

Prof. Abdulkadir BAYIR

Personal Information

Office Phone: [+90 442 231 1542](tel:+904422311542)

Fax Phone: [+90 442 236 0958](tel:+904422360958)

Web: <https://avesis.atauni.edu.tr/abayir>

Address: Atatürk Üniversitesi, Su Ürünleri Fakültesi, Yetiştiricilik Bölümü, Erzurum

International Researcher IDs

ScholarID: nT5cMLQAAAAJ

ORCID: 0000-0001-9058-5679

Publons / Web Of Science ResearcherID: A-2262-2010

ScopusID: 6506315011

Yoksis Researcher ID: 38290

Education

2002 - 2005	Doctorate, Ataturk University, Ziraat Fakültesi, Su Ürünleri Abd, Turkey
1999 - 2002	Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Su Ürünleri Abd, Turkey
1994 - 1999	Undergraduate, Ataturk University, Ziraat Fakültesi, Su Ürünleri Bölümü, Turkey

Dissertations

2005	Hinis Çayı (Murat havzası)'nda yaşayan siraz balığı (<i>Capoeta capoeta umbra</i>)'nın antioksidan enzim aktiviteleri, serum lipidleri, lipoproteinleri ve hematolojik parametrelerinin mevsimsel değişimlerinin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Su Ürünleri Bölümü, Doctorate
2002	Canlı (<i>Gammarus pulex</i>) ve yaş (sığır dalağı) yemin gökkuşuğu alabalığı (<i>Oncorhynchus mykiss</i>) yavrularına belirli aralıklarla verilmesinin glukoz 6 fosfat dehidrogenaz ve karbonik anhidraz enzim aktiviteleri ile büyüme, yem değerlendirme ve yaşama gücü üzerine etkileri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Su Ürünleri Abd, Postgraduate

Research Areas

Agricultural Sciences, Seafood, Aquaculture, Life Sciences, Bioinformatics, Biological Information, Biological Databases, Natural Sciences

Academic Positions

2018 - Continues	Professor, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği
------------------	---

Courses

Postgraduate

2020 - 2021	Balık Lipid Nutrigenomiği
2019 - 2020	BALIK LİPİD NUTRİGENOMİĞİ
2019 - 2020	BALIK LİPİD NUTRİGENOMİĞİ

Undergraduate

2020 - 2021	Balık Biyodeneyleeri
-------------	----------------------

2020 - 2021	Balık Sistematiği
2019 - 2020	DENİZ BALIKLARI YETİŞTİRİCİLİĞİ
2020 - 2021	Moleküler Biyoloji: Biyoinformatik
2020 - 2021	Balık Biyodeneyleleri
2019 - 2020	BALIK SİSTEMATİĞİ

Supervised Theses

2015	BAYIR A., Doctorate, A.Ölmez(Student), Uzun Süreli Açlığın Zebra Balığı (Danio rerio) Yağ Asidi Metabolizmasına Moleküler Etkileri
2014	BAYIR A., Postgraduate, H.Salih(Student), Nil Tilapyası (Oreochromis niloticus)'NDA Aşıl Koenzim A Sentezaz 2 Geninin Biyoenformatiği ve Diyete Polihidroksi Bütirat İlavlesinin Büyüme Parametrelerine ve Yaşama Gücüne Etkileri
2011	BAYIR A., Postgraduate, K.Bayraktar(Student), Alternatif Yağ Kaynakları (Kaz, Koyun Kuyruk ve Sığır İç Yağı)'Nin Yavru Gökkuşuğu Alabalıklarında (Onchorhynchus mykiss) Büyüme Parametreleri ve Yağ Asidi Profileline Etkileri

