIVITY OF THE BODY OF PIGS WITH VARIOUS PARAMETERS OF CORTICO-VEGETATIVE REGULATION IN THE CONTEXT OF PROGRESSIVE CLIMATE CHANGE. Current aspects of the development of veterinary medicine in the context of European integration: materials of the international scientific-practical conference, Odessa, September 14–15, 2023 Odesa, 2023. P. 84.

2. Danchuk V. O., Karpovsky V. I. USE OF MAGNESIUM NANOCOMPOSITIONS IN ANIMAL PRODUCTIONCurrent aspects of animal biology, veterinary medicine and

veterinary and sanitary examination: materials of the IX International Scientific and Practical Conference of Teachers and Higher Education Students (Dnipro, May 28-29, 2024) / Dnipro State Agricultural University. – Dnipro, 2024. – P. 39 – Access mode: https://dspace.dsau.dp.ua/handle/123456789/9787.

3. V.O. Danchuk, V.I. Karpovsky. The influence of magnesium nanocompounds on protein metabolism in sows. International Scientific and Practical Conference “Current Issues in the Physiology of Agricultural Animal Productivity” dedicated to the 125th anniversary of the birth of Academician Oleksiy Volodymyrovych Kvasnytsky. February 24-25, 2025, Poltava.

Monograph section

1. Danchuk V.V., Antonik I.I., Danchuk V.O. HEAT STRESS OF BEEF CATTLE. Riga, Latvia : Baltija Publishing, 2023. P. 84-108. DOI https://doi.org/10.30525/978-9934-26-389-7-6