



Roza Yermukhambetova

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Department of Biotechnology
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Scientific degree, scientific school:

Master of Science in Molecular Medicine, University of Sheffield, UK.

Undergraduate degree in Biotechnology, L.N.Gumilyov Eurasian National University

Scientific interests:

Molecular biology, biochemistry, bioinformatics, genomics, molecular and genetic bases of human diseases

Grants (participation):

2015: «Studying arteriogenesis using the zebrafish»

2018-2020: «Study of the effect of temperature stress on the level of oxidative stress in barley under drought conditions»

Professional experience:

2016 – till present: senior teacher at the Department of Biotechnology and Microbiology

Delivered courses:

Bioinformatics and biomodelling, stem cells biology, biochemistry

Publications (selected):

1. *R.Yermukhambetova*. “Genetics of Huntington disease”. Materials of the international forum «Biology and Biotechnology of the 21st century» - 2017. pp.108-110.

2. *R.Yermukhambetova*, *S.Zhamalyieva*, *A.Smakova*, *T.Yechshzhanov*, *R.Uskenov*. “Genetic diseases in the beef cattle population of Kazakhstan”. Herald of S.Seifullin KazATU. – Astana -2016 - №3 (90). Pp.112-116.

3. *Yermukhambetova R.Zh.*, *Dogabayev A.Zh.*, *Bari A.A.*, *Masalimov Zh.K.* Oxidative stress response in plants to combined abiotic and biotic stress factors. Bulletin of L.N.Gumilyov Eurasian National University, Astana – 1 (122). – 2018. – pp.48-53

4. *Akbassova A.Zh.*, *Yermukhambetova R.Zh.*, *Mukiyanova G.S.*, *Tleukulova Zh.B.*, *Kassenova S.M.*, *Dildabek A.B.*, *Ilyasova B.B.*, *Stamgalieva Z.B.*, *Omarov R.T.* TBSVP19 protein as a trigger of salicylic acid-induced resistance of *Solanum lycopersicum* //Herald Scientific Journal, L.N. Gumilyov Eurasian National University, Astana - 2018. -№3. – C.8-19.

5. *Kurmanbayeva A.B.*, *Yermukhambetova R.Zh.*, *Bekturova A.Zh.*, *Amanbayeva U.I.*, *Gadilgerreyeva B.Zh.*, *Omarov R.T.*, *Masalimov Zh.K.* Effect of combined temperature-drought stresses on antioxidant activity of plants // Plant Genetics, Genomics, Bioinformatics, and Biotechnology (PlantGen2019): The Fifth International Scientific Conference, Novosibirsk, Russia // - 2019. P.115

Awards: