

## Arş. Gör. SERHAT TÜRKMEN

### Kişisel Bilgiler

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### Eğitim Bilgileri

Yüksek Lisans, The International Center For Advanced Mediterranean Agronomic Studies in Zaragoza, Universidad De Las Palmas De Gran Canaria Ciencias Del Mar, Denizel Yetiştiricilik, İspanya 2012 - 2014

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Entitüsü, Su Ürünleri Yetiştiriciliği, Türkiye 2009 - 2012

Lisans, Çukurova Üniversitesi, Su Ürünleri Fakültesi, Türkiye 2004 - 2009

### Yabancı Diller

İspanyolca, B2 Orta Üstü

İngilizce, C1 İleri

### Yaptığı Tezler

Yüksek Lisans, NUTRITIONAL PROGRAMMING OF GILTHEAD SEABREAM (*Sparus aurata*) DURING WEANING FOR BETTER UTILIZATION OF LOW FISH MEAL AND FISH OIL DIETS ALONG ON-GROWING , The International Center For Advanced Mediterranean Agronomic Studies in Zaragoza, Universidad De Las Palmas De Gran Canaria, Ciencias Del Mar, Denizel Yetiştiricilik, 2014

Yüksek Lisans, FARKLI TUZLULUK VE SICAKLIKLARDA YETİŞTİRİLEN GENC? AVRUPA DENİZ LEVREGİ? (*Dicentrachus labrax*) BİREYLERİNDE BU YÜZME PERFORMANSI VE BAZI KRONİK STRES PARAMETRELERİ İLE HİSTOLOJİK DEĞİŞİMLERİN BELİRLENMESİ? , Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Su Ürünleri Yetiştiriciliği, 2012

### Araştırma Alanları

Tarımsal Bilimler, Su Ürünleri, Su Ürünleri Yetiştiriciliği, Yaşam Bilimleri, Moleküler Biyoloji ve Genetik , Genomiks, Temel Bilimler

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2010 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Parental LC-PUFA biosynthesis capacity and nutritional intervention with alpha-linolenic acid affect

