***Tokayeva Mereke***
Head of the Department of Veterinary Sanitation,
candidate of Veterinary Sciences, Associate Professor
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**Field of scientific interests**

Veterinary hygiene and sanitation, microbiology, veterinary and sanitary examination. Conducting modern veterinary and sanitary research in the field of safe milk and dairy products production.

**Subjects to be read**

Veterinary hygiene, technology, hygiene, sanitation and veterinary and sanitary examination of meat and dairy products.

**The main directions of research**

His main research interests are in the development and implementation of effective preventive sanitary and hygienic measures in the production of livestock products, as well as the training of scientific and pedagogical personnel for the veterinary industry of the republic.

**Research projects**

1. Transfer and adaptation of technologies for automatization of technological processes of milk production on the basis of model farms containing 100 or more dairy cows" for 2018-2020 under the budget program 267 "Increasing the availability of 2018-2020 knowledge and scientific research. According to subprogram 101 "Program-targeted financing of scientific research" - The main performer.

2. Transfer and adaptation of technologies for automatization of technological processes of milk production on the basis of model farms containing 1000 or more dairy cows" for 2018-2020 under the budget program 267 "Increasing the availability of knowledge and scientific research! According to subprogram 101 "Program-targeted financing of scientific research" - The main performer.

**Undergraduates working under the guidance of**

Under the guidance of Tokaeva M.O., 9 master's theses were defended.

**Education**

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| 1990-1995 | Almaty Zootechnical and Veterinary Institute. Speciality: «Veterinarian». |
| 2007 | Candidate of Veterinary Sciences, Associate Professor<br>Specialty Code: 16.00.06 – Veterinary Sanitation, Ecology, Zoo Hygiene, Veterinary and Sanitary Examination |
| 2010 | Associate professor |

**Work Experience**

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| 1990-1995 | Student at the Almaty Zoological and Veterinary Institute |
| 1995-2002 | JuniorResearcher, VeterinaryandSanitaryExpertiseDepartment, Kazakh National Agrarian University (KazNAU) |

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| 2002-2007 | AssistantTeacher, VeterinaryandSanitaryExpertiseDepartment, KazNAU |
| 2007-2010 | SeniorLecturer, VeterinaryandSanitaryExpertiseDepartment, KazNAU |
| 2010 -2014 | Associate Professor, VeterinaryandSanitaryExpertise Department, KazNAU |
| 2014-2016 | Professor, VeterinaryandSanitaryExpertise Department, KazNAU |
| 2016-2017 | Scientific Secretary of the Research Institute of Animalogy Problems, KazNAU |
| 2017-2021 | Professor, VeterinaryandSanitaryExpertise Department, KazNAU |
| 2021-2022 | AssociateProfessoroftheClinicalVeterinaryMedicineDepartment, , S.Seifullin Kazakh Agrotechnical University |
| 2022-2024 | AssociateProfessoroftheVeterinary Sanitary Department, S.Seifullin Kazakh Agrotechnical University |
| From –2024 the present time | Head of the Department of Veterinary Sanitation of the Kazakh National Agrarian Research University |

**Training**

Took advanced training and scientific internships at universities, research centers, advanced experimental farms.

Certificates of internships and advanced training in universities, research centers, advanced experimental farms.

- 30.01.2020. Education quality assurance system. Independent agency for accreditation and rating
- 9- 20.12 2022, 72 hrs In formal recognition of the completion of the international online-internship «Inclusive vocational education: modern approaches» - 20.02.2022. Digital technologies in education. Turan University
- 9– 20 .12. 2022, 72 hrs . In formal recognition of the completion of the international online-internship "Inclusive vocational education: modern approaches"
- 17-31.10.2022 Modern methods of teaching veterinary hygiene and sanitation. KazNAIU

**Publications**

Author of 7 patents and research articles:

