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Education Information

Post Doctorate, Mississippi State University, College Of Veterinary Medicine, United States Of America 2011 - 2011

Post Doctorate, Auburn University, College Of Agriculture, United States Of America 2001 - 2002

Doctorate, Auburn University, Fisheries And Allied Aquaculture, United States Of America 1997 - 2001

Postgraduate, University of Florida, Fisheries And Aquatic Sciences, United States Of America 1994 - 1997

Undergraduate, Ankara University, Ziraat Fakültesi, Su Ürünleri, Turkey 1989 - 1993

Research Areas

Agricultural Sciences, Seafood, Aquaculture, Aquatic Diseases

Academic Titles / Tasks

Professor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Balıkçılık Teknolojisi Mühendisliği, 2011 - Continues

Associate Professor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Balıkçılık Teknolojisi Mühendisliği, 2006 - 2011

Assistant Professor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Balıkçılık Teknolojisi Mühendisliği, 2003 - 2006

Research Assistant PhD, Auburn University, Fisheries And Allied Aquaculture, Fisheries And Allied Aquaculture, 2001 - 2003

Research Assistant, Auburn University, Fisheries And Allied Aquaculture, Fisheries And Allied Aquaculture, 1998 - 2001

Research Assistant, University of Florida, Fisheries And Aquatic Sciences, Fisheries And Aquatic Sciences, 1996 - 1997

