

# Prof. GÜLÜZAR ATLI DEMİRAY

## Personal Information

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## Education Information

Doctorate, Cukurova University, F.E.F, Biyoloji, Turkey 2002 - 2009

Postgraduate, Cukurova University, F.E.F., Biyoloji, Turkey 1999 - 2002

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji, Turkey 1995 - 1999

## Dissertations

Doctorate, BAKIR, ÇİNKO, KADMİYUM, KROM ve GÜMÜŞÜN *Oreochromis niloticus*'un SOLUNGAÇ ve BÖBREK DOKUSUNDAKİ Na<sup>+</sup> /K<sup>+</sup> -ATPaz, Ca<sup>2+</sup> -ATPaz ve Mg<sup>2+</sup> -ATPaz ile KAS DOKUSUNDAKİ Ca<sup>2+</sup> -ATPaz ENZİM AKTİVİTESİ ÜZERİNE ETKİLERİ, Cukurova University, F.E.F, Biyoloji, 2009

## Research Areas

Life Sciences, Environmental Biology, Ecotoxicology, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Cukurova University, İmamoğlu Myo, Laboratuvar Teknolojisi, 2012 - Continues

Assistant Professor, Hakkari University, Faculty Of Education, Fen Bilgisi Öğretmenliği, 2009 - 2012

Research Assistant, Cukurova University, Fen, Biyoloji, 2000 - 2009

## Academic and Administrative Experience

Cukurova University, 2014 - Continues

## Courses

Genel Biyoloji, Associate Degree, 2016 - 2017

Balıklarda Ağır Metal Toksikitesi, Postgraduate, 2016 - 2017

Biyokimya, Associate Degree, 2016 - 2017

## Advising Theses

- ATLI G., FARKLI Ca<sup>2+</sup> DÜZEYLERİNDEKİ SULARDA Cd<sup>2+</sup> ETKİSİNDE KALAN TATLISU BALIĞI *Oreochromis niloticus*'un DOKULARINDA ATPaz TEPKİLERİNİN BELİRLENMESİ (2. Tez danışmanı), Postgraduate, C.özlem(Student), 2013
- ATLI G., Ca<sup>2+</sup>, Pb<sup>2+</sup> ve Ca<sup>2+</sup>+ Pb<sup>2+</sup> ETKİSİNDE KALAN BALIK (*Oreochromis niloticus*) DOKULARINDA Na<sup>+</sup>/K<sup>+</sup>-ATPaz , Ca<sup>2+</sup>-ATPaz ve Mg<sup>2+</sup>-ATPaz AKTİVİTELERİNİN BELİRLENMESİ (2. Tez danışmanı), Postgraduate, Z.Doğan(Student), 2013
- ATLI G., TATLI SU BALIĞI *Oreochromis niloticus*'un ATPaz AKTİVİTELERİNE METAL (Cr, Pb) ve TUZLULUĞUN ETKİLERİ (2. Tez danışmanı), Postgraduate, E.Baysoy(Student), 2012
- ATLI G., Farklı Sertlik Değerlerindeki Sularda Metal (Cd, Cu) Etkisinde Kalan Tatlı Su Balığı *Oreochromis niloticus*'un Dokularında Na,K-ATPaz Enzim Aktivitesi ve İyon Düzeylerinin Belirlenmesi (2. Tez danışmanı), Postgraduate, D.Sağlam(Student), 2011

## Jury Memberships

Competence In Art, Doktora Yeterlik, Mersin Üniversitesi, February, 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sulfoxaflor, Zn<sup>2+</sup> and their combinations disrupt the antioxidant and osmoregulatory (Ca<sup>2+</sup>-ATPase) system in *Daphnia magna***  
SEVGİLER Y., ATLI DEMİRAY G.  
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.73, 2022 (SCI-Expanded)
- II. **Evaluation of Oxidative Stress Biomarkers in Brain Metastatic and Non-Metastatic Lung Cancer Patients with Different Cell Types**  
Bilgin E., Atli G., Duman B. B., Okten A. I.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.21, no.15, pp.2032-2040, 2021 (SCI-Expanded)
- III. **How metals directly affect the antioxidant status in the liver and kidney of *Oreochromis niloticus*? An in vitro study**  
Atli G.  
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.62, 2020 (SCI-Expanded)
- IV. **Antioxidant system status in threatened native fish *Barbus meridionalis* from the Osor River (Iberian Peninsula): I. Characterization and II. In vitro Zn assays**  
Atli G., Guasch H., Rubio-Gracia F., Zamora L., Vila-Gispert A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.79, 2020 (SCI-Expanded)
- V. **Antioxidant imbalance in the erythrocytes of Myotonic dystrophy Type 1 patients**  
Koc F., Atli G., Menziletoglu Ş. S., Kose S.  
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.680, 2020 (SCI-Expanded)
- VI. **Effects of two different lipid emulsions on antioxidant status, lipid peroxidation and parenteral nutrition- related cholestasis in premature babies, a randomized-controlled study**  
Yıldızdas H., Poyraz B., Atli G., Sertdemir Y., Mert K., Ozlu F., Satar M.  
PEDIATRICS AND NEONATOLOGY, vol.60, pp.359-367, 2019 (SCI-Expanded)
- VII. **The Effect of Waterborne Mercury and Nickel on the ATPases and AChE Activities in the Brain of Freshwater Fish (*Oreochromis niloticus*) Depending on the Ca<sup>2+</sup> Concentrations**  
Atli G.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.19, no.5, pp.363-371, 2019 (SCI-Expanded)
- VIII. **Characterization and response of antioxidant systems in the tissues of the freshwater pond snail (*Lymnaea stagnalis*) during acute copper exposure**  
Atli G., Grosell M.