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Investigating the genomic and biochemical effects of dalapon on antioxidant systems in zebrafish, *Danio rerio***
BAYIR M., BAYIR A., Uzun B. N., Turhan S.
TOXICOLOGY MECHANISMS AND METHODS, 2025 (SCI-Expanded)
- II. **CRISPR-Based Genetic Improvement of Aquaculture Species**
Bayır A., Saoula S., Almansour A., Wang D., Bayır M., Uzun B. N., Turhan S., Arslan H., Arslan G.
FISHES, no.2, 2025 (SCI-Expanded)
- III. **Fatty acid-binding protein genes in gilthead seabream: molecular cloning and nutritional regulation under low water temperatures**
TAŞBOZAN O., ERBAŞ C., BAYIR M., Özdemir E., ARSLAN G., BAYIR A.
Journal of Fish Biology, vol.102, no.4, pp.816-828, 2023 (SCI-Expanded)
- IV. **Identification, characterization and nutritional regulation of fatty acid-binding protein (fabp) genes by vegetable oils in European seabass (*Dicentrarchus labrax*) reared in low water temperatures**
Taşbozan O., Erbaş C., Bayır M., Özdemir E., Bayır A.
AQUACULTURE RESEARCH, vol.53, pp.6683-6699, 2022 (SCI-Expanded)
- V. **Differential retention of duplicated retinoid-binding protein (crabp & rbp) genes in the rainbow trout genome after two whole genome duplications and their responses to dietary canola oil**
BAYIR M., ARSLAN G., Ozdemir E., BAYIR A.
AQUACULTURE, vol.549, 2022 (SCI-Expanded)
- VI. **Changes in fatty acids, blood biochemistry and mRNA expressions of genes involved in polyunsaturated fatty acid metabolism in brown trout (*Salmo trutta*) during starvation and refeeding**
ARSLAN G., BAYIR M., YAĞANOĞLU A. M., BAYIR A.
AQUACULTURE RESEARCH, vol.52, no.2, pp.494-504, 2021 (SCI-Expanded)
- VII. **Identification and Characterization of Carnitine Palmitoyltransferase 1 (cpt 1) Genes in Nile Tilapia, *Oreochromis niloticus***
BAYIR M., ARSLAN G., BAYIR A.
EVOLUTIONARY BIOINFORMATICS, vol.16, 2020 (SCI-Expanded)
- VIII. **Characterization of the isoforms of type IIb sodium-dependent phosphate cotransporter (Slc34a2) in yellow catfish, *Pelteobagrus fulvidraco*, and their vitamin D-3-regulated expression under low-phosphate conditions**

Chen P., Huang Y., Bayir A., Wang C.

FISH PHYSIOLOGY AND BIOCHEMISTRY, vol.43, pp.229-244, 2017 (SCI-Expanded)

