

Prof. Murat ARSLAN

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 44033

Education Information

Post Doctorate, Ohio State University, School Of Natural Resources, Aquaculture, United States Of America 2004 - 2007

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Su Ürünleri Mühendisliği, Turkey 1998 - 2003

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Su Ürünleri Mühendisliği, Turkey 1995 - 1998

Undergraduate, Ataturk University, Ziraat Fakültesi, Su Ürünleri Bölümü, Turkey 1991 - 1995

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Other, Fish nutrition: sustainability and product quality, Mediterranean Agronomic Institute of Zaragoza, 2008

Research Areas

Agricultural Sciences, Seafood, Aquaculture

Academic Titles / Tasks

Professor, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2014 - Continues

Associate Professor, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2012 - 2014

Associate Professor, Ohio State University, School of Environment and Natural Resources, Aquaculture, 2010 - 2011

Assistant Professor, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Su Ürünleri, 2003 - 2009

Assistant Professor, Ohio State University, School of Environment and Natural Resources, Aquaculture, 2004 - 2007

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2016 - Continues

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2016 - Continues

Atatürk Üniversitesi, Su Ürünleri Fakültesi, 2012 - Continues
Coordinator of The Rectorate, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2019 - 2024
Head of Department, Ataturk University, Su Ürünleri Fakültesi, 2018 - 2021
Member of the Senate, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2016 - 2020
University Executive Board Member, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2016 - 2020
Dean, Ataturk University, Su Ürünleri Fakültesi, 2016 - 2020
Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Ataturk University, Su Ürünleri Fakültesi, Su Ürünleri Yetiştiriciliği, 2016 - 2019
Atatürk Üniversitesi, İspir H. Polat Myo, 2009 - 2012

Courses

Doctorate

İleri Balık Besleme, Doctorate, 2023 - 2024
İLERİ BALIK BESLEME, Doctorate, 2020 - 2021

Postgraduate

Balık Beslemede yağların Kullanımı, Postgraduate, 2022 - 2023
SCIENCE, EDUCATION ETHICS, Postgraduate, 2022 - 2023
Balık Beslemede Yağların Kullanımı, Postgraduate, 2022 - 2023
USE OF OILS AND FATS IN FISH NUTRITION, Postgraduate, 2019 - 2020
Advances in Fish Nutrition, Postgraduate, 2020 - 2021

Undergraduate

İçsu Balıkları Yetiştiriciliği, Undergraduate, 2023 - 2024
Mesleki İngilizce-I, Undergraduate, 2023 - 2024
Deniz Balıkları Yetiştiriciliği, Undergraduate, 2021 - 2022
Balık Besleme, Undergraduate, 2021 - 2022
Mesleki İngilizce-IV, Undergraduate, 2019 - 2020
Mesleki İngilizce-II, Undergraduate, 2019 - 2020
BİYOİSTATİSTİK, Undergraduate, 2019 - 2020
Mesleki İngilizce - III, Undergraduate, 2019 - 2020

Supervised Theses

Arslan M., Farklı Diyetel Kırkbatran (*Echium plantagineum*) Tohumu Yağı/Keten (*Linum usitatissimum*) Tohumu Yağı Oranlarının Gökkuşluğu Alabalığı Yavrularında Büyüme ve Yağ Asidi Metabolizmasına Etkileri, Postgraduate, W.Mohmand(Student), Continues
Arslan M., Diyetel Argan Yağının Gökkuşluğu Alabalığı Yavrularında Büyüme, Yağ Asidi Kompozisyonu ve Antioksidan Savunma Sistemine Etkileri, Postgraduate, C.Said(Student), Continues
Khan N., Arslan M., Replacement potential of fish oil with linseed oil, sunflower oil, and their blend in the diet of *Labeo rohita*, Doctorate, M.Asgar(Student), Continues
Arslan M., Gökkuşluğu Alabalığında (*Oncorhynchus mykiss*) Bazı Biyolojik Parametreler ve Son Ürün Kalitesine Kızamık (*Berberis vulgaris*) Meyve Ekstraktının Etkisi, Doctorate, Ş.TACER(Student), 2023
Arslan M., Khan N., Effect of manipulated diets on the growth, nutrients profile and stress response at different life stages of *Pangasius hypophthalmus*, Doctorate, S.BANO(Student), 2023
Arslan M., Farklı Diyetel Protein ve Yağ Kaynakları ile Yemleme Rejiminin Gökkuşluğu Alabalığında (*Oncorhynchus mykiss*) Büyüme, Protein Metabolizması, Yağ Asidi Profili, Bağırsak Histolojisi ve Kalite Parametrelerine Etkileri, Doctorate, F.KORKMAZ(Student), 2022
Arslan M., Influence of dietary siam weed (*Chromolaena odorata*) leaf extract on growth, body composition and thermal stress resistance in Nile tilapia (*Oreochromis niloticus*), Postgraduate, V.KABIA(Student), 2022

Arslan M., Growth and immune response of Nile tilapia (*Oreochromis niloticus*) to the dietary clove basil (*Ocimum gratissimum*) leaf extract, Postgraduate, M.SESAY(Student), 2022