AQUATIC TOXICOLOGY, vol.176, pp.38-44, 2016 (SCI-Expanded)

- IX. **Response of Antioxidant System of Tilapia (*Oreochromis niloticus*) Following Exposure to Chromium and Copper in Differing Hardness**  
Dogan Z., EROĞLU A., Kanak E. G., Atli G., CANLI M.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.92, no.6, pp.680-686, 2014 (SCI-Expanded)
- X. **Response of the Antioxidant System of Freshwater Fish (*Oreochromis niloticus*) Exposed to Metals (Cd, Cu) in Differing Hardness**  
Saglam D., Atli G., Dogan Z., Baysoy E., Gurler C., EROĞLU A., CANLI M.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.1, pp.43-52, 2014 (SCI-Expanded)
- XI. **Metals (Ag<sup>+</sup>, Cd<sup>2+</sup>, Cr<sup>6+</sup>) Affect ATPase Activity in the Gill, Kidney, and Muscle of Freshwater Fish *Oreochromis niloticus* Following Acute and Chronic Exposures**  
Atli G., Canli M.  
ENVIRONMENTAL TOXICOLOGY, vol.28, no.12, pp.707-717, 2013 (SCI-Expanded)
- XII. **Investigations on the osmoregulation of freshwater fish (*Oreochromis niloticus*) following exposures to metals (Cd, Cu) in differing hardness**  
Saglam D., Atli G., CANLI M.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.92, pp.79-86, 2013 (SCI-Expanded)
- XIII. **Response of ATPases in the osmoregulatory tissues of freshwater fish *Oreochromis niloticus* exposed to copper in increased salinity**  
Kulac B., Atli G., CANLI M.  
FISH PHYSIOLOGY AND BIOCHEMISTRY, vol.39, no.2, pp.391-401, 2013 (SCI-Expanded)
- XIV. **The Effects of Salinity and Salinity plus Metal (Chromium and Lead) Exposure on ATPase Activity in the Gill and Intestine of Tilapia *Oreochromis niloticus***  
Baysoy E., Atli G., CANLI M.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.64, no.2, pp.291-300, 2013 (SCI-Expanded)
- XV. **Investigations on the ATPase Activities and Cadmium Uptake in Freshwater Fish *Oreochromis niloticus* Following Exposures to Cadmium in Increased Salinity**  
Kulac B., Atli G., CANLI M.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.12, no.4, pp.861-869, 2012 (SCI-Expanded)
- XVI. **The effects of increased freshwater salinity in the bioavailability of metals (Cr, Pb) and effects on antioxidant systems of *Oreochromis niloticus***  
Baysoy E., ATLI G., Gurler C. O., Dogan Z., EROĞLU A., Kocalar K., CANLI M.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.84, pp.249-253, 2012 (SCI-Expanded)
- XVII. **Essential metal (Cu, Zn) exposures alter the activity of ATPases in gill, kidney and muscle of tilapia *Oreochromis niloticus***  
Atli G., CANLI M.  
ECOTOXICOLOGY, vol.20, no.8, pp.1861-1869, 2011 (SCI-Expanded)
- XVIII. **Alterations in ion levels of freshwater fish *Oreochromis niloticus* following acute and chronic exposures to five heavy metals**  
Atli G., CANLI M.  
TURKISH JOURNAL OF ZOOLOGY, vol.35, no.5, pp.725-736, 2011 (SCI-Expanded)
- XIX. **Discharge and the response of biofilms to metal exposure in Mediterranean rivers**  
Guasch H., Atli G., Bonet B., Corcoll N., Leira M., Serra A.  
HYDROBIOLOGIA, vol.657, no.1, pp.143-157, 2010 (SCI-Expanded)
- XX. **Response of antioxidant system of freshwater fish *Oreochromis niloticus* to acute and chronic metal (Cd, Cu, Cr, Zn, Fe) exposures**  
Atli G., CANLI M.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.73, no.8, pp.1884-1889, 2010 (SCI-Expanded)
- XXI. **Effects of Metal (Ag, Cd, Cr, Cu, Zn) Exposures on Some Enzymatic and Non-Enzymatic Indicators in**

**the Liver of *Oreochromis niloticus***

Oner M., Atli G., CANLI M.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.82, no.3, pp.317-321, 2009 (SCI-Expanded)

- XXII. **Changes in serum biochemical parameters of freshwater fish *Oreochromis niloticus* following prolonged metal (Ag, Cd, Cr, Cu, Zn) exposures**  
Oener M., Atli G., CANLI M.  
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol.27, no.2, pp.360-366, 2008 (SCI-Expanded)
- XXIII. **Responses of metallothionein and reduced glutathione in a freshwater fish *Oreochromis niloticus* following metal exposures**  
Atli G., CANLI M.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.25, no.1, pp.33-38, 2008 (SCI-Expanded)
- XXIV. **Characterization