Academic and Administrative Experience

Karadeniz Technical University, Deniz Ekolojisi, 2004 - Continues

Karadeniz Technical University, 2005 - 2010

Karadeniz Technical University, 2003 - 2005

Advising Theses

- Altınok İ., Beyaz Kum Midyesi (*Chamelea gallina*, Linnaeus, 1758) populasyonlarının genetik yapısının belirlenmesi, Doctorate, R.ÇAĞRI(Student), 2018
- Altınok İ., Anadolu'da dağılım gösteren bazı kahverengi alabalık (*Salmo trutta labrax*, S. t. caspius, S. t. abanticus) hibritlerinin kuluçka performansları ve mikrosatellit dna belirteçlerine dayalı parental analizi, Doctorate, G.KALAYCI(Student), 2017
- Altınok İ., *Escherichia coli* genotiplerinin PFGE ile belirlenmesi, Postgraduate, S.ALTINTAŞ(Student), 2017
- Altınok İ., Bakteriyel enfeksiyonlara karşı kahverengi alabalıklarda gen ekspresyonunun belirlenmesi, Postgraduate, S.TURGUT(Student), 2017
- Altınok İ., Anadolu'da dağılım gösteren bazı kahverengi alabalıkların (*Salmo trutta labrax*, S. t. caspius, S. t. abanticus) ve hibritlerinin kromozom sayısı ve yapısının tespiti, Postgraduate, M.ALEMDAĞ(Student), 2017
- Altınok İ., Kahverengi alabalıkların bazı bakteriyel balık hastalıklarına karşı direncinin belirlenmesi, Postgraduate, D.ÇETİNDİR(Student), 2016
- ALTINOK İ., Balıklardan izole edilen bakterilerin antibiyotik direnç geni profillerinin belirlenmesi, Postgraduate, S.Özdemir(Student), 2015
- ALTINOK İ., *Lactococcus garvieae*'nin antijenik proteinlerinin western blot yöntemiyle belirlenmesi, Postgraduate, M.Cansu(Student), 2014
- ALTINOK İ., *Artemia salina*'da TiO₂, Ag TiO₂ ve ZnOTiO₂ Nanopartiküllerinin Sulu Süspansiyonlarının Toksikitesi, Birikimi ve Agregasyonunun Belirlenmesi, Doctorate, Y.ÖZKAN(Student), 2014
- ALTINOK İ., *Yersinia ruckeri*'nin Lipopolisakarit ve Dış Membran Protein Profillerinin Belirlenmesi., Postgraduate, G.AKYILDIZ(Student), 2013
- ALTINOK İ., *Yersiniosis* hastalığından korunmanın yeni yolu: canlı aşı., Postgraduate, Ü.Çağlar(Student), 2013
- ALTINOK İ., Nanopartiküllerin Zebra Balığı (*Danio rerio*) Larvaları Üzerine Olan Etkilerinin Gen Ekspresyon Yöntemiyle Belirlenmesi., Doctorate, H.BORAN(Student), 2012
- ALTINOK İ., Hamsi (*Engraulis encrasicolus*) ve İstavrit larvalarının (*Trachurus mediterraneus*) beslenme, büyüme, yaşama ve kritik açlık değerinin nükleik asit yöntemiyle belirlenmesi, Doctorate, İ.YANDI(Student), 2011
- ALTINOK İ., Akdeniz midyesi, *Mytilus galloprovincialis*, populasyonlarının genetik yapısının belirlenmesi, Doctorate, Ş.ATASARAL(Student), 2011
- ALTINOK İ., Türkiye Sularındaki İşkine (*Sciaena umbra*) ve Kötek (*Umbrina cirrosa*) Balıklarının Populasyonlarının Genetik Analizi., Postgraduate, Ş.FİRİDİN(Student), 2011
- ALTINOK İ., Diploid (2N) ve triploid (3N) Karadeniz kalkan balıklarında (*Psetta maxima*) erken dönem yetiştiricilik performanslarının karşılaştırılması, Doctorate, İ.AYDIN(Student), 2011
- ALTINOK İ., *Lactococcus garvieae*'nin Fenotipik ve Genetik Çeşitliliğinin Belirlenmesi., Postgraduate, M.TÜRE(Student), 2011
- ALTINOK İ., Trabzon ve Rize İllerinde Bulunan Bazı Balık İşletmelerinde Görülen Bakteriyel Hastalıkların Tespiti ve Bazı Etkenlerinin Çoklu PCR ile Teşhisi., Doctorate, Ş.KAYIŞ(Student), 2009
- ALTINOK İ., . Maneb ve Karbaril Aktif Maddelerini İçeren Pestisitlerin Gökkuşluğu Alabalıkları (*Oncorhynchus mykiss*) Üzerine Olan Histopatolojik Etkilerinin Belirlenmesi, Postgraduate, H.Boran(Student), 2009
- ALTINOK İ., Doğu Karadeniz Bölgesi'nde Bazı Ekonomik Balık Türlerinde Görülen Parazitler ve Türkiye'deki Durum, Postgraduate, T.ÖZÇELEP(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **NGS analysis revealed that *Lactococcus garvieae* Lg-Per was *Lactococcus petauri* in Türkiye**
Altınok İ., Öztürk R. Ç. , Türe M.
JOURNAL OF FISH DISEASES, vol.25, no.12, pp.1839-1843, 2022 (SCI-Expanded)
- II. **Skeletal development and malformations in the early life stage of diploid and triploid turbot (*Scophthalmus maximus*)**
Aydin İ., ÖZTÜRK R. Ç. , TERZİ Y., Küçük E., Polat H., ALTINOK İ.