Arslan M., Bazı Balık Atıklarının Yem Hammadesi Olarak Kullanılabilme Potansiyellerinin Araştırılması, Postgraduate, N.KAŞIKÇI(Student), 2022

Arslan M., Kırankaya Ş. G., İstilacı Gümüşi Havuz Balığının (*Carassius gibelio* Bloch, 1782) Sakarya İlindeki İçsu Balıkçılığına Etkisinin Araştırılması, Doctorate, E.AYDIN(Student), 2021

Arslan M., Yıldız M., Investigation of fatty acid metabolism of juvenile gilthead sea bream (*Sparus aurata*) fed diets containing vegetable oil, Doctorate, S.Ofori(Student), 2019

ARSLAN M., Doğal Sularda Yaşayan (Yağlı Deresi, Çoruh Havzası)Kahverengi Alabalığın (*Salmo trutta*) Kuluçka Şartlarında İkinci Nesil Üretim Denemeleri, Postgraduate, İ.Akgül(Student), 2019

ARSLAN M., Evaluation of growth, body composition and fatty acid profile of genetically male tilapia (GMT) fingerlings fed various dietary oils supplemented diets, Postgraduate, S.Dogar(Student), 2019

Arslan M., Yağlı deresi (Çoruh havzası) kahverengi alabalığının (*Salmo trutta*) kuluçka şartlarında üretilebilme olanaklarının araştırılması, Postgraduate, S.ALAYBAŞI(Student), 2019

ARSLAN M., Okside olmuş balık yağı içeren yemlere fındık yağı ilavesinin gökkuşacağı alabalığı (*Oncorhynchus mykiss*) büyüme, yağ asidi kompozisyonu ve antioksidan savunma sistemine etkisi, Postgraduate, Ş.Tacer(Student), 2018

ARSLAN M., Gökkuşacağı alabalığı (*Oncorhynchus mykiss*) diyetlerinde farklı düzeylerde fındık yağı kullanımının büyüme performansı, yağ asidi kompozisyonu ve E vitamini içeriğine etkisi, Postgraduate, S.Muslu(Student), 2017

ARSLAN M., Erzurum ve Sakarya illerinde faaliyet gösteren çiftliklerde yetiştirilen gökkuşacağı alabalığının omega-3 yağ asidi içeriği bakımından incelenmesi, Postgraduate, H.Bayır(Student), 2016

ARSLAN M., Diludin maddesinin gökkuşacağı alabalığı yavruları üzerinde anne ve diyet kökenli etkisinin araştırılması, Postgraduate, A.Aytaç(Student), 2014

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, University of Veterinary and Animal Sciences, July, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, The Islamia University of Bahawalpur, August, 2021

Associate Professor Exam, Associate Professor Exam, Istanbul University, August, 2021

Associate Professor Exam, Associate Professor Exam, The Islamia University of Bahawalpur, September, 2020

Associate Professor Exam, Doçentlik Sözlü Sınavı, Fırat Üniversitesi, November, 2019

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, March, 2019

Associate Professor Exam, Doçentlik Sözlü Sınavı, Üniversitelerarası Kurul, December, 2018

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, June, 2018

Associate Professor Exam, Doçentlik Sözlü Sınavı, Üniversitelerarası Kurul, October, 2017

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, June, 2016

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, May, 2016

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, December, 2015

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, November, 2015

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, December, 2014

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, October, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- Fish oil replacement with linseed oil affects growth, tissue fatty acid composition, blood chemistry, and antioxidant biomarkers in rohu, <i>Labeo rohita</i>**
Asghar M., Khan N., Fatima M., Tacer-Tanas S., Davies S. J., ul Haque N., Tanveer A., ARSLAN M.
AQUACULTURE INTERNATIONAL, no.3, 2025 (SCI-Expanded)