- IX. **A comparison of growth, antioxidant levels and fatty acid metabolism in juvenile rainbow trout (*Oncorhynchus mykiss*) reared in two different stocking densities: low and high**
BAYIR M., BAYIR A.
MARINE AND FRESHWATER BEHAVIOUR AND PHYSIOLOGY, vol.50, pp.345-357, 2017 (SCI-Expanded)
- X. **Effects of long-term starvation and refeeding on fatty acid metabolism-related gene expressions in the liver of zebrafish, *Danio rerio***
Olmez A., Bayir M., Wang C., Bayir A.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.39, pp.654-660, 2015 (SCI-Expanded)
- XI. **Influence of Different Dietary Lipids on the Activity of Metabolic Enzymes in Brown Trout (*Salmo trutta*)**
ATASEVER A., ARSLAN M., Sirkecioglu N., BAYIR A., Ekin D., Senturk M.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.1, pp.31-36, 2014 (SCI-Expanded)
- XII. **A comparison of the effect of long-term starvation on responses to low-temperature stress by juvenile rainbow (*Oncorhynchus mykiss*) and brown (*Salmo trutta*) trout reveal different responses in the two species**
BAYIR M., BAYIR A., Aras N. M.
MARINE AND FRESHWATER BEHAVIOUR AND PHYSIOLOGY, vol.47, no.4, pp.239-251, 2014 (SCI-Expanded)
- XIII. **Goose fat, a promising nutrient for fish feeding, activates antioxidant enzymes in rainbow trout, *Oncorhynchus mykiss***
Mercan L., SIRKECIOGLU N., Aksakal E., BAYIR M., BAYIR A., Aras M., Ekin D.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.36, no.3, pp.964-971, 2013 (SCI-Expanded)
- XIV. **The Effect of the Replacement of Fish oil with Animal Fats on the Growth Performance, Survival and Fatty Acid Profile of Rainbow Trout Juveniles, *Oncorhynchus mykiss***
BAYRAKTAR K., BAYIR A.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.12, no.3, pp.661-666, 2012 (SCI-Expanded)
- XV. **The Influence of Substitution of Dietary Fish Oil with Different Vegetable Oils on Performance and Fatty Acid Composition of Brown Trout, *Salmo trutta***
ARSLAN M., SİRKECİOĞLU A. N., BAYIR A., ARSLAN H., ARAS M.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.12, no.3, pp.575-583, 2012 (SCI-Expanded)
- XVI. **Metabolic responses to prolonged starvation, food restriction, and refeeding in the brown trout, *Salmo trutta*: Oxidative stress and antioxidant defenses**
BAYIR A., SIRKECIOGLU A. N., BAYIR M., HALILOGLU H. I., KOCAMAN E. M., ARAS N. M.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY B-BIOCHEMISTRY & MOLECULAR BIOLOGY, vol.159, no.4, pp.191-196, 2011 (SCI-Expanded)
- XVII. **Seasonal variations in serum lipids, lipoproteins and some haematological parameters of chub (*Leuciscus cephalus*)**
BAYIR A.
ITALIAN JOURNAL OF ANIMAL SCIENCE, vol.7, no.4, pp.439-448, 2011 (SCI-Expanded)
- XVIII. **Effects of Dietary Lipid Source on Growth, Survival, and Fatty Acid Composition of Brown Trout Juveniles, *Salmo trutta***
BAYIR A., SİRKECİOĞLU A. N., BAYIR M., ARSLAN M., GÜNEŞ M., HALİLOĞLU H. İ., Aras N. M., ARSLAN H.
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.63, 2011 (SCI-Expanded)
- XIX. **INFLUENCE OF SEASON ON ANTIOXIDANT DEFENSE SYSTEMS OF *Silurus glanis* Linnaeus (Siluridae) AND *Barbus capito* capito Guldenstadt (Cyprinidae)**
BAYIR A., SİRKECİOĞLU A. N., BAYIR M., HALİLOĞLU H. İ., AKSAKAL E., GÜNEŞ M., Aras N. M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.1, pp.3-11, 2011 (SCI-Expanded)
- XX. **Fatty acids of neutral and phospholipids of three endangered trout: *Salmo trutta caspius* Kessler, *Salmo trutta labrax* Pallas and *Salmo trutta macrostigma* Dumeril**
BAYIR A., Sirkecioglu A. N., Aras N. M., Aksakal E., Haliloglu H. I., BAYIR M.