1. The device and the principle of operation of a self-propelled fan generator of aerosols for disinfection. Mat. Intern. Scientific and practical conference "Poultry farming of Kazakhstan: problems and prospects of development", Almaty 2013.
2. Therapeutic efficacy of the drug "Mastifur" in various conditions of the udder of cows. Collection of international practical conferences, Barnaul, 2013
3. Hematological blood parameters of cows with mastitis. Collection of international practical conferences, Barnaul, 2012.
4. The System of Preventipn and Treatment of mastitis in dry-1. Science Integrating Theory and Practice. Icet, 2014
5. «The influence of mastitis on the quality of milk produced", "Science and Knowledge" West Kazakhstan Agrotechnical University named afterZhangirkhana, 2019
6. Indicators of ungulate diseases registered in Kakpatas-Kordai LLP and IP Karimov by seasons of the year. Izdenis. Search. No.3 (1) 2019. Pp.301-305.
7. "Monitoring for the prevention of obstetric and gynecological diseases of Kakpatas-Kordai LLP and IP Karimov. Izdenis. Search. №3 (1) 2019.
8. An innovative patent . Method of pre-milking treatment of cow udders. Committee on Intellectual Property Rights of the Ministry of Justice of the Republic of Kazakhstan No. 23357 14.06.2010
9. Innovative patent Antimicrobial drug for the treatment and prevention of mastitis of animals "Mastifur". Committee on Intellectual Property Rights of the Ministry of Justice of the Republic of Kazakhstan No. 2010/1000, 2010

10. Innovative patent Therapeutic drug "Lanomast". Committee on Intellectual Property Rights of the Ministry of Justice of the Republic of Kazakhstan No. 25228. 10.08.2010.
11. Innovative patent Indicator for the diagnosis of mastitis
12. NEW APPROACHES TO THE DIAGNOSIS OF SUBCLINICAL FORMS OF MASTITIS IN COWS. National Association of Scientists (NAU) # IV (9), 2015 / VETERINARY SCIENCES
13. "The influence of mastitis on the quality of milk produced.", "Science and knowledge" West Kazakhstan Agrotechnical University named afterZhangirkhana, 2019
14. FEATURES OF THE TREATMENT OF MASTITIS IN COWS DURING the DRY PERIOD Mat. II All-Russian (national) Scientific and practical Conference of students, postgraduates and young scientists, YOUTH SCIENCE – DEVELOPMENT OF the AGRO-INDUSTRIAL COMPLEX Kursk, December 21, 2021, part 2
15. Study of the extent of mastitis spread in farms. Mat. II All-Russian (national) scientific and practical Conference of students, postgraduates and young scientists, YOUTH SCIENCE – DEVELOPMENT of the agro-industrial complex, Kursk, December 21, 2021, part 2
16. STUDY OF THE INFLUENCE OF SEASONS ON THE PREVALENCE OF COW MASTITIS.. Mat. VII All-Russian scientific and practical conference "Young researchers of agro–industrial and forestry complexes - regions". Vologda-Dairy 2022
17. STUDY OF THE EFFECT OF MASTITIS ON THE COMPOSITION AND PROPERTIES OF MILK. Mat. VII All-Russian scientific and practical conference "Young researchers of agro–industrial and forestry complexes - regions". Vologda-Dairy 2022.
18. Knowledge, attitude and practice (CAP) of small farmers regarding foot-and-mouth disease of cattle in Western Kazakhstan". журнал Veterinary Medicine and Science. 2023
21. Efficiency of probiotic culture consortium application for disinfection of dairy farm premises and prevention of mastitis in cows (2023). Journal of Advanced Veterinary and Animal Research, 10 (2), pp. 185-195. 1) https://www.scopus.com/inward/record.uri?eid=2-s2.0- «Veterinary Medicine and Science.
Zhumakayeva, A., Zhubatkanova, A., Asauova, Z., Tokayeva, M., Kemeshov, Z.
22. Prevalence of Endo and Ectoparasitism of Sheep in Northern Kazakhstan. American Journal of Animal and Veterinary Sciences 2023, 18 (3): 223.228. D. Seitkamzina, B. Akmambaeva, G. Abulgazimova, B.Yelemessova, A. Ussenbayev, K.Omarov. M.Tokaeva.
23. Сравнительное изучение показателей микроклимата в животноводческих помещениях Алматинской области. Прикаспийский вестник ветеринарии №1(2). 2023. Токаева М. О., Бисенгалиев Р. М.
24. Microbial composition of livestock buildings is the basis for the creation of a biological preparation to stabilize the microbial background. Aikumys, Z, Rakhimtay, T, Zhanar, B, Mereke, T, Sairan, D, Indira, A 2024, Microbial composition of livestock buildings is the basis for the creation of a biological preparation to stabilize the microbial background. Caspian Journal of Environmental Sciences, 22: 381-393.