



TAFEM
R&D AND INNOVATION

CENTRAL FISHERIES RESEARCH INSTITUTE
SUMAE / TRABZON

MUSTAFA TÜRE, Assoc. professor Veterinarian

EDUCATION

PhD
2012-2015 Atatürk University
Faculty of Fisheries

MSc
2008-2011 Karadeniz Technical University
Fisheries Technology Engineering

Bachelor's Degree
1994-1999 İstanbul University
Veterinary Faculty

LANGUAGE English UDS 72

ABOUT ME

He worked as a project leader and researcher in various projects at the institute where he started working in 2006.

He has been working as the Head of the Department of Fisheries Health since 2014. He is the managing editor of the scientific journal "Genetics of Aquatic Organisms", which started its operations in 2017.

Türe, who received the title of Associate Professor in the Field of Veterinary Microbiology in 2021, is married and has 2 children.

CAREER

2006- Veterinarian, SUMAE - TRABZON

2001-2006 Private sector- TRABZON

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. TAGEM - Pathogenicity Analysis on Turbot and Rainbow Trout with *Viral Hemorrhagic Septicemia Virus* (VHSV) Isolates Isolated From Wild and Farmed Fish in Black Sea Region - Researcher - (2008-2010)
2. TAGEM - Determination of Genetic Diversity and spread of *Lactococcus garvieae*, Factor of Lactococciosis, by using Pulsed-Field Gel Electrophoresis (PFGE) Technique - Project Leader - (2010-2011).
3. Investigation of Bio-Ecological Characteristics and Culturability of Flounder (*Platichthys flesus luscus* Pallas, 1811) - Researcher - (2010-2013)
4. Development of Aquaculture of Black Sea Turbot (*Psetta maxima*) - Researcher - (2011-2013)
5. Determination of nutritional needs of Black Sea Trout (*Salmo labrax*) - Researcher - (2011-2017)
6. Sturgeon Breeding and Development of Conservation Strategy - Researcher - (2011-2014)
7. Determination of consumer acceptance and storage stability in the smoking of some fish caught and farmed in the Eastern Black Sea Region - Researcher - (2013-2015)
8. TAGEM - Determination of Quality Criterias and Shelf Life of Trout Coated with Whey Protein Isolated Nanocomposite Films) - Researcher - (2014-2015)
9. Investigation of the prevalence of some important zoonotic bacteria in sea bass, sea bream, and trout cultured in Turkey – Researcher - (2014-2015)
10. TÜBİTAK - 1001 - Feed Consumption, Gastric Emptying and Modeling in Larvae, Juvenile and Breeder Spring Trout (*Salvelinus fontinalis* Mitchill, 1814) (Project No: 113O362) - Researcher (2014-2016)



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11. TAGEM - Investigation of the Causes of Egg Loss and 0-6 Month Old Hatchlings in Trout Hatcheries in the Eastern Black Sea Region - Researcher (2014-2016)
12. TAGEM - Investigation of Breeding Possibilities of Swallow Fish (*Chelidonichthys lucerna*, L., 1758) - Researcher (2014 -2018)
13. TAGEM - Determination of the pharmacokinetics and in vivo activity of Florfenicol in healthy and *Lactococcus garvieae*-infected Rainbow Trout (*Oncorhynchus mykiss*, Walbaum 1792) and Turbot Fish (*Psetta maxima*) - Researcher (2015-2016)
14. TAGEM - Determination of Antibiotic Resistance Genes of the Bacteria Isolated From Cages in Eastern Black Sea - Project Leader - (2016-2018)
15. TAGEM - Antimicrobial effects of Lactoferrin - Fish Gelatine Nanofiber Membranes - Researcher - (2017-2018)
16. Possibilities of using some phytobiotic added diets in nutrition of Black sea trout (*Salmo labrax* Pallas, 1811) - Researcher (2017-2021)

- **Ongoing Projects**

1. TAGEM - Determination of biochemical contents of macroalgae species in the eastern black sea coasts - Researcher (2018 -)
2. TAGEM - The Use of Molecular Genetics and Biotechnological Methods to Form Trout Breeding Line - Researcher (2020-)
3. TAGEM - Isolation and Characterization of Bacteriophage against Fish Pathogenic Bacteria, *Aeromonas hydrophila* – Project Leader (2021)

- **PUBLICATIONS**

- **INTERNATIONAL ARTICLES AND PAPERS**
- **Articles Published in International Indexed Journals (SCI, SCI-Expanded)**



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Türe, M., Altinok, I., Cebeci, A., Caliskan, N. (2022). Characterization of novel bacteriophage HP-T19 that targets *Hafnia alvei*. *Aquaculture Research*. 53:694–699. <http://doi.org/10.1111/are.15592>