- II. **An In-Depth Analysis of the Finfish Aquaculture in Türkiye: Current Status, Challenges, and Future Prospects**
Aydin I, ÖZTÜRK R. Ç., EROLDOĞAN O. T., ARSLAN M., TERZİ Y., YILMAZ S., Diken G., Yildirim O., Bodur T, GÜLTEPE N., et al.
REVIEWS IN AQUACULTURE, no.2, 2025 (SCI-Expanded)
- III. **How fillet quality changes in rainbow trout (*Oncorhynchus mykiss*) fed diets supplemented with barberry (*Berberis vulgaris*) fruit extract**
Tacer-Tanas S., Oguzhan-Yildiz P., Arslan M.
Journal of Food Composition and Analysis, vol.137, 2025 (SCI-Expanded)
- IV. **Growth, body composition, lipid profile, and peroxidation, physiological stress, and blood metabolic indicators in *Labeo rohita* fed a fish oil replacement with blended linseed and sunflower oils**
Asghar M., Khan N., Fatima M., Arslan M., Davies S. J., Ul Haque N.
AQUACULTURE INTERNATIONAL, vol.2024, no.1, pp.1-20, 2024 (SCI-Expanded)
- V. **Enhancing farmed striped catfish (*Pangasianodon hypophthalmus*) robustness through dietary β -glucan**
Bano S., Khan N., Fatima M., Khaliq A., Arslan M., Nazir S., Asghar M., Khizar A., Davies S. J., Wan A. H. L.
PLOS ONE, vol.19, no.3, pp.1-18, 2024 (SCI-Expanded)
- VI. **Feasibility of replacing fish oil with sunflower oil on the growth, body composition, fatty acid profile, antioxidant activity, stress response, and blood biomarkers of *Labeo rohita***
Asghar M., Khan N., Fatima M., Arslan M., Davies S. J., Ul Haque N.
PLOS ONE, vol.19, no.3, pp.1-18, 2024 (SCI-Expanded)
- VII. **Mitigating the impact of winter temperatures on striped catfish (*Pangasianodon hypophthalmus*) using functional feed additives**
Bano S., Khan N., Fatima M., Khaliq A., Arslan M., Wan A.
WORLD AQUACULTURE SOCIETY. JOURNAL, vol.55, no.3, pp.1-21, 2023 (SCI-Expanded)
- VIII. **The anxiolytic and circadian regulatory effect of agarwood water extract and its effects on the next generation; zebrafish modelling**
Kankaynar M., Ceyhun H. A., Baran A., Sulukan E., Yıldırım S., Bolat İ., Toraman E., Nadaroğlu H., Arslan M., Ceyhun S. B.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.269, 2023 (SCI-Expanded)
- IX. **Can Dietary Hazelnut Oil Inclusion Alleviate the Negative Effects of Oxidized Fish Oil in Rainbow Trout (*Oncorhynchus mykiss*) Juveniles?**
Tacer-Tanas S., Arslan M.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.23, no.10, pp.1-11, 2023 (SCI-Expanded)
- X. **Fillet Quality in Rainbow Trout (*Oncorhynchus mykiss*) Raised on Different Dietary Oils Over a Long-Term Feeding Trial**
Jaberi R., Tacer-Tanas S., Akgul I., Korkmaz F., Kaban G., Kaya M., Topal A., Ceyhun S. B., Arslan M.
JOURNAL OF AQUATIC FOOD PRODUCT TECHNOLOGY, vol.32, no.10, pp.677-691, 2023 (SCI-Expanded)
- XI. **Impact of Various Dietary Protein Levels on the Growth Performance, Nutrient Profile, and Digestive Enzymes Activities to Provide an Effective Diet for Striped Catfish (*Pangasius hypophthalmus*)**
Bano S., Khan N., Arslan M., Fatima M., Khaliq A., Wan A. H. L.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.23, no.7, pp.1-12, 2023 (SCI-Expanded)
- XII. **Spatial and Seasonal Variations in Condition, Somatic Index and Length-Weight Relationship of *Capoeta banarescui* (Cyprinidae) from The coruh River, Northeastern Anatolia, Turkey**
BEKTAŞ S., ARSLAN M.
JOURNAL OF ICHTHYOLOGY, vol.62, no.5, pp.900-907, 2022 (SCI-Expanded)
- XIII. **Replacement of Fish Oil by ALA-Rich Vegetable Oils in Diets of Gilthead Sea Bream: Effect on Final Eating Quality**
Ofori-Mensah S., YILDIZ M., ARSLAN M., Unal Sengor G. F., Kahraman T., Gelibolu S., Kaplan C.
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, vol.124, no.5, 2022 (SCI-Expanded)

