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Candidate of biological sciences,
Department
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Professional experience:

2002-2007. Institute of oil and gas (senior lecturer, docent of department);
2008-2014. Kazakh research Institute of processing industry (researcher, senior researcher, leading researcher);
2014-2015. S. Seifullin Kazakh agro technical university (senior teacher, a.a. of docent);
from 2016. L.N. Gumilyov Eurasian national university (senior teacher, a.a. of docent).

Awards:

1. Certificate of honor from the Kazakhstan Industry Trade Union of Education and Science Workers “For Contribution to the Development of Higher Education...” October, 2017;
2. Certificate of honor from the Republican Scientific and Practical Center for Expertise of the Content of Education of the Ministry of Education and Science of the Republic of Kazakhstan “For development in the field of education and high competence in the examination of textbooks and educational and methodological complexes”, 2021.

Scientific degree, title, scientific school:

candidate of biological sciences, corresponding member of the AAS of the RK.

- Kazakh National University named after Al-Farabi, biological faculty, specialty: biology, 1997;
- Kazakh National University named after Al-Farabi Kazakh National University (MA), biological faculty, specialty: biology, 2002;
- Institute of Microbiology and Virology, specialty: microbiology (post-graduate), 2005.

Scientific interests: General and applied microbiology. Technology for the preparation of biologically active additives and dry biologically active additives based on probiotic microorganisms. Food biotechnology. Agricultural biotechnology.

Research Grants:

Participation in research works (projects):

1. Technology for obtaining a dry biologically active additive based on the composition of lactic acid and bifidobacteria from camel milk (2010-2012);
2. Technology for the preparation of starter for ensiling succulent feed (2012-2014);
3. Isolation and study of strains of starter cultures for new fermented milk drinks from camel milk (2014-2015);
4. Reducing the anthropogenic impact on water resources when using water recycling technology (2018);
5. Studies of the protective antiviral mechanisms of plants under the influence of salt stress in *N. benthamiana* and barley (2019).

Delivered courses: General microbiology. Industrial microbiotechnology. Microorganisms for the processing and food industries.

Publications (selected):

1. Utemurat Sagyndykov, Zubaira Kozhakhmetova, Gulmira Kasanova. Storage features of *Lactobacillus brevis* strain №9. – Technology Transfer and Innovation International Conference, 5-6 November, 2012. – Prague, Czech Republic. – Volume 1. – Issue 1. – December 2012. – pp.129-130.
2. Sagyndykova S.Z., Dyusekenova A.B., Sagyndykov U.Z., Kuangaliev M. The filet microflora from the sturgeon and ordinary fishes. – International journal of experimental education (английская версия журнала «Международный журнал экспериментального образования»).- РФ. - №2. – 2013. - pp. 72-73
3. Ramza Berzhanova, Akmaral Sartaeva, Utemurat Sagyndykov, Togzhan Mukasheva, Maya Shigaeva. The studying of diversity of lactic microorganisms isolated from shubat of various areas of Kazakhstan. - Journal of Biotechnology. - Volume 185. - Supplement. - September 2014. - Page S82
4. S.Z. Sagyndykova, U.Z. Sagyndykov, A.B. Dyusekenova, K.K. Kuspangaliev, A.K. Tokabasova, G.B. Atalykova and A.K. Nurgaliyeva. Use of lactic acid bacteria with antagonistic properties in preparation of a new drink from camel milk. - International Journal of Probiotics & Prebiotics

. 2017, Vol. 12 Issue 3, p143-152. - 10p.

5. Sagyndykov U.Z., Aubakirova K.M., Orazaly D. Organoleptic characteristics and water-holding capacity of fermented milk drink clots. – Proceedings of the Kyrgyz State University. I. Razzakova. - No. 3 (55) - Bishkek, 2020. - P. 350-353

Monographs and study guides:

1. Sagyndykov U.Z., Sagyndykova S.Z. Microbiology of forage ensiling. - (monograph) - Publisher: Medet Group LLP - Karaganda, 2021. - 96 p.

2. Sagyndykov U.Z. etc. Sanitary microbiology. (textbook) - Publisher: AtGU. - Atyrau, 2012. -183p.

3. Sagyndykov U.Z. Practical training in biotechnology (educational manual). - Publisher: ENU named after L.N. Gumilyov. - Nur-Sultan, 2019. - 135p.

Protective documents:

1. Innovative patent of the Republic of Kazakhstan №24982. «A method of preparing a dry dietary supplement». - 17.11.2011

2. Innovative patent of the Republic of Kazakhstan №25088. «Consortium of lactic acid bacteria *Lactobacillus acidophilus* KM-2, *Lactobacillus acidophilus* KH-1, *Bifidobacterium bifidum*-1, used for the preparation of biologically active additives and starter cultures for the production of fermented milk products». - 15.12.2011

3. Innovative patent of the Republic of Kazakhstan №28658. «Feed additive for lambs». - 15.07.2014

4. Innovative patent of the Republic of Kazakhstan №29355. «Method for preparing fermented milk drink from camel milk». - 25.12.2014

5. Patent of the Republic of Kazakhstan for utility model №102809. «Method for determining the index of structure formation». - 08.11.2017

6. Patent of the Republic of Kazakhstan for utility model №6752. «Method for producing fermented milk drink from camel milk». - 15.12.2021