Gürbüz, S., Baydan, E., **Türe, M.**, Taçbaş, E., Akbulut, B., Özcelep, T. (2021). The Effect of Cooking and Cold Storage Processes on Florfenicol Residues in Muscle Tissues of Sturgeon (*Acipenser gueldenstaedtii*) Reared in Black Sea. *Pak. J. Agri. Sci.*, Vol. 58(2), 421-427. <http://doi.org/10.21162/PAKJAS/21.184>

Türe, M. (2021). Molecular identification of *Uronema marinum* (Protozoa, Ciliophora, Scuticociliatia) in cultured turbot (*Psetta maxima*) larvae. *Veterinary Research Forum*, 12 (1)121-124. <http://doi.org/10.30466/VRF.2020.110220.2614>

Türe, M., Kilic, M.B., Altinok, I. (2020). Relationship Between Heavy Metal Accumulation in Fish Muscle and Heavy Metal Resistance Genes in Bacteria Isolated from Fish. *Biol Trace Elem Res*, <https://doi.org/10.1007/s12011-020-02246-0>

Türe, M., Taçbaş., E., Baydan., E., Kutlu., İ., Altuntaş., C., Aydın., F.G., Arslanbaş., E., Tenekeci., G.Y. (2019). Determination of the muscle residue levels and withdrawal time of florfenicol in healthy and experimentally *Lactococcus garvieae* infected rainbow trout (*Oncorhynchus mykiss*, Walbaum 1792) grown in the Black Sea water. *Aquaculture Research*, 50(7), 1964-1972.

Alp-Erbay., E., Yeşilsu., A.F. and **Türe**, M. (2019). Fish Gelatin Antimicrobial Electrospun Nanofibers for Active Food-Packaging Applications. *Journal of Nano Research*, 56, 80-97. <http://doi.org/10.4028/www.scientific.net/JNanoR.56.80>.

Ture, M., Altinok, I., Alp, H. (2018). Effects of Cage Farming on Antimicrobial and Heavy Metal Resistance of *Escherichia coli*, *Enterococcus faecium*, and *Lactococcus garvieae*. *Microbial Drug Resistance*, <http://doi.org/10.1089/mdr.2018.0040>

Türe, M., Mısır, D.S., Altuntaş, C., Kutlu, İ. (2018). A Survey of Some Bacterial Fish Pathogens on Whiting (*Merlangius merlangus euxinus*) in Eastern Black Sea Coast, Turkey. *Turkish Journal of Fisheries and Aquatic Sciences*, https://dx.doi.org/10.4194/1303-2712-v18_11_09.

Erbay, E.A., Dağtekin, B.B., **Türe**, M., Yeşilsu, A.F. and Torres-Giner, S. (2017). Quality Improvement Of Rainbow Trout Fillets By Whey Protein Isolate Bioactive Coatings Containing Electrospun Poly(E-Caprolactone) Nanofibers With *Urtica Dioca* L. Extract During Storage, *Lwt - Food Science and Technology*, <http://doi.org/10.1016/J.Lwt.2017.01.002>

Ture, M. and Alp, H. (2016). Identification of Bacterial Pathogens and Determination of Their Antibacterial Resistance Profiles in Some Cultured Fish in Turkey. *J VET RES.*, 60, 141-146. <http://doi.org/10.1515/jvetres-2016-0020>

Avsever, M.L., Çavuşoğlu, C., Eskiizmirliiler S., **Türe**, M., H., Korun J. Çamkerten İ. (2016). First isolation of *Mycobacterium marinum* from sea bass (*Dicentrarchus labrax*) and gilthead sea bream (*Sparus auratus*) cultured in Turkey. *Bull. Eur. Ass. Fish Pathol.*, 36(5), 193-200.



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Türe, M, Altinok, I (2016). Detection of putative virulence genes of *Lactococcus garvieae*. Dis Aquat Org 119: 59-66. <http://doi.org/10.3354/dao02981>

Türe, M. and Boran, H. (2015). Phenotypic and Genotypic Antimicrobial Resistance of *Lactococcus* sp. Strains Isolated From Rainbow Trout (*Oncorhynchus mykiss*). Bull. Vet. Inst. Pulawy, 59, 37-42. <http://doi.org/10.1515/bvip-2015-0006>

Türe, M., Altinok, I. and Capkin, E. (2014). Comparison of pulsed-field gel electrophoresis and enterobacterial repetitive intergenic consensus PCR and biochemical tests to characterize *Lactococcus garvieae*. Journal of Fish Diseases, <http://doi.org/10.1111/jfd>

