

## PROFILE OF THE Head of the Department «CLINICAL SUBJECTS»

| Personal data of the teacher                                                                                                               |                                                                                       |                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|                                                           | Surname, Name, Patronymic (by ID)                                                     | Makhmutov Abzal Kasenovich                                               |
|                                                                                                                                            | date of birth                                                                         | 31.05.1983 <sub>2</sub>                                                  |
|                                                                                                                                            | Sex (men / women)                                                                     | men                                                                      |
|                                                                                                                                            | Nationality                                                                           | Kazakh                                                                   |
|                                                                                                                                            | Citizenship                                                                           | The Republic of Kazakhstan                                               |
|                                                                                                                                            | Mobile phone, e-mail                                                                  | 8707 824 26 97<br>Abazik-83@mail.ru                                      |
| Education                                                                                                                                  |                                                                                       |                                                                          |
| Higher educational institution                                                                                                             |                                                                                       |                                                                          |
| a) name                                                                                                                                    | Kazakh National Agrarian University                                                   |                                                                          |
| b) country, city                                                                                                                           | Kazakhstan, Almaty                                                                    |                                                                          |
| c) year of admission and graduation                                                                                                        | 2000-2005 yy                                                                          |                                                                          |
| d) qualifications obtained at the end of the educational institution                                                                       | Veterinarian                                                                          |                                                                          |
| Academic degree and title (to date)                                                                                                        |                                                                                       |                                                                          |
| Degree                                                                                                                                     | Candidate of Veterinary Science                                                       |                                                                          |
| Dissertation topic                                                                                                                         | The effect of ointment "Procan" on the healing process of wounds in animals           |                                                                          |
| Branch of science                                                                                                                          | Veterinary medicine                                                                   |                                                                          |
| Code and name of specialty                                                                                                                 | 16.00.02 – Animal pathology, oncology and morphology<br>16.00.05 – Veterinary surgery |                                                                          |
| Year of protection                                                                                                                         | 2010                                                                                  |                                                                          |
| Language of the thesis                                                                                                                     | russian                                                                               |                                                                          |
| Academic title                                                                                                                             | -                                                                                     |                                                                          |
| Place of work (as of today)                                                                                                                |                                                                                       |                                                                          |
| Full name of the organization                                                                                                              | Non-commercial joint-stock company "Kazakh National Agrarian Research University"     |                                                                          |
| Position held                                                                                                                              | Head of the Department «Clinical subjects»                                            |                                                                          |
| Scientific activity                                                                                                                        |                                                                                       |                                                                          |
| Contractor of R & d in RK (within the last 3 years)                                                                                        |                                                                                       |                                                                          |
| Name of research work                                                                                                                      | Years of implementation                                                               | Executive Organization                                                   |
| AP09057988 "Inventing methods for detecting hidden genetic mutations in cattle and managing the process of eliminating hereditary defects» | 2021-2023                                                                             | Non-commercial joint-stock company "Kazakh National Agrarian University" |
| AP 14869181 "Study of ecogenomics of Kazakh horse microbiome by NGS                                                                        | 2022-2024                                                                             | Non-commercial joint-stock company "Kazakh National                      |

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| sequencing method”                                                                                                                                                                   |           | Agrarian Research University”                                                     |
| AP19674808 “Creation of genetic passports and study of genetics of local Kazakhstan breeds of cattle using full genome sequencing”                                                   | 2023-2025 | Non-commercial joint-stock company "Kazakh National Agrarian Research University" |
| “Artificial insemination of cows” 019 Program                                                                                                                                        | 2023      | Non-commercial joint-stock company "Kazakh National Agrarian Research University" |
| AP23484301 “Investigating the expression profile of genes associated with pregnancy maintenance and examining the efficacy of using OIF for ovulation induction in Dromedary camels” | 2024-2026 | Non-commercial joint-stock company "Kazakh National Agrarian Research University" |

### Scientific and pedagogical activity

### Training of highly qualified personnel

| Degree | Number | Year of protection                                            | Specialty                                                                                                                                                          |
|--------|--------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Master | 5      | 2016-2018<br>2018-2020<br>2020-2022<br>2022-2024<br>2024-2026 | 6M120100 - Veterinary medicine<br>7M09101 - Veterinary medicine<br>7M09101 - Veterinary medicine<br>7M09101 - Veterinary medicine<br>7M09101 - Veterinary medicine |

### Information on the number of publications for the last 3 years

| Type of publication                                                                       | Quantity |
|-------------------------------------------------------------------------------------------|----------|
| Publications in journals recommended KKSON MES                                            | 8        |
| Publications in journals                                                                  | 5        |
| Teaching AIDS                                                                             | 7        |
| Electronic teaching AIDS                                                                  | 1        |
| Monographs                                                                                | -        |
| Abstracts and presentations at conferences, symposia, workshops (international, national) | 58       |

### Main scientific publications (last 3 years)

| Publication title                                                                                                       | Author (s)                                                                                       | Year of publication | Name of publication, volume, number, page                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| The prevalence of Brachispina syndrome in Holstein cows and optimization of its detection methods                       | Muslimova Z.,<br>Bagdat A.,<br>Bimenova Z.,<br>Omarbekova G.,<br>Alimbekova M.,<br>Ussenbekov Y. | 2022                | Reproduction in Domestic Animals<br>Vol. 57 Supplement 4 September<br>2022 Page 76                                                                   |
| Оптимизация tetra-primer arms-pcr способа диагностики синдрома субфертильности у быков-производителей                   | Шорманова М.М.,<br>Нурпеисова Р.К.,<br>Усенбеков Е.С.                                            | 2023                | Ахмет байтұрсынов атындағы Қостанай өңірлік университеті.<br>«Зі интелект, идея, инновация»<br>№1, 2023ж                                             |
| Уровень встречаемости носителей гаплотипов фертильности HH4, HH5, HCD у быков производителей и коров голштинской породы | Шорманова М.М.,<br>Нурпеисова Р.К.,<br>Сиябеков С.Т.,<br>Усенбеков Е.С.                          | 2023.               | «Ғылым және білім» №1-1 (70),<br>2023ж. Жәңгір хан атындағы<br>Батыс Қазақстан аграрлық-<br>техникалық университетінің<br>ғылыми-практикалық журналы |

|                                                                                                                                                               |                                                                                                          |      |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable development and conservation of ecosystems: Epizootic situation of contagious ecthyma of sheep and goats in Kazakhstan and neighbouring countries | Umitzhanov Mynbay, Sansyzbai Abylai, Makhmutov Abzal, Turebekov Orinbasar, Bakirov Nurbol Zhumagadirovsh | 2024 | <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85183598345&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85183598345&amp;origin=resultslist</a><br>DOI 10.1063/5.0188877<br>AIP Conference Proceedings<br>Том 3033, Выпуск 112 January 2024 International Interdisciplinary Scientific Conference on Digitalization and Sustainability for Development Management: Aspects London |
| Development of alternative diagnosis of HH1, HH3, HH5 and HCD fertility haplotypes and subfertility syndrome in cattle                                        | Shormanova M; Makhmutov A, Shormanova A, Muslimova Zh; Ussenbekov Y,                                     | 2024 | <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001145543200001">https://www.webofscience.com/wos/woscc/full-record/WOS:001145543200001</a><br>REPRODUCTION IN DOMESTIC ANIMALS. Volume 59, Issue 1<br>DOI 10.1111/rda.14533<br>2024-01-25, ISSN 0936-6768, eISSN 1439-0531                                                                                                                                     |

#### Patent / Innovation patent:

| Assigned number                 | Name                                                                                                                                 | Author / Patentee                                                                                           | date       |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------|
| Patent for invention RK № 32830 | The method of detection of point mutations in the coding part of the UMP gene in cattle based on real-time polymerase chain reaction | Usenbekov E., Yakovlev A., Solomadin M., Beyshova I., Bemenova J., Turebekov O., Makhmutov A., Khusainov D. | 23.11.2016 |
| PATENT for utility model № 8685 | Method of diagnostics of infectious epididymitis of rams                                                                             | Khusainov D.M., Akhmetsadykov N.N., Ibragimov P.Sh, Sansyzbay A.R. Makhmutov A.K. et al.                    | 08.12.2023 |
| PATENT for utility model № 8693 | Method of diagnostics of sheep brucellosis                                                                                           | Khusainov D.M., Akhmetsadykov N.N., Ibragimov P.Sh, Sansyzbay A.R. Makhmutov A.K. et al.                    | 08.12.2023 |
| PATENT for utility model № 8761 | Method of determining the activity of antirabic serum obtained from a horse                                                          | Khusainov D.M., Akhmetsadykov N.N., Ibragimov P.Sh, Sansyzbay A.R. Makhmutov A.K. et al.                    | 05.01.2024 |

#### Foreign language proficiency

| Language | Level of ownership (low, medium, high) |
|----------|----------------------------------------|
| Kazakh   | high                                   |
| Russian  | high                                   |
| English  | medium                                 |