

Publication list

1. **Yergaliyev T***, Künzel S*, Hanauska A, Rees A, Wild KJ, Pétursdóttir ÁH, et al. The effect of *Asparagopsis taxiformis*, *Ascophyllum nodosum*, and *Fucus vesiculosus* on ruminal methanogenesis and metagenomic functional profiles in vitro. *Microbiol Spectr*. 2024.
2. Guilherme-Fernandes J, Aires T, Fonseca AJM, **Yergaliyev T**, Camarinha-Silva A, Lima SAC, et al. Squid meal and shrimp hydrolysate as novel protein sources for dog food. *Front Vet Sci*. 2024;11.
3. Jaeger JW, Brandt A, Gui W, **Yergaliyev T**, Hernández-Arriaga A, Muthu MM, et al. Microbiota modulation by dietary oat beta-glucan prevents steatotic liver disease progression. *JHEP Rep*. 2024;6:100987.
4. Rios-Galicia B, Sáenz JS, **Yergaliyev T**, Roth C, Camarinha-Silva A, Seifert J. Novel taxonomic and functional diversity of eight bacteria from the upper digestive tract of chicken. *Int J Syst Evol Microbiol*. 2024;74.
5. Brandt A, Hernández-Arriaga A, **Yergaliyev T**, Nier A, Halilbasic E, Trauner M, et al. Short-term intake of fiber-rich oat bran but not spelt bran flake mix lowers bacterial endotoxin levels and improves health parameters in healthy, normal weight, young to middle-aged women. *J Funct Foods*. 2024;112:105929.
6. Cabrita ARJ, Guilherme-Fernandes J, Spínola M, Maia MRG, **Yergaliyev T**, Camarinha-Silva A, et al. Effects of microalgae as dietary supplement on palatability, digestibility, fecal metabolites, and microbiota in healthy dogs. *Frontiers in Veterinary Science*. 2023.
7. Rios Galicia B, Sáenz JS, **Yergaliyev T**, Camarinha-Silva A, Seifert J. Host specific adaptations of *Ligilactobacillus aviarius* to poultry. *Current Research in Microbial Sciences*. 2023;5:100199.
8. Wang M, **Yergaliyev T**, Sun C, Martinez JG, Wang B. Environmental DNA metabarcoding of intertidal meiofauna sheds light on its potential for habitat discovery. *Ecological Indicators*. 2023;150:110223.
9. Künzel S*, **Yergaliyev T***, Wild KJ, Philippi H, Petursdottir AH, Gunnlaugsdottir H, et al. Methane Reduction Potential of Brown Seaweeds and Their Influence on Nutrient Degradation and Microbiota Composition in a Rumen Simulation Technique. *Frontiers in Microbiology*. 2022.
10. Szitenberg A, Beca-Carretero P, Azcárate-García T, **Yergaliyev T**, Alexander-Shani R, Winters G. Teasing apart the host-related, nutrient-related and temperature-related effects shaping the phenology and microbiome of the tropical seagrass *Halophila stipulacea*. *Environ Microbiome*. 2022;17:18.
11. **Yergaliyev TM**, Alexander-Shani R, Dimerets H, Pivonia S, Bird DM, Rachmilevitch S, et al. Bacterial Community Structure Dynamics in *Meloidogyne incognita*-Infected Roots and Its Role in Worm-Microbiome Interactions. *mSphere*. 2020;5.
12. Krotman Y*, **Yergaliyev TM***, Alexander Shani R, Avrahami Y, Szitenberg A. Dissecting the factors shaping fish skin microbiomes in a heterogeneous inland water system. *Microbiome*. 2020;8:9.

13. Xue Q, Bik H, **Yergaliyev TM**, Gu J, Fonderie P, Brown-Miyara S, et al. Widespread prevalence but contrasting patterns of intragenomic rRNA polymorphisms in nematodes: Implications for phylogeny, species delimitation, and life history inference. *Mol Ecol Resour.* 2019.

14. Sutula MYu, Akbassova AZh, **Yergaliyev TM**, Nurbekova ZhA, Mukiyanova GS, Omarov RT. Endowing plants with tolerance to virus infection by their preliminary treatment with short interfering RNAs. *Russ J Plant Physiol.* 2017;64:939–45.

15. Batyrshina Z, **Yergaliyev TM**, Nurbekova Z, Moldakimova NA, Masalimov ZK, Sagi M, et al. Differential influence of molybdenum and tungsten on the growth of barley seedlings and the activity of aldehyde oxidase under salinity. *J Plant Physiol.* 2018;228:189–96.

16. **Yergaliyev TM**, Nurbekova Z, Mukiyanova G, Akbassova A, Sutula M, Zhangazin S, et al. The involvement of ROS producing aldehyde oxidase in plant response to Tombusvirus infection. *Plant Physiol Biochem.* 2016;109:36–44.

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