Türe, M., Haliloglu, H.İ., Altuntas, C., Boran, H., & Kutlu, İ. (2014). Comparison of Experimental Susceptibility of Rainbow Trout (*Oncorhynchus mykiss*), Turbot (*Psetta maxima*), Black Sea Trout (*Salmo trutta labrax*) and Sea Bass (*Dicentrarchus labrax*) to *Lactococcus garvieae*. Turkish Journal of Fisheries and Aquatic Sciences, 14, 507-513. http://doi.org/10.4194/1303-2712-v14_2_22

Articles Published in Other International Journals

Türe, M., Ozcelep, T., Akbulut, B., Kutlu, I. (2018). Disease of Russian sturgeon (*Acipenser gueldenstaedtii*) caused by *Aeromonas* sp.. *Genetics of Aquatic Organisms*, 2, 43-47. http://doi.org/10.4194/2459-1831-v2_2_03

Yesilsu, A.F., **Türe, M.**, Alp-Erbay, E., Dagtekin, B.B., Eroglu, O. (2018). Identification of Lactic Acid Bacteria from Spoiled Marinated Anchovy (*Engraulis encrasiculus*) Using 16S rRNA Gene Sequence Analysis. *Genetics of Aquatic Organisms*, 2, 11-15. http://doi.org/10.4194/2459-1831-v2_1_05

Türe, M., Alp, H., Altuntas, C., Kutlu, İ., Erbay, M. Savaş, H. (2017). Occurrence of Vancomycine Resistance Genes in Enterococci Isolated from Cage Areas in Turkey. *Genetics of Aquatic Organisms*, 1, 1-10. http://doi.org/10.4194/2459-1831-v1_1_02

▪ International Symposia, Seminars, etc.

Türe, M, Cebeci, A, Çalışkan, N, Sultan, AN. (2021). Isolation and Characterization of Bacteriophage against *Lactococcus garvieae*: An in-Vitro Study. International Congress on Biological and Health Sciences (icbh), 26-28 February, s:101.

Türe, M. (2019). Isolation of *Yersinia ruckeri* from Rainbow Trout (*Oncorhynchus mykiss*) in Kürtün Dam Lake (Gümüşhane, Turkey). IInd International Symposium on Limnology and Freshwater Fisheries. 03-05 September 2019, Oral Presentasyon.



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Taçbas, E., Baydan, E., Aydın, FG., Gökbüyük, C., Arslanbas, E., **Türe, M.**, Akbulut, B., Özcelep, T. (2019). Determination of Florfenicol Pharmacokinetics in *Acipenser gueldenstaedtii* Grown in the Black SeaWater. ICAS 2019: XIII. International Conference on Aquaculture and Fisheries, Oral Presentation.

Türe, M., Çalışkan, N. (2019). Investigation of Some Marine Algae for in-vitro Antimicrobial Activities against Fish Pathogenic Bacteria. 3. International Conference on Agriculture, Food and Veterinary and Pharmacy Sciences, ICAFOP 2019. 16-18 April, p:108.

Türe, M., Altuntaş, A., Kutlu, İ. (2019). First isolation of *Acinetobacter* sp. From Golden Grey Mullet (*Liza Aurata*) In Turkey. 3. International Conference on Agriculture, Food and Veterinary and Pharmacy Sciences, ICAFOP 2019. 16-18 April, p:108.

Özel, OT, **Türe, M.**, Cakmak, E., Çimgil, R., Çankırılıgil, EC. and Kutlu, İ. (2018). Effects of dietary daphne (*Laurus nobilis* L.) and fennel (*Foeniculum vulgare* L.) essential oils on some intestinal bacteria of Black Sea trout (*Salmo labrax*). 4th International Agriculture Congress, 05-08 July 2018, p. 87.

Türe, M., Altınok, İ., Alp, H., Kutlu, İ., Altuntaş, C., Savaş, H and Erbay, M. (2017). Determination of Phenotypic Antibiotic Resistance of the Bacteria Isolated from Cage Areas in Eastern Black Sea. Internaional Symposium on Limnology and Freshwater Fisheries, Oral Presentation, Abstract book, s 46.

Kutlu, S., Yeşilsu, A.F., Mısır-Balçık, G., Alp, E., Erteken, A., **Türe, M.**, Dağtekin, M., 2015. Determination of Storage Stability of Hot Smoked Atlantic Bonito and Trout with Different Wood Chips. 1st International Conference on Sea and Coastal Development in the Frame of Sustainability, (MACODESU-2015), 18-20 September 2015, Trabzon, Turkey. Abstract Book, p:189. (Poster).