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- II. **Influence of Parental Fatty Acid Desaturase 2 (*fads2*) Expression and Diet on Gilthead Seabream (*Sparus aurata*) Offspring *fads2* Expression during Ontogenesis**  
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- III. **Reproductive performance of gilthead seabream (*Sparus aurata*) broodstock showing different expression of fatty acyl desaturase 2 and fed two dietary fatty acid profiles.**  
Ferosekhan S., Xu H., Turkmen S., Gómez A., Afonso J., Fontanillas R., Rosenlund G., Kaushik S., Izquierdo M.  
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- IV. **The Relationship between the Expression of Fatty Acyl Desaturase 2 (*fads2*) Gene in Peripheral Blood Cells (PBCs) and Liver in Gilthead Seabream, *Sparus aurata* Broodstock Fed a Low n-3 LC-PUFA Diet**  
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- V. **Stearoyl-CoA desaturase (*scd1a*) is epigenetically regulated by broodstock nutrition in gilthead sea bream (*Sparus aurata*)**  
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- VI. **Alteration of Growth and Temperature Tolerance of European Sea Bass (*Dicentrarchus labrax* Linnaeus 1758) in Different Temperature and Salinity Combinations**  
YILMAZ H. A., Turkmen S., KURLU M., EROLDUĞAN O. T., PERKER N.  
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- VII. **Effects of Dietary Lipid Composition and Fatty Acid Desaturase 2 Expression in Broodstock Gilthead Sea Bream on Lipid Metabolism-Related Genes and Methylation of the *fads2* Gene Promoter in Their Offspring**  
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INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, cilt.20, sa.24, 2019 (SCI-Expanded)
- VIII. **Nutritional intervention through dietary vegetable proteins and lipids to gilthead sea bream (*Sparus aurata*) broodstock affects the offspring utilization of a low fishmeal/fish oil diet**  
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- IX. **Long-chain PUFA profiles in parental diets induce long-term effects on growth, fatty acid profiles, expression of fatty acid desaturase 2 and selected immune system-related genes in the offspring of gilthead seabream**  
Turkmen S., Hernandez-Cruz C. M., Zamorano M. J., Fernandez-Palacios H., Montero D., Afonso J. M., Izquierdo M.  
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- X. **Dietary krill meal inclusion contributes to better growth performance of gilthead seabream juveniles**  
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- XI. **Parental nutritional programming and a reminder during juvenile stage affect growth, lipid metabolism and utilisation in later developmental stages of a marine teleost, the gilthead sea bream (*Sparus aurata*)**  
Turkmen S., Zamorano M. J., FERNANDEZ-PALACIOS H., HERNANDEZ-CRUZ C. M., Montero D., ROBAINA L., Izquierdo M.  
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- XII. **Nutritional stimuli of gilthead seabream (*Sparus aurata*) larvae by dietary fatty acids: effects on larval performance, gene expression and neurogenesis**  
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- XIV. **Compensatory growth response of European sea bass (*Dicentrarchus labrax* L.) under cycled starvation and restricted feeding rate**  
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- XVIII. **Combined effects of temperature and salinity on critical thermal minima of pacific white shrimp *Litopenaeus vannamei* (Crustacea: Penaeidae)**  
KUMLU M., Kumlu M., TÜRKMEN S.  
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## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Effects of Administration of Vegetable Oil with Varying Feeding Schedules in Finishing Phase on Fatty Acids Composition of European Sea Bass *Dicentrarchus labrax***  
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- II. **EFFECTS OF ADMINISTRATION OF VEGETABLE OIL WITH VARIYING FEEDING SCHEDULES IN FINISHING PHASE ON FATTY ACIDS COMPOSITION OF EUROPEAN SEA BASS, *Dicentrarchus labrax***  
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- III. **The Effects of Short Starvation and Refeeding on Lipid Metabolism in European sea bass (*Dicentrarchus labrax*) at Different Temperatures**  
EROLDOĞAN O. T., ÖÇAL N., YILMAZ H. A., TÜRKMEN S., ÖLÇÜLÜ A.  
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- IV. **THE EFFECTS OF SHORT STARVATION AND REFEEDING ON LIPID METABOLISM IN EUROPEAN SEA BASS *Dicentrarchus labrax* AT DIFFERENT TEMPERATURES**  
EROLDOĞAN O. T., ÖÇAL N. N., YILMAZ H. A., TÜRKMEN S., ÖLÇÜLÜ A.  
AQUACULTURE EUROPE 16, Edinburgh, Birleşik Krallık, 20 - 23 Eylül 2016, ss.90
- V. **Testing long effects of parental nutritional programming and a 'remainder' juvenile programming on lipid metabolism and growth in *Sparus aurata***  
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- VI. **Testing long effects of parental nutritional programming and a ?reminder? juvenile programming on**

## lipid metabolism and growth in Sparus aurata

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## VII. Sparus aurata as a model for nutritional reprogramming of marine fish: Effectiveness of different developmental windows

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## IX. FARKLI TUZLULUK VE SICAKLILARIN AVRUPA DENİZ LEVREĞİ (Dicentrarchus labrax) NDE TERMAL TOLERANS ÜZERİNE ETKİSİ

TÜRKMEN S., YILMAZ H. A., ÖLÇÜLÜ A., KUMLU M., EROLDOĞAN O. T., Öcal N., Dülger N.

XVI. Ulusal Su Ürünleri Sempozyumu, Antalya, Türkiye, 25 - 27 Ekim 2011, ss.1

## X. The determination of the gastric evacuation time of European sea bass (Dicentrarchus labrax ) fed with diets containing different levels of olive pomace oil.

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## XI. Effect of salinity and temperature on thermal tolerance of European Sea Bass (Dicentrarchus labrax) juveniles.

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## XII. Apparent Digestion of Nutrient and Fatty Acid in European Sea Bass (Dicentrarchus labrax) Fed Rapeseed - or Cottonseed Oil- Based Diets

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## Desteklenen Projeler

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## Bilimsel Araştırma / Çalışma Grubu Üyelikleri

Grupo de Investigacion en Acuicultura, The International Center For Advanced Mediterranean Agronomic Studies in Zaragoza, Spain, www.giaqua.org, 2014 - Devam Ediyor

## Metrikler

Yayın: 30

Atf (WoS): 219

Atf (Scopus): 232

H-İndeks (WoS): 8

H-İndeks (Scopus): 8

## **Kongre ve Sempozyum Katılımı Faaliyetleri**

Epigenomic Toolbox: from Methods to Models, Katılımcı, Las Palmas, İspanya, 2014

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XVI. Ulusal Su Ürünleri Sempozyumu, Katılımcı, Antalya, Türkiye, 2011