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- III. **Prokaryotic community and diversity in coastal surface waters along the Western Antarctic Peninsula**
ÖZTÜRK R. Ç. , FEYZİOĞLU A. M. , ALTINOK İ.
POLAR SCIENCE, vol.31, 2022 (SCI-Expanded)
- IV. **Characterization of novel bacteriophage HP-T19 that targets *Hafnia alvei***
Ture M., ALTINOK İ., Cebeci A., Caliskan N.
AQUACULTURE RESEARCH, vol.53, no.2, pp.694-699, 2022 (SCI-Expanded)
- V. **Temperature appeared to be an effective factor on growth performance of diploid and triploid turbot, *Scophthalmus maximus*, during the early life stage**
Aydin I., ÖZTÜRK R. Ç. , Kucuk E., Polat H., ALTINOK İ.
AQUACULTURE, vol.546, 2022 (SCI-Expanded)
- VI. **Growth and feed conversion ratio of diploid and triploid induced juvenile turbot reared at different water temperatures**
Aydin İ., Küçük E., Polat H., ÖZTÜRK R. Ç. , TERZİ Y., ALTINOK İ.
Aquaculture, vol.543, 2021 (SCI-Expanded)
- VII. **Relationship Between Heavy Metal Accumulation in Fish Muscle and Heavy Metal Resistance Genes in Bacteria Isolated from Fish**
Ture M., Kilic M. B. , ALTINOK İ.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.199, no.4, pp.1595-1603, 2021 (SCI-Expanded)
- VIII. **Genetic population structure of the striped venus clam *Chamelea gallina* across its range**
ÖZTÜRK R. Ç. , ALTINOK İ.
Fisheries Research, vol.234, 2021 (SCI-Expanded)
- IX. **Parentage assignment in *Salmo trutta* strains and their crossbreeds with known mating**
Kalayci G., ÖZTÜRK R. Ç. , ALTINOK İ.
ENVIRONMENTAL BIOLOGY OF FISHES, vol.103, no.11, pp.1391-1399, 2020 (SCI-Expanded)
- X. **Parentage assignment in *Salmo trutta* strains and their crossbreeds with known mating**
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Environmental Biology Of Fishes, vol.103, no.11, pp.1391-1399, 2020 (SCI-Expanded)
- XI. **Interaction of Plastics with Marine Species**
ÖZTÜRK R. Ç. , ALTINOK İ.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.20, no.8, pp.647-658, 2020 (SCI-Expanded)
- XII. **Experimental crossbreeding reveals variation in growth among brown trout (*Salmo trutta*) strains and their reciprocal crossbreeds**
ALTINOK İ., ÖZTÜRK R. Ç. , ÇAPKIN E., Kalayci G.
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- XIII. **Comparative susceptibilities and immune-related gene expressions of brown trout strains and their hybrids infected with *Lactococcus garvieae* and *Yersinia ruckeri***
ÖZTÜRK R. Ç. , ALTINOK İ., Turgut S., ÇAPKIN E.
FISH & SHELLFISH IMMUNOLOGY, vol.91, pp.264-274, 2019 (SCI-Expanded)
- XIV. **Determination of virulence associated immunogenic proteins in some of *Lactococcus garvieae* strains**
Yesiltas M. C. , ALTINOK İ., ÖZTÜRK R. Ç.
VETERINARY RESEARCH FORUM, vol.10, no.2, pp.101-107, 2019 (SCI-Expanded)
- XV. **Karyotypes of Danubian lineage brown trout and their hybrids**
Alemdag M., ÖZTÜRK R. Ç. , Sahin S. A. , ALTINOK İ.
CARYOLOGIA, vol.72, no.4, pp.61-67, 2019 (SCI-Expanded)
- XVI. **Genetic and molecular evidence that brown trout *Salmo trutta* belonging to the Danubian lineage are a single biological species**
Kalayci G., ÖZTÜRK R. Ç. , ÇAPKIN E., ALTINOK İ.
JOURNAL OF FISH BIOLOGY, vol.93, no.5, pp.792-804, 2018 (SCI-Expanded)