Alp, E., Yeşilsu, A.F., Gözü-Dağtekin, B.B., **Türe, M.**, 2014. Electrospinning Parameters to Obtain Nanofibers from Stinging Nettle (*Urtica dioica* L.) to Reinforce Edible Coatings for Fish: A Novel Method. International Symposium on Fisheries and Aquatic Sciences, 25-27, September 2014, Trabzon, Turkey, Symposium Abstract Book, 462-463. (Poster).

- **NATIONAL ARTICLES AND PAPERS**
- **Articles Published in National Journals**

Türe, M., Altuntaş, A., Kutlu, İ. (2019). First Isolation of *Acinetobacter radioresistens* from Golden grey mullet (*Liza aurata*) in Turkey. *Anatolian Env. and Anim. Sciences*, 4(2), 111-114

Türe, M., Kutlu İ, (2018). Isolation of *Citrobacter freundii* from Rainbow Trout (*Oncorhynchus mykiss*) in Freshwater Cage. *LimnoFish*. 4(2): 143-151. [doi: 10.17216/LimnoFish.396496](https://doi.org/10.17216/LimnoFish.396496)

Türe, M. Cimgil, R. (2018). Bilateral Exophthalmos: The Most Important Sign of Lactococciosis in Rainbow Trout (*Oncorhynchus mykiss*). *Journal of Anatolian Environmental & Animal Sciences*, 3(2), 91-93.



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Türe, M. ve Altınok, İ. (2013). Pulsed-Field Gel Electrophoresis (PFGE) Metodu ve Sucul Organizmalarda Kullanımı. Eğirdir Su Ürünleri Fakültesi Dergisi, 9(1): 44-54.

Türe, M., Eroğlu, O., ve Aksakal, E. (2012). Balık Hastalıklarında Moleküler Genetik Belirteçler ve Kullanımları. Yunus Araştırma Bülteni, 12 (3):8-17.

Türe, M. (2010). Karadeniz Bölgesinde Gökkuşağı Alabalıklarında Lactococciosis Enfeksiyonu. Yunus Araştırma Dergisi, 10 (3):19-21.

- **International Papers, Seminars, etc.**

Recayi Çimgil, İlhan Aydin, Bilal Akbulut, **Mustafa Türe**, Erol Kalyon. Preliminary Study of Rainbow Trout (*Oncorhynchus mykiss*) Adaptation, Growth Performance and Feed Consumption to Black Sea Water in Early Period. V. Balık Besleme ve Yem Teknolojisi Çalıştayı. 6-7 Eylül 2018, Erzurum.

Zengin, M., Dağtekin, M. ve **Türe, M. (2015)**. Monitoring the Migration and Growth of Cultured Origin Branded Sturgeons (*Acipenser stellatus* and *Acipenser gueldenstaedti*) released into the Yeşilırmak, Kızılırmak and Sakarya Rivers in order to improve their natural populations. Eğirdir II. Balıklandırma ve Rezervuar Yönetimi Sempozyumu, sözlü bildiri.

Türe, M. ve Alp, H. (2015). Bacterial Agents and Antibacterial Resistance Profiles in Cultured Fish Species, Ekoloji Sempozyumu, Poster bildirim.

- **OTHER PUBLICATIONS**

- **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

Master Thesis : Determination of The Phenotypic and Genetic Diversity of *Lactococcus garvieae*

Ph.D Thesis : Determination of Pathogenicity of *Lactococcus garvieae* on Different Fish Species and Their Antibiotic Resistance

- **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**

Editorial

Ongoing

Genetics of Aquatic Organisms – Manager Editor (2017-)

Past

Turkish Journal of Fisheries and Aquatic Sciences – Manager Editor (2017-2019)



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Trainings

<u>Title of the Training</u>	<u>Start</u>	<u>Ending</u>	<u>Unit</u>
Demonstrative Training on Shellfish Pathologies	6. 05.2019	10.05.2019	FAO, Romania
Applicat. of epidemiology in aquatic animal health	15.12.2014	19.12.2014	CIHEAM, Spain
Fish Disease Practical Training Course	17.02.2014	21.02.2014	FAO, Trabzon
Academic Publication Preparation Training	14.03.2014		TÜBİTAK, Ankara
Reg. Intro. Train. Workshop on Aguat. Anim. health	3.12.2012	7.12.2012	FAO, Antalya
Seminar on Sturgeon Hatchery Techniques	19.04.2010	22.04.2010	FAO, Azerbaijan
Determination of Viral Fish Diseases	18.09.2006	21.09.2006	Bornova Vet. Kont.

Social Networks

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