

Kuanchaleyev Zhaxygali Mobile phone: +7 777 333 33 00

E-mail: ihtiojax@mail.ru

SCIENTIFIC QUALIFICATION

Academic degree

2021 : Master of Science in Agriculture with a specialization in Fisheries

2021-2023: PhD student

Research area: aquaculture, artificial reproduction of fish, design of recirculating water supply systems for fish rearing, intensification of fish farming methods

SCIENTIFIC DIRECTION

Participation in the implementation of research work within the framework of the state order:

- Executor of the PCF of the Ministry of Agriculture of the Republic of Kazakhstan "Development of biotechnical methods for growing new aquaculture objects in the conditions of fish farms in Kazakhstan " (20 12 -20 14)
- Contractor of the State Fund of the Ministry of Education and Science of the Republic of 2. Kazakhstan " Increasing the production of fish products in the conditions of lake-commodity farms" (2012 - 2014)
- 3. Head of the PCF of the Ministry of Agriculture of the Republic of Kazakhstan "Development of biotechnical methods for growing fish stock of valuable fish species in order to determine the most cost- effective" (20 I5 -20 I7)
- Contractor of the State Fund of the Ministry of Education and Science of the Republic of 4. Kazakhstan "Improving the technology of recirculating water supply systems for fish breeding" (20 **I5** -20 **I7**)
- 5. Head of the PCF of the Ministry of Agriculture of the Republic of Kazakhstan "Development and transfer of advanced methods and technologies of industrial fish farming " (2018-2020)
- co-leader GF MES RK "Development of technology for growing new aquaculture objects on 6. geothermal sources " (2018-2020)
- Head of the PCF MEGPR RK "Development and implementation of industrial technologies for 7. growing Australian red claw crayfish in the conditions of fish farms in Kazakhstan " (2021-2023)
- Co-head of the GF MES RK "Creation of a cryobank of reproductive cells of valuable fish 8. species of Kazakhstan " "" (2021-2023)
- 9. Contractor of the State Fund of the Ministry of Education and Science of the Republic of Kazakhstan "Development of biotechnical methods for the artificial reproduction of pike perch in an installation with a closed water supply cycle (RAS)" (2021-2023)

SCIENTIFIC ACHIEVEMENTS

Author of over 40 publications

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Publications in Web of Science, Scopus – 2; Avor seats -2.

Internships: 2015 - Japan (JICA), Finland (University of Eastern Finland), 2016 - Turkey (TI K A), **2017** - USA (Nelson and Pade, Inc.), **2019** — Hungary (Sarvash fish), China (Freshwater Fisheries Research Center), 2022 - Russian Federation (VNIIPRKh), Czech Republic (University of South Bohemia)