- FOOD CHEMISTRY, vol.119, no.3, pp.1050-1056, 2010 (SCI-Expanded)
- XXI. **Comparison of hatchery performances of rainbow trout *Oncorhynchus mykiss* Brown Trout *Salmo trutta fario* and Brook Trout *Salvelinus fontinalis* under the same environmental condition**
KOCAMAN E. M., BAYIR A., SİRKECİOĞLU A. N., BAYIR M., YANIK T.
Journal of Animal and Veterinary Advances, vol.8, no.7, pp.1429-1431, 2009 (SCI-Expanded)
- XXII. **Seasonal changes in antioxidant defence system of liver and gills of *Salmo trutta caspius*, *Salmo trutta labrax* and *Salmo trutta macrostigma***
Aras N. M., BAYIR A., Sirkecioglu A. N., BAYIR M., AKSAKAL E., Haliloglu H. I.
JOURNAL OF FISH BIOLOGY, vol.74, no.4, pp.842-856, 2009 (SCI-Expanded)
- XXIII. **Intensive and Semi Intensive Culture Probability of Caner *Barbus capito capito* Guldenstadt of Aras River Erzurum Turkey**
YANIK T., HİSAR O., ARAS HİSAR Ş., BAYIR A., SİRKECİOĞLU A. N., AYIK Ö., ARAS S.
Journal Of Animal And Veterinary Advances, vol.8, pp.829-834, 2009 (SCI-Expanded)
- XXIV. **The comparison of total fat and fatty acid profiles with some bio-ecological features of *Capoeta capoeta umbla* HECKEL, 1843 living in Tuzla Stream and Tercan Dam Lake**
Aras N. M., GÜNEŞ M., BAYIR A., SİRKECİOĞLU A. N., HALİLOĞLU H. İ.
EKOLOJİ, vol.19, no.73, pp.55-64, 2009 (SCI-Expanded)
- XXV. **Comparison of Hatchery Performances of Rainbow Trout (*Oncorhynchus mykiss*), Brown Trout (*Salmo trutta fario*) and Brook Trout (*Salvelinus fontinalis*) under the Same Environmental Conditions**
KOCAMAN E. M., BAYIR A., Sirkecioglu A. N., BAYIR M., YANIK T., ARSLAN H.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.8, no.7, pp.1429-1431, 2009 (SCI-Expanded)
- XXVI. **The effects of different stressors on antioxidant enzyme activities in the erythrocyte of rainbow trout (*Oncorhynchus mykiss* W., 1792)**
Oezmen I., Atamanalp M., Bayir A., Sirkecioglu A. N., Cengiz M., Cengiz M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, pp.922-927, 2007 (SCI-Expanded)
- XXVII. **Growth of trout juveniles (*Oncorhynchus mykiss*, *Salvelinus fontinalis* and *Salmo trutta fario*) under uniform cultural conditions**
Kocaman E. M., Bayir A., Sirkecioglu A. N., Bayir M. C., Yanik T.
JOURNAL OF APPLIED ANIMAL RESEARCH, vol.30, pp.73-75, 2006 (SCI-Expanded)
- XXVIII. **Comparison of fatty acid composition in some tissues of rainbow trout (*Oncorhynchus mykiss*) living in seawater and freshwater**
Haliloglu H. İ., Bayir A., Sirkecioglu A. N., Aras N., Atamanalp M.
FOOD CHEMISTRY, vol.86, pp.55-59, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Alterations in Fatty Acids of Polar Lipids in *Salmo trutta* on Long term Exposure to a Glyphosate Based Herbicide Roundup**
BAYIR M., SİRKECİOĞLU A. N., BAYIR A., ARAS M.
Pakistan Journal of Biological Sciences., 2013 (Scopus)
- II. **Yağ asitlerinin Balıkların Büyüme ve Stres Toleransı Üzerine Etkileri**
BAYIR M., SİRKECİOĞLU A. N., BAYIR A., YANIK T., ARAS M.
Atatürk Üniv. Ziraat Fak. Dergisi, vol.31, no.1, 2010 (Peer-Reviewed Journal)
- III. **Yağ Asitlerinin Balıkların Büyüme ve Stres Toleransına Etkileri**
BAYIR M., SİRKECİOĞLU A. N., BAYIR A., YANIK T., ARAS M.
ATATÜRK ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.41, pp.65-70, 2010 (Peer-Reviewed Journal)
- IV. **Bir Dezenfektanın Malahit Yeşili Subletal Dozlarının Gökkuşacağı *Alabaliği* *Oncorhynchus mykiss* Kan Parametreleri Üzerine Etkileri**
Atamanalp M., Bayir A., Sirkecioglu A. N., Bayir M.

Gazi Üniv. Fen Bilimleri Derg., vol.23, no.3, pp.177-187, 2003 (Peer-Reviewed Journal)

V. **The effects of liver feed on haematocrit and haemoglobin levels of rainbow trout *Oncorhynchus mykiss***

Atamanalp M., Sirkecioğlu A. N., Bayır A., Yanık T.