- XIV. **The potential effect mechanism of high-fat and high-carbohydrate diet-induced obesity on anxiety and offspring of zebrafish**
 Turkoglu M., Baran A., Sulukan E., Ghosigharehagaji A., Yildirim S., Ceyhun H. A., Bolat İ., Arslan M., Ceyhun S. B. EATING AND WEIGHT DISORDERS-STUDIES ON ANOREXIA BULIMIA AND OBESITY, vol.27, no.1, pp.163-177, 2022 (SCI-Expanded)
- XV. **Influence of dietary vitamin E (DL-alpha-tocopheryl acetate) and diludine (diethyl 1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate) levels on growth and lipid peroxidation in rainbow trout, *Oncorhynchus mykiss***
 Arslan M., Korkmaz F., Tacer-Tanas S., Yanik T., Erat M., Slukvin A., Goncharova R. JOURNAL OF APPLIED ICHTHYOLOGY, vol.37, no.6, pp.942-949, 2021 (SCI-Expanded)
- XVI. **Effects of different dietary lipid resources on sperm quality and reproductive success in rainbow trout (*Oncorhynchus mykiss*)**
 YILDIZ M., Ofori-Mensah S., ARSLAN M., YAMANER G., EKİCİ A., BALTACI M. A., KORKMAZ F., Tacer-Tanas S. AQUACULTURE RESEARCH, vol.52, no.8, pp.3804-3814, 2021 (SCI-Expanded)
- XVII. **Long-term dietary diludine (diethyl 1,4-dihydro-2,6-dimethyl-3,5-pyridi-nedicarboxylate) intake and gamete storage affect alpha-tocopherol status and reproductive performance in female rainbow trout, *Oncorhynchus mykiss***
 Arslan M., Gulen S., Tacer-Tanas S., Yanik T., Gurdal A., Kocaman M., Atasever A., Slukvin A., Goncharova R. AQUACULTURE, vol.533, 2021 (SCI-Expanded)
- XVIII. **Fish oil replacement with different vegetable oils in gilthead seabream, *Sparus aurata* diets: Effects on fatty acid metabolism based on whole-body fatty acid balance method and genes expression**
 Ofori-Mensah S., YILDIZ M., ARSLAN M., ELDEM V. AQUACULTURE, vol.529, 2020 (SCI-Expanded)
- XIX. **Substitution of fish oil with camelina or chia oils in gilthead sea bream (*Sparus aurata*, L.) diets: Effect on growth performance, fatty acid composition, haematology and gene expression**
 Ofori-Mensah S., Yıldız M., Arslan M., Eldem V., Gelibolu S. AQUACULTURE NUTRITION, vol.26, no.6, pp.1943-1957, 2020 (SCI-Expanded)
- XX. **Effects of different dietary oils on egg quality and reproductive performance in rainbow trout *Oncorhynchus mykiss***
 Yıldız M., Ofori-Mensah S., Arslan M., Ekici A., Yamaner G., Baltacı M. A., Tacer Ş., Korkmaz F. ANIMAL REPRODUCTION SCIENCE, vol.221, 2020 (SCI-Expanded)
- XXI. **Physiological changes and reproductive performance of Sterlet sturgeon *Acipenser ruthenus* injected with thiamine**
 Ghiasi S., Falahatkar B., Arslan M., Dabrowski K. ANIMAL REPRODUCTION SCIENCE, vol.178, pp.27-34, 2017 (SCI-Expanded)
- XXII. **Changes in Lipids, Fatty Acids, Lipid Peroxidation and Antioxidant Defence System During the Early Development of Wild Brown Trout (*Salmo trutta*)**
 ARSLAN M., ALAYBASI S., ALTUN E., GULEN S., SİRKECİOĞLU A. N., ATASEVER A., HALİLOĞLU H. İ., ARAS M. TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.16, no.3, pp.703-714, 2016 (SCI-Expanded)
- XXIII. **Effect of thiamine injection on growth performance, hematology and germinal vesicle migration in sterlet sturgeon *Acipenser ruthenus* L.**
 GHİASİ S., FALAHATKAR B., Dabrowski K., ABASALIZADEH A., ARSLAN M. AQUACULTURE INTERNATIONAL, vol.22, no.5, pp.1563-1576, 2014 (SCI-Expanded)
- XXIV. **Influence of Different Dietary Lipids on the Activity of Metabolic Enzymes in Brown Trout (*Salmo trutta*)**
 ATASEVER A., ARSLAN M., Sirkecioglu N., BAYIR A., Ekinci D., Senturk M. TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.1, pp.31-36, 2014 (SCI-Expanded)
- XXV. **Partial Replacement of Fish Oil with Vegetable Oils in Diets for European Seabass *Dicentrarchus labrax* Effects On Growth Performance and Fatty Acids Profile**
 ÖZŞAHİNOĞLU İ., EROLDOĞAN O. T., MUMOGULLARINDA P., DİKEL S., ENGİN K., YILMAZ H. A., ARSLAN M., SİRKECİOĞLU A. N.

- Turkish Journal Of Fisheries And Aquatic Sciences, vol.13, pp.819-825, 2013 (SCI-Expanded)
- XXVI. **Fatty acid metabolism in European sea bass (*Dicentrarchus labrax*): effects of n-6 PUFA and MUFA in fish oil replaced diets**
EROLDOĞAN O. T., YILMAZ H. A., TURCHİNİ G., ARSLAN M., SİRKECİOĞLU A. N., ENGİN K., ÖZŞAHİNOĞLU I., MUMOGULLARINDA P.
FISH PHYSIOLOGY AND BIOCHEMISTRY, vol.39, no.4, pp.941-955, 2013 (SCI-Expanded)
- XXVII. **Growth, body chemical composition and trypsin activity of South American catfish, surubim (*Pseudoplatystoma* sp.) juveniles fed different dietary protein and lipid levels**
Arslan M., Dabrowski K., Ferrer S., Dietrich M., Rodriguez G.
AQUACULTURE RESEARCH, vol.44, pp.760-771, 2013 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **Quantifying quality attributes of walleye eggs prior to fertilization-Impact of time of ovulation and gametes storage**
Dietrich M. A., Dabrowski K., Arslan M., Ware K., Van Tassell J.
JOURNAL OF GREAT LAKES RESEARCH, vol.38, no.3, pp.445-450, 2012 (SCI-Expanded)
- XXX. **The effects of dietary turnip (*Brassica rapa*) and biofuel algae on growth and chemical composition in rainbow trout (*Oncorhynchus mykiss*) juveniles Diyetlere ilave edilen şalgam (*Brassica rapa*) ve yosun ununun gökkuşağı{dotless} alabali{dotless}ği{dotless} (*Oncorhynchus mykiss*) yavrulari{dotless}ni{dotless}n büyüme ve kimyasal kompozisyonlari{dotless}na etkileri**
Haliloğlu H. I., Arslan M., Lee B., Dabrowski K.
Turkish Journal of Fisheries and Aquatic Sciences, vol.12, pp.18, 2012 (SCI-Expanded)
- XXXI. **Effects of diludine supplementation on growth performance, liver antioxidant enzyme activities and muscular trace elements of rainbow trout (*Oncorhynchus mykiss*) juveniles at a low water temperature**
HISAR O., YANIK T., Kocaman E. M., ARSLAN M., Slukvin A., GONCHAROVA R.
AQUACULTURE NUTRITION, vol.18, no.2, pp.211-219, 2012 (SCI-Expanded)
- XXXII. **Ascorbic acid turnover in rainbow trout, *Oncorhynchus mykiss*: Is there a vitamin enrichment effect during embryonic period on the juvenile fish "sensitivity" to deficiency?**
Falihatkar B., Dabrowski K., Arslan M.
AQUACULTURE, vol.320, pp.99-105, 2011 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **Seasonal and spatial variability of condition and length-weight relationship of european chub (*Leuciscus cephalus*) inhabited in Upper Çoruh River (Turkey)**
BEKTAŞ S., Yildirim A., ARSLAN M.
Cybium, vol.33, no.1, pp.3-10, 2009 (SCI-Expanded)
- XXXV. **Growth, fat content and fatty acid profile of South American catfish, surubim (*Pseudoplatystoma fasciatum*) juveniles fed live, commercial and formulated diets**
Arslan M., Dabrowski K., Portella M. C.
JOURNAL OF APPLIED ICHTHYOLOGY, vol.25, no.1, pp.73-78, 2009 (SCI-Expanded)
- XXXVI. **Spatial and temporal changes in length-weight relationships of *Barbus escherichii* (Steindachner, 1897) from the upper Çoruh River Basin, Turkey**
Bektas S., Arslan M., Yildirim A.
Journal of Applied Ichthyology, vol.24, no.6, pp.713-714, 2008 (SCI-Expanded)
- XXXVII. **Patterns of fish communities along a mountain river: The upper coruh river (Turkey)**
Yildirim A., ARSLAN M., PEGG M. A.

- Polish Journal of Ecology, vol.56, no.4, pp.731-736, 2008 (SCI-Expanded)
- XXXVIII. **Length-weight relationship and seasonal condition in *Capoeta sieboldii* in the upper Coruh River, Turkey**
YILDIRIM A. S., ARSLAN M., BEKTAŞ S.
JOURNAL OF APPLIED ICHTHYOLOGY, vol.24, no.6, pp.711-712, 2008 (SCI-Expanded)
- XXXIX. **Growth, maturation, induced spawning, and production of the first generation of South American Catfish, *Pseudoplatystoma* sp., in North America**
Dabrowski K., Arslan M., Rinchar J., Esther Palacios M.
JOURNAL OF THE WORLD AQUACULTURE SOCIETY, vol.39, pp.174-183, 2008 (SCI-Expanded)
- XL. **Effects of different dietary lipid sources on the survival, growth, and fatty acid composition of South American catfish, *Pseudoplatystoma fasciatum*, Surubim, juveniles**
Arslan M., Rinchar J., Dabrowski K., PORTELLA M. C.
JOURNAL OF THE WORLD AQUACULTURE SOCIETY, vol.39, no.1, pp.51-61, 2008 (SCI-Expanded)
- XLI. **Indispensable amino acid deprivation does not cause rapid amino acid depletion in fish body and this principle has a potential to be used as the new strategy in nutrition**
Dabrowski K., Zhang Y., Arslan M., Terjesen B. F.
REVISTA COLOMBIANA DE CIENCIAS PECUARIAS, vol.20, no.4, pp.508-511, 2007 (SCI-Expanded)
- XLII. **Seasonal changes in condition and gonadal maturation of brown trout (*Salmo trutta*) in a Turkish stream**
Arslan M., Yildirim A.
JOURNAL OF FRESHWATER ECOLOGY, vol.22, no.3, pp.529-531, 2007 (SCI-Expanded)
- XLIII. **The effect of dietary indispensable amino acid imbalances on feed intake: Is there a sensing of deficiency and neural signaling present in fish?**
Dabrowski K., Arslan M., Terjesen B. F., Zhang Y.
AQUACULTURE, vol.268, pp.136-142, 2007 (SCI-Expanded)
- XLIV. **Age and growth properties of brown trout *Salmo trutta* L living in KanStream upper Coruh River Turkey**
YILDIRIM A., ARSLAN M.
Animal Biology, vol.57, pp.281-291, 2007 (SCI-Expanded)
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FALAHATKAR B., DABROWSKI K., Arslan M., RINCHARD J.
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- XLVI. **Spatial and seasonal variations in condition of barbus plebejus escherichi in the upper Çoruh river, Turkey**
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- I. **Fatty Acid Content of Farmed Rainbow Trout: How Much Should We Consume for Enough EPA and DHA?**
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- II. **Structure and reproduction characteristics of two brown trout *Salmo trutta* L populations in the Çoruh River Basin North eastern Anatolia Turkey**
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- III. **Growth and mortality of the brown trout *Salmo trutta* L population from upper Aksu Stream Northeastern Anatolia Turkey**

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Books

I. **Lipids in Aquaculture**

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in: Present-Day Turkish Aquaculture and Trends in International Research, Mustafa Yıldız, Süheyla Karataş, Editor, Istanbul University Press, İstanbul, pp.215-227, 2024

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Papers Published in Refereed Scientific Meetings

I. **Beş Büyükbaş Hayvan Atığı Kapasiteli Bir Biyogaz Tesisinin Enerji Maliyet Analizi**

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II. **COMPARISON OF LENGTH-WEIGHT RELATIONSHIP AND FULTON'S CONDITION FACTOR OF GIBEL CARP FROM THREE LAKES IN SAKARYA (TURKEY)**

KIRANKAYA Ş. G., GENÇOĞLU L., Aydın E., ARSLAN M.

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IV. **The effects of dietary lipid sources on the egg quality and reproductive performance in rainbow trout (*Oncorhynchus mykiss*)**

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V. **A PRELIMINARY STUDY ON OPTIMIZATION OF DIETARY DUCK WEED MEAL IN RAINBOW TROUT JUVENILES**

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VI. **INFLUENCES OF DIETARY HAZELNUT OIL SUPPLEMENTATION WITH OXIDIZED AND FRESH FISH OIL ON GROWTH PERFORMANCE, FATTY ACID COMPOSITION AND ANTIOXIDANT DEFENSE SYSTEM IN RAINBOW TROUT**

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- VII. **EPA DHA CONTENT OF DIFFERENT TISSUES IN RAINBOW TROUT FED DIETS WITH VARIOUS LIPID SOURCES**
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- VIII. **The state of Turkish Aquaculture**
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- IX. **Okside olmuş diyetsel yağların balıklara etkileri**
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IV. Balık Besleme ve Yem Teknolojisi Çalıştayı, Turkey, 1 - 02 September 2016
- X. **Omega 3 contents of rainbow trout fillet How much should we consume for enough EPA and DHA**
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- XI. **Changes in lipids and fatty acids in European chub *Leiciscus cephalus* living in different environmental conditions**
ATASEVER A., ARSLAN M., BEKTAŞ S.
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- XII. **Changes in lipids and fatty acids in European chub *Leiciscus cephalus* living in different environmental conditions**
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- XIII. **Antioxidant defence in the early life phase of brown trout *Salmo trutta***
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- XIV. **Gökkuşluğu Alabalığında Yumurtaların Döllenme Öncesinde Bekletilmesi Ve Üreme Başarısı Diyetsel Diludine Maddesinin Muhtemel Koruyucu Etkisi**
ARSLAN M., YANIK T., KOCAMAN E. M., Gülen S., Kaçar S., Gürdal A. A., Şensurat Y. D. D. T., Slukvin A., Goncharova R., ATASEVER A., et al.
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- XV. **Gökkuşluğu Alabalığında Yumurtaların Döllenme Öncesinde Bekletilmesi Ve Üreme Başarısı Diyetsel Diludine Maddesinin Muhtemel Koruyucu Etkisi**
ARSLAN M., YANIK T., KOCAMAN E. M., Gülen S., Kaçar S., Gürdal A. A., Şensurat Y. D. D. T., Slukvin A., Goncharova R., ATASEVER A., et al.
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- XVII. **Growth Properties of Brown trout (*Salmo trutta* L.) Living in Different Streams , Upper Coruh River (Turkey)**
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- XIX. **Çoruh Nehri Su Kalitesinin Bazı Parametreler Yönünden İncelenmesi**
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- XXI. **Effect of dietary diludine supplementation on growth and fatty acid composition of rainbow trout *oncorhynchus mykiss* juveniles**
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- XXII. **Hypoxia and temperature alter lipid and fatty acid accumulation in hybrid striped bass**
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- XXVII. **Effect of macronutrient composition, protein-lipid levels, in semi purified diets of surubim *Pseudoplatystoma* sp. on growth performance, nutrient utilization and activity of proteolytic enzymes**
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- XXVIII. **Indispensible amino acid deprivation does not cause rapid amino acid depletion in fish body**
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BEKTAŞ S., YILDIRIM A., ARSLAN M.
VI. Ulusal Ekoloji ve Çevre Kongresi, Diyarbakır, Turkey, 18 September 2006, pp.249-255
- XXX. **South American catfish *Pseudoplatystoma* sp. rearing on diets with different fatty acid profiles**
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- XXXIII. **Farklı habitatlarda yaşayan Alabalıkların (*Salmo trutta labrax*, Pallas, 1811) boy kompozisyonlarının karşılaştırılması**
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XI. Su Ürünleri Sempozyumu, Hatay, Turkey, 04 September 2001, vol.1, pp.443-448
- XXXIV. **Çoruh Havzası su potansiyeli, balık faunası ve değerlendirilebilme imkanları**

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- ARSLAN M., TACER TANAS Ş., Project Supported by Higher Education Institutions, Gökkuşuğu Alabalığında Oncorhynchus mykiss Bazı Biyolojik Parametreler ve Son Ürün Kalitesine Kızamık Berberis vulgaris Meyve Ekstraktının Etkisi, 2021 - 2023
- ARSLAN M., KORKMAZ F., Project Supported by Higher Education Institutions, Diyetel Protein Kaynağı ve Yemleme Rejiminin Gökkuşuğu Alabalığında (Oncorhynchus mykiss Walbaum 1792) Büyüme, Protein Metabolizması, Bağır sak Histolojisi ve Kalite Parametreleri Üzerindeki Etkileri, 2019 - 2022
- Kırankaya Ş. G., Arslan M., Gençoğlu L., Aydın E., TUBITAK Project, İstılacı Gümüşi Havuz Balığı, Carassius gibelio (Bloch, 1782)'nun Sakarya İlindeki İç Su Balıkçılığına Etkisinin Belirlenmesi, 2019 - 2020
- ARSLAN M., FAKIOĞLU Ö., UÇAR A., ARSLAN H., BAYIR A., KORKMAZ F., YANIK T., ATAMANALP M., CEYHUN S. B., ALAK G., et al., Project Supported by Higher Education Institutions, Su Ürünleri Fakültesi Araştırma Altyapısının Geliştirilmesi, 2019 - 2020
- ARSLAN M., YANIK T., ERAT M., Project Supported by Higher Education Institutions, DİYETSEL E VİTAMİNİ VE DİLUDİNE MADDESİNİN GÖKKUŞAĞI ALABALIĞINDA BÜYÜME, LİPİT METABOLİZMASI VE ANTİOKSİDAN SAVUNMA SİSTEMİNE SİNERJİK ETKİLERİ, 2016 - 2018
- ARSLAN M., Project Supported by Higher Education Institutions, OKSİTLENMİŞ DİYETSEL YAĞ VE FINDIK YAĞI TAKVİYESİNİN GÖKKUŞAĞI ALABALIĞINDA BÜYÜME, LİPİT METABOLİZMASI VE ANTİOKSİDAN SAVUNMA SİSTEMİNE ETKİLERİ, 2015 - 2017
- Kaya M., Arslan M., Topal A., Kaban G., TUBITAK Project, Farklı Yağ Kaynakları ile Beslenen Gökkuşuğu Alabalığında Kırmızı ve Beyaz Kastaki Yağ Asidi Kompozisyonu ve Yağ Asidi Dönüşüm Mekanizmaları ile Et Kalitesindeki Değişimlerin Araştırılması, 2014 - 2017
- ARSLAN M., FAKIOĞLU Ö., Project Supported by Higher Education Institutions, YEMLERE FARKLI ORANLARDAN KATILAN SU MERCİMEĞİNİN (LEMNA MİNOR) GÖKKUŞAĞI ALABALIĞINDA BÜYÜME, YAĞ ASİDİ KOMPOZİSYONU, BÜYÜME İLE İLGİLİ GENLERİ (GH, IGF) EKSPRESYONU VE ANTİOKSİDAN ENZİM AKTİVİTESİ ÜZERİNE ETKİSİ, 2014 - 2015
- ARSLAN M., Project Supported by Higher Education Institutions, DİYETSEL ZEOLİTİN GÖKKUŞAĞI ALABALIĞI YAVRULARINDA BÜYÜME, YAĞ ASİDİ KOMPOZİSYONU, BÜYÜME İLE İLGİLİ GENLERİ (GH, IGF) EKSPRESYONU VE ANTİOKSİDAN ENZİM AKTİVİTESİ ÜZERİNE ETKİSİ, 2014 - 2015
- KOCAMAN E. M., ARSLAN M., TUBITAK Project, Diyetel Diludine Maddesinin Gökkuşuğu Alabalıklarında (Oncorhynchus mykiss) Üremeye Etkisi, 2012 - 2015
- ARSLAN M., Project Supported by Higher Education Institutions, ÇORUH HAVZASI KAHVERENGİ ALABALIK (SALMO TRUTTA) DAMIZLIKLARINDA SPERM KALİTESİNİN ÜREME BAŞARISINA ETKİSİ, 2012 - 2013
- ARSLAN M., TUBITAK Project, Çoruh Havzası Alabalıklarında (Salmo trutta) Ebeveyn Özelliklerinin Yumurta ve Erken Yavru Dönemindeki Balıkları Nasıl Etkilediğinin Araştırılması, 2011 - 2013
- ARSLAN M., Project Supported by Higher Education Institutions, SU KİRLİLİĞİNE BAĞLI OLARAK YUKARI ÇORUH HAVZASI'NDA YAŞAYAN BAZI BALIK TÜRLERİNİN (LEİCİSCUS CEPHALUS VE CAPOETA TINCA) LİPİT VE YAĞ ASİTLERİ İÇERİKLERİ İLE LİPİT PEROKSİDASYON SEVİYELERİ VE ANTİOKSİDAN ENZİM AKTİVİTELERİNİN BELİRLENMESİ, 2011 - 2012
- ARSLAN M., TUBITAK Project, Teknoloji Kullanarak Düşük Sıcaklıkta Kültürü Yapılan Gökkuşuğu Alabalıklarının Diludin İlavesiyle Verimliliklerinin Artırılması, 2010 - 2012
- ARSLAN M., Project Supported by Higher Education Institutions, GÖKKUŞAĞI ALBALIĞI DİYETLERİNDE BALIK YAĞI YERİNE FARKLI DÜZEYLERDE FINDIK YAĞI KULLANIMININ BÜYÜME PERFORMANSI, YAĞ ASİDİ KOMPOZİSYONU VE E VİTAMİNİ İÇERİĞİNE ETKİSİ, 2010 - 2011
- ARSLAN M., Other International Funding Programs, Broodstock development and larval feeding of Amazonian fishes.,