- XVII. Effects of Cage Farming on Antimicrobial and Heavy Metal Resistance of *Escherichia coli*, *Enterococcus faecium*, and *Lactococcus garvieae***
Ture M., ALTINOK İ., Alp H.
MICROBIAL DRUG RESISTANCE, vol.24, no.9, pp.1422-1430, 2018 (SCI-Expanded)
- XVIII. Irreversible starvation using RNA/DNA on lab-grown larval anchovy, *Engraulis encrasicolus*, and evaluating starvation in the field-caught larval cohort**
YANDI İ., ALTINOK İ.
FISHERIES RESEARCH, vol.201, pp.32-37, 2018 (SCI-Expanded)
- XIX. Determination and transferability of plasmid-mediated antibiotic resistance genes of the bacteria isolated from rainbow trout**
ÇAPKIN E., Ozdemir S., ÖZTÜRK R. Ç. , ALTINOK İ.
AQUACULTURE RESEARCH, vol.48, no.11, pp.5561-5575, 2017 (SCI-Expanded)
- XX. Antimicrobial agents, triclosan, chloroxylenol, methylisothiazolinone and borax, used in cleaning had genotoxic and histopathologic effects on rainbow trout**
ÇAPKIN E., Özçelep T., Kayış S., ALTINOK İ.
CHEMOSPHERE, vol.182, pp.720-729, 2017 (SCI-Expanded)
- XXI. Genetic characterization of brown meagre (*Sciaena umbra*) and Shi Drum (*Umbrina cirrosa*) populations**
FIRIDIN S., Eroğlu O., ALTINOK İ.
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- XXII. Protection of rainbow trout against yersiniosis by lpxD mutant *Yersinia ruckeri***
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FISH & SHELLFISH IMMUNOLOGY, vol.55, pp.21-27, 2016 (SCI-Expanded)
- XXIII. İstavrit Balığı (*Trachurus mediterraneus* Steindachner, 1868)'nın Doğu Karadeniz'de Kafeslerde Büyüme Performansının Belirlenmesi**
BAŞÇINAR N., Sonay F. D. , Alsan Ş., ALTINOK İ.
TARIM BİLİMLERİ DERGİSİ-JOURNAL OF AGRICULTURAL SCIENCES, vol.22, pp.179-186, 2016 (SCI-Expanded)
- XXIV. Aqueous Hg²⁺ associates with TiO₂ nanoparticles according to particle size, changes particle agglomeration, and becomes less bioavailable to zebrafish**
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- XXV. Detection of putative virulence genes of *Lactococcus garvieae***
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- XXVI. Determination of TiO₂ and AgTiO₂ Nanoparticles in *Artemia salina*: Toxicity, Morphological Changes, Uptake and Depuration**
Ozkan Y., ALTINOK İ., İLHAN H., Sokmen M.
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- XXVII. Comparison of molecular and biochemical heterogeneity of *Yersinia ruckeri* strains isolated from Turkey and the USA**
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AQUACULTURE, vol.450, pp.80-88, 2016 (SCI-Expanded)
- XXVIII. Growth Performance of Horse Mackerel (*Trachurus mediterraneus* Steindachner, 1868) Reared in Sea Cages at the Southeastern Black Sea**
BAŞÇINAR N., Sonay F. D. , Alsan S., ALTINOK İ.
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- XXIX. Succinate dehydrogenase mutant of *Listonella anguillarum* protects rainbow trout against vibriosis**
ALTINOK İ., ÇAPKIN E., Karsi A.
VACCINE, vol.33, no.42, pp.5572-5577, 2015 (SCI-Expanded)

- XXX. **Occurrence of antibiotic resistance genes in culturable bacteria isolated from Turkish trout farms and their local aquatic environment**
ÇAPKIN E., Terzi E., ALTINOK İ.
DISEASES OF AQUATIC ORGANISMS, vol.114, no.2, pp.127-137, 2015 (SCI-Expanded)
- XXXI. **Defining the starvation potential and the influence on RNA/DNA ratios in horse mackerel (*Trachurus mediterraneus*) larvae**
Yandi I., ALTINOK İ.
HELGOLAND MARINE RESEARCH, vol.69, no.1, pp.25-35, 2015 (SCI-Expanded)
- XXXII. **Comparison of pulsed-field gel electrophoresis and enterobacterial repetitive intergenic consensus PCR and biochemical tests to characterize *Lactococcus garvieae***
Ture M., Altinok I., Capkin E.
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- XXXIII. **Comparison of PFGE and ERIC-PCR and biochemical tests to characterize *Lactococcus garvieae***
Türe M., ALTINOK İ., ÇAPKIN E.
JOURNAL OF FISH DISEASES, vol.15, pp.27-35, 2015 (SCI-Expanded)
- XXXIV. **Response of Acetylcholinesterase (AChE) in the Erythrocyte and Liver of Rainbow Trout Exposed to Carbosulfan**
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TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.3, pp.643-650, 2014 (SCI-Expanded)
- XXXV. **Response of acetylcholinesterase (AChE) in the erythrocyte and liver of rainbow trout exposed to carbosulfan**
ÇAPKIN E., Boran H., ALTINOK İ.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.4, pp.10-15, 2014 (SCI-Expanded)
- XXXVI. **Response of acetylcholinesterase (AChE) in the erythrocyte and liver of rainbow trout exposed to carbosulfan**
ÇAPKIN E., Boran H., ALTINOK İ.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.4, pp.10-15, 2014 (SCI-Expanded)
- XXXVII. **Impacts of chloramine-T treatment on antioxidant enzyme activities and genotoxicity in rainbow trout, *Oncorhynchus mykiss* (Walbaum)**
Boran H., ALTINOK İ.
JOURNAL OF FISH DISEASES, vol.37, no.5, pp.431-441, 2014 (SCI-Expanded)
- XXXVIII. **Bacterial and Viral Fish Diseases in Turkey**
ÖZTÜRK R. Ç. , ALTINOK İ.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.1, pp.275-297, 2014 (SCI-Expanded)
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ÇAPKIN E., Altinok İ.
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- XL. **Bacterial diseases of cultured Mediterranean horse mackerel (*Trachurus mediterraneus*) in sea cages**
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- XLI. **Prevention of surface death of horse mackerel (*Trachurus mediterraneus*) larvae by the addition of egg white and camphor grain to rearing water**
Yandi I., ALTINOK İ.
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- XLII. **Assessment of acute toxicity and histopathology of the fungicide captan in rainbow trout**
Boran H., ÇAPKIN E., ALTINOK İ., Terzi E.
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- XLIII. **Mutagenic, genotoxic and enzyme inhibitory effects of carbosulfan in rainbow trout *Oncorhynchus mykiss***
ALTINOK İ., ÇAPKIN E., Boran H.

- PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.102, no.1, pp.61-67, 2012 (SCI-Expanded)
- XLIV. **Influence of Bioassay Volume, Water Column Height, and Octanol-Water Partition Coefficient on the Toxicity of Pesticides to Rainbow Trout**
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- XLV. **Multiplex PCR assay for detection of four major bacterial pathogens causing rainbow trout disease**
Altinok I.
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- XLVI. **Treatment by Vinegar of *Philasterides dicentrarchi* (Ciliophora: Scuticociliatida) Infestation in Cultured Juvenile Turbot (*Psetta maxima*)**
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- XLVII. **Effects of some pesticides on the vital organs of juvenile rainbow trout (*Oncorhynchus mykiss*)**
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- L. **First Report of *Tristomella laevis* (Monogenea, Capsalidae) from Aegean Sea in Turkey**
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- LII. **First reported case of Chironomid midge larva infestations in rainbow trout (*Oncorhynchus mykiss* Walbaum 1792) eggs**
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- LIII. **Bacteria in Rainbow Trout (*Oncorhynchus mykiss*) in the Southern Black Sea Region of Turkey - A Survey**
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- LIV. **Histopathological changes in rainbow trout (*Oncorhynchus mykiss*) after exposure to sublethal composite nitrogen fertilizers**
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- LV. **Protozoan and Metazoan Parasites of Cultured Fish in Turkey and their Applied Treatments**
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- LVIII. **External protozoan parasites in three trout species in the Eastern Black Sea region of the Turkey:**

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- LIX. **Disease of rainbow trout caused by *Pseudomonas luteola***
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- LX. **Histopathology of rainbow trout exposed to sublethal concentrations of methiocarb or endosulfan**
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- LXI. **Acute toxicity of carbaryl, methiocarb, and carbosulfan to the rainbow trout (*Oncorhynchus mykiss*) and guppy (*Poecilia reticulata*)**
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- LXIII. **Water quality and fish size affect toxicity of endosulfan, an organochlorine pesticide, to rainbow trout**
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- LXIV. **Effects of water quality and fish size on toxicity of methiocarb, a carbamate pesticide, to rainbow trout**
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- LXV. **Isolation of *Renibacterium salmoninarum* from cultured Black Sea salmon (*Salmo trutta labrax*): first report in Turkey**
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- LXVI. **Toxicity and therapeutic effects of chloramine-T for treating *Flavobacterium columnare* infection of goldfish**
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- LXVII. **Excretion of ammonia and urea by phylogenetically diverse fish species in low salinities**
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- LXVIII. **Molecular Diagnosis of Fish Diseases: a Review**
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Marine Molecular Biology and Ecology, Assistant Editor, 2014 - Continues

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