ATATÜRK ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.34, pp.229-232, 2003 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **AQUAPONICS APPLICATIONS in TÜRKİYE and DEVELOPMENT PROPOSALS in THIS FIELD**
BAYIR A., BAYIR M., Turhan S., USANMAZ B., KAYMAK H. Ç., IŞIK C.
Africa Aquaculture 2024, Hammamet, Tunisia, 19 - 22 November 2024, (Summary Text)
- II. **CRISPR/Cas9-MEDIATED MYOSTATIN KNOCKDOWN PROMOTES GROWTH IN BLACK SEA TROUT, *Salmo labrax***
BAYIR A., BAYIR M., Uzun B. N., ÇAKMAK E., ARSLAN G., ÖZKAN H.
Africa Aquaculture 2024, Hammamet, Tunisia, 19 - 22 November 2024, (Summary Text)
- III. **An Effective Approach for Sustainable Food Production: Aquaponics**
BAYIR A., BAYIR M., Turhan S., KAYMAK H. Ç., IŞIK C., USANMAZ B.
International Conference "Mountains: Biodiversity, Landscapes and Cultures", Baku, Azerbaijan, 5 - 06 November 2024, (Summary Text)
- IV. **Recent Progress in Crispr-Cas9 in Aquatic Model Organisms**
BAYIR M., Turhan S., UZUN B. N., BAYIR A., ARSLAN G.
5 TH INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, Pitesti, Romania, 10 September 2024, (Full Text)
- V. **Computational Analysis of the FKBP Prolyl Isomerase 5 Gene in Medaka (*Oryzias latipes*): Insights into Molecular Mechanisms and Functional Implications**
Uzun B. N., Bayır M., Turhan S., Arslan G., Bayır A.
5th International Conference on Food, Agriculture and Animal Sciences, Antalya, Turkey, 23 November 2023, (Full Text)
- VI. **Gökkuşığı Alabalığı (*Oncorhynchus mykiss*) nda Yağ Asidi Kompozisyonunun Diyete BAĞLI Değişiminin Modellenmesi**
BAYIR A., BUREAU D.
V. Balık Besleme ve Yem Teknolojileri Çalıştayı, Erzurum, Turkey, 6 - 07 September 2018, (Summary Text)
- VII. **GENOMIC ORGANIZATION AND PHYLOGENY OF ELOVL5 GENE IN PLATYFISH *Xiphophorus maculatus***
BAYIR A.
MIDDLE EAST & CENTRAL ASIA AQUACULTURE (MECAA) 2016, İzmir, Turkey, 2 - 04 June 2016
- VIII. **Bioinformatics and tissue specific distribution of carnitine palmitoyltransferase II gene in Nile tilapia *Oreochromis niloticus***
BAYIR M., BAYIR A.
Aquaculture Europe 2015, Rotterdam, Netherlands, 20 - 23 October 2015, pp.78-79, (Summary Text)
- IX. **Effects of high stocking density on liver and muscle mineral content in rainbow trout *Oncorhynchus mykiss***
Bayır M., Çakır O., Bayır A.
Aquaculture Europe 2015, Rotterdam, Netherlands, 20 - 23 October 2015, pp.80-81, (Summary Text)
- X. **BIOINFORMATICS AND TISSUESPECIFICDISTRIBUTION OFCARNITINEPALMITOYLTRANSFERASE II GENE IN NILE TILAPIA *Oreochromis niloticus***
BAYIR M., BAYIR A.
Aquaculture Europe 2015, 20 - 22 October 2015, (Summary Text)
- XI. **EFFECTS OF DIFFERENT DIETARY LIPID SOURCES ON THE SURVIVAL, GROWTH PERFORMANCE AND FATTY ACID PROFILES OF RAINBOW TROUT JUVENILES, *Oncorhynchus mykiss***
BAYIR A., BAYRAKTAR K., SİRKECİOĞLU A. N., BAYIR M., HALİLOĞLU H. İ., ARAS M.

- Aquaculture Europa 2011, 18 - 21 October 2011, (Full Text)
- XII. **GAP Bölgesinde Sazan (Cyprinus carpio) Balığı Yetiştiriciliğinin Önemi**
BAYIR A., SİRKECİOĞLU A. N., Aras M., BAYIR M.
Gap 4. Tarım Kongresi, Şanlıurfa, Turkey, 21 - 29 September 2005, (Full Text)
- XIII. **Kadmiyumun gökkuşağı alabalığı Oncorhynchus mykiss eritrositlerindeki bazı antioksidan enzimler üzerine etkisi**
BAYIR A., HİSAR O., YANIK T., ARAS M.
XIII. Ulusal Su Ürünleri Sempozyumu, Turkey, 1 - 03 June 2005, (Summary Text)
- XIV. **Comparing sensory characteristics of three trout species (Oncorhynchus mykiss Walbaum, 1792, Salmo trutta fario L., 1758, Salvelinus fontinalis Mitchill, 1814).**
ATAMANALP M., KOCAMAN E. M., BAYIR A., AYIK Ö., ESENBÜĞA N.
XL Croatia Symposium on Agriculture with International Participation, Zagreb, Croatia, 15 - 18 February 2005, pp.517-518, (Full Text)
- XV. **Comparing sensory characteristics of three trout species Oncorhynchus mykiss Walbaum 1792 salmo trutta fario L 1758 Salvelinus fontinali Mitchill 1814**
ATAMANALP M., KOCAMAN E. M., BAYIR A., AYIK Ö., ESENBÜĞA N.
XL. CROATIAN SYMPOSIUM ON AGRICULTURE with International Participation, Opatija, Croatia, 15 - 18 February 2005, pp.517, (Summary Text)
- XVI. **Comparing sensory characteristics of three trout species Oncorhynchus mykiss Walbaum 1792 salmo trutta fario L 1758 Salvelinus fontinali Mitchill 1814**
ATAMANALP M., KOCAMAN E. M., BAYIR A., AYIK Ö., ESENBÜĞA N.
XL. CROATIAN SYMPOSIUM ON AGRICULTURE with International Participation, Opatija, Croatia, 15 - 18 February 2005, pp.517, (Summary Text)
- XVII. **Resirkülasyon Sisteminin Gökkuşağı Alabalığı Oncorhynchus mykiss nda Bazı Önemli Enzim Aktiviteleri Üzerine Etkileri XVIII Ulusal Kimya Kongresi**
ÖZMEN İ., BAYIR A., SİRKECİOĞLU A. N., BAYIR M., ATAMANALP M.
XVIII. Ulusal Kimya Kongresi, Turkey, 5 - 09 October 2004, (Summary Text)
- XVIII. **Diazinon un Gökkuşağı Alabalığı Oncorhynchus mykiss Hematolojik Parametreleri Üzerine Etkileri**
ATAMANALP M., BAYIR A., SİRKECİOĞLU A. N., BAYIR M.
GAP III. Tarım Kongresi, Turkey, 2 - 04 October 2003, (Full Text)
- XIX. **Diazinonun Gökkuşağı Alabalığı Oncorhynchus mykiss nda önemli enzim ve elektrolitler üzerine etkileri**
Atamanalp M., Bayır A., Sirkecioğlu A. N., Bayır M., Yanık T., Ayık Ö.
III. GAP ve Sanayi Kongresi, Şanlıurfa, Turkey, 18 September 2003, (Summary Text)

Funded Projects

2023 - Continues	Karnitin Palmitoltransferaz cpt Genlerinin Biyoinformatiği Doku Spesifik Transkripsiyonları ve Akuaponik Sisteminin cpt mRNA Ekspresyonlarına Etkileri, Project Supported by Higher Education Institutions
2023 - 2026	Aquaponics optimization in a local climatic, economic and cultural context: maximizing the benefits of a circular bioeconomy for food production, TUBITAK Project
2022 - 2025	Karadeniz Alabalığı (Salmo labrax)'nda Myostatin (mstn) Geninin Moleküler Klonlanması, Karakterizasyonu ve CRISPR/Cas9 Metodu Kullanılarak Susturulan mstn Genine Sahip Balıkların Kuluçka ve Büyüme Performansları, TUBITAK Project
2023 - 2024	Dördüncü Tur Tüm Genom Duplikasyonunu Takiben Pullu Sazanda Yağ Asidi Bağlayıcı Protein Gen Repertuarı ve Linalool Eklenmiş Yüksek Yağlı Diyetlerin Büyüme Yağ Asidi Kompozisyonu ve fabp Gen Ekspresyonlarına Etkileri, Project Supported by Higher Education Institutions
2021 - 2023	Resirküle Su Ürünleri Yetiştiricilik Sistemlerinin Nesnelerin İnterneti Kapsamında Dijitalleştirilmesi, Project Supported by Higher Education Institutions