2005 - 2006

ARSLAN M., Other International Funding Programs, Quantifying how parental attributes influence characteristics of early life history stages of Ohio stocks of Lake Erie walleye (*Stizostedion*), 2003 - 2006

Activities in Scientific Journals

Aquatic Animal Reports, Committee Member, 2021 - Continues

The Trout Journal of Atatürk University, Committee Member, 2020 - Continues

Aquaculture Studies, Committee Member, 2018 - Continues

Memberships / Tasks in Scientific Organizations

World Aquaculture Society, Member, 2005 - Continues

Peer Reviews in Scientific Publications

AQUACULTURE NUTRITION, SCI Journal, March 2025

WATER (SWITZERLAND), SCI Journal, March 2025

AQUACULTURE RESEARCH, SCI Journal, March 2025

AQUACULTURE INTERNATIONAL, SCI Journal, January 2025

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AQUACULTURE NUTRITION, SCI Journal, October 2021
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, SCI Journal, August 2021
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AQUACULTURE NUTRITION, SCI Journal, April 2021
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FOLIA ZOOLOGICA, SCI Journal, February 2019
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PLOS ONE, SCI Journal, January 2018
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EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, SCI Journal, June 2016
AQUACULTURE RESEARCH, SCI Journal, February 2016
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, SCI Journal, December 2015
AQUACULTURE RESEARCH, SCI Journal, June 2015
NORTH AMERICAN JOURNAL OF AQUACULTURE, SCI Journal, November 2014
NORTH AMERICAN JOURNAL OF AQUACULTURE, SCI Journal, August 2014
AQUACULTURE RESEARCH, SCI Journal, November 2013

Scientific Project Refereeing

TUBITAK Project, 3501 - National Young Researcher Career Development Program, August 2021
TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, December 2020
TUBITAK Project, 1002 - Quick Support Program, October 2020

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, October 2020

TUBITAK Project, 3501 - National Young Researcher Career Development Program, September 2020

Tasks In Event Organizations

Uçar A., Arslan M., TOPAL A., V. Balık Besleme ve Yem Teknolojisi Çalıştayı, Workshop Organization, Erzurum, Turkey, Eylül 2018

Metrics

Publication: 90

Citation (WoS): 300

Citation (Scopus): 238

H-Index (WoS): 10

H-Index (Scopus): 8

Congress and Symposium Activities

World Aquaculture Society AFRAQ2023, Attendee, Lusaka, Zambia, 2023

Su Ürünleri Yetiştiriciliğinde Barajların Sürdürülebilir Fırsatları, Panelists, Şırnak, Turkey, 2022

Zoological Emerging Scientific Trends (ZEST) - 2022, Invited Speaker, Lahore, Pakistan, 2022

World Fisheries Day - 2021, Invited Speaker, Lahore, Pakistan, 2021

One Day International Seminar on "World Fisheries Day" – Support Sustainable Fishing & Fisheries Conservation, Invited Speaker, Lahore, Pakistan, 2020

International Fisheries and Aquaculture Conference, Session Moderator, Lahore, Pakistan, 2019

International Fisheries and Aquaculture Conference, Attendee, Lahore, Pakistan, 2019

International Fisheries and Aquaculture Conference, Invited Speaker, Lahore, Pakistan, 2019

World Aquaculture Conference, Attendee, Montpellier, France, 2018

World Aquaculture Conference, Session Moderator, Cape-Town, South Africa, 2017

World Aquaculture Conference, Attendee, Cape-Town, South Africa, 2017

6th International Fisheries Symposium and Expo-17, Attendee, Lahore, Pakistan, 2017

6th International Fisheries Symposium and Expo-17, Invited Speaker, Lahore, Pakistan, 2017

World Aquaculture Society - LAQUA 2016, Session Moderator, Lima, Peru, 2016

World Aquaculture Society - LACQUA, Attendee, Lima, Peru, 2016

IV. Balık Besleme ve Yem Teknolojisi Çalıştayı, Invited Speaker, Adana, Turkey, 2016

World Aquaculture Society - Middle East Aquaculture, Attendee, Dubai, United Arab Emirates, 2016

World Aquaculture Society - LACQUA, Attendee, Fortaleza, Brazil, 2015

World Aquaculture Society - LACQUA, Attendee, Guadalajara, Mexico, 2014

16th International Symposium on Fish Nutrition and Feeding (ISFNF XVI), Attendee, Cairns, Australia, 2014

World Aquaculture Society - LACQUA, Attendee, Villavicencio, Colombia, 2013

World Aquaculture Conference, Attendee, Praha, Czech Republic, 2012

World Aquaculture Conference, Attendee, Natal, Brazil, 2011

14th International Symposium on Fish Nutrition & Feeding, Attendee, Qingdao, China, 2010

European Aquaculture Conference, Attendee, İstanbul, Turkey, 2007

Lake Erie Inland Waters Annual Research Review, Attendee, Ohio, United States Of America, 2006

World Aquaculture Conference, Attendee, Florence, Italy, 2006

Larvi 2005, Attendee, Ghent, Belgium, 2005

Scholarships

Grant for advanced course: Fish nutrition - sustainability and product quality, Official Institutions of Foreign Countries, 2009 - 2009

Representation and Promotion Activities

Institutional Representation, University of Education, Pakistan, Lahore, 2022 - 2022