2022 - 2022	Resirküle Sistemlerde Zebra Balığı Danio rerio ve Gökkuşuğu Alabalığı Oncorhynchus mykiss Yetiştiriciliği-II, Project Supported by Higher Education Institutions
2021 - 2022	21 Ulusal Su Ürünleri Sempozyumu, Project Supported by Higher Education Institutions
2021 - 2022	Su Ürünleri Fakültesi Resirküle Yetiştiricilik Sistemlerinin Modernizasyonu, Project Supported by Higher Education Institutions
2021 - 2022	Resirküle Sistemlerde Zebra Balığı (Danio rerio) ve Gökkuşuğu Alabalığı (Oncorhynchus mykiss) Yetiştiriciliği, Project Supported by Higher Education Institutions
2020 - 2022	Avrupa Levreği Dicentrarchus labrax'nda Yağ Asidi Bağlayıcı Protein 1 ve 6 fabp1 ve fabp6 Genlerinin Klonlanması Moleküler Karakterizasyonu ve Diyetteki Bitkisel Yağ Kaynaklarının fabp1 ve fabp6 mRNA Ekspresyonuna Etkileri, Project Supported by Higher Education Institutions
2019 - 2020	Su Ürünleri Fakültesi Araştırma Altyapısının Geliştirilmesi, Project Supported by Higher Education Institutions
2013 - 2014	PLATİ BALIĞI (XIPHOPHORUS MACULATUS)'NDA KARNİTİN PALMİTOLTRANSFEROZLARIN (CPT-1 VE CPT-2) DOKU SPESİFİK DAĞILIMLARI, Project Supported by Higher Education Institutions
2013 - 2014	6UZUN SÜRELİ AÇLIĞIN ZEBRA BALIĞI (DANIO RERIO)'NDA YAĞ ASİDİ METABOLİZMASINA (DESATURASYON, ELONGASYON, β OKSİDASYON VE TAŞINMA) MOLEKÜLER ETKİLERİ, Project Supported by Higher Education Institutions
2012 - 2013	7YAVRU AĞIRLIĞINDAN SOFRALIK AĞIRLIĞA ULAŞINCAYA KADAR DİYETLERİNE BERGAMOT YAĞI (CİTRUS BERGAMIA) İLAVESİNİN GÖKKUŞAĞI ALABALIKLARINDA (ONCORHYNCHUS MYKISS) YAĞ ASİDİ VE AMİNOASİT KOMPOZİSYONU ÜZERİNE ETKİLERİ, Project Supported by Higher Education Institutions
2011 - 2012	KRONİK STRES FAKTÖRLERİNİN GÖKKUŞAĞI ALABALIĞINDA (ONCORHYNCHUS MYKISS) YAĞ ASİDİ VE AMİNOASİT KOMPOZİSYONU VE ANTİOKSİDAN SAVUNMA SİSTEMİNE ETKİLERİ, Project Supported by Higher Education Institutions

Activities in Scientific Journals

2020 - Continues Alabalık Dergisi, Committee Member

Peer Reviews in Scientific Publications

March 2018 Chemosphere, SCI Journal

Metrics

Publication: 54
Citation (WoS): 394
Citation (Scopus): 469
H-Index (WoS): 9
H-Index (Scopus): 10

Congress and Symposium Activities

2016 Genomic Organization and Phylogeny of Elovl5 Gene in Platyfish, Xiphophorus aculatus, Attendee, İzmir, Turkey

2015 Bioinformatics and Tissue-Specific Distribution of Carnitine Palmitoyltransferase II Gene in Nile Tilapia, Oreochromis niloticus, Attendee, Rotterdam, Netherlands

2015	Effects of High Stocking Density on Liver and Muscle Mineral Content in Rainbow Trout (<i>Oncorhynchus mykiss</i>), Attendee, Rotterdam, Netherlands
2012	Changes in Antioxidant Enzymes of Brown Trout (<i>Salmo trutta</i>) Fed Diets with Different Lipid Sources, Attendee, Praha, Czech Republic
2011	Effects of Different Dietary Lipid Sources on the Survival, Growth Performance and Fatty Acid Profiles of Rainbow Trout Juveniles, <i>Oncorhynchus mykiss</i> , Attendee, Rodos, Greece
2011	Influence of Dietary Lipids on the Activity of Some Metabolic Enzymes in Brown Trout (<i>Salmo trutta</i>), Attendee, Natal, Brazil
2010	The Influence of Varying Dietary Lipid Resources on Growth, Survival and Fatty Acid Composition of Brown Trout, <i>Salmo trutta</i> , Attendee, Qianguo, China

Scholarships

2010 - Continues	Araştırma Bursu, Official Institutions of Foreign Countries
2006 - Continues	Doktora Sonrası Araştırma Bursu, Official Institutions of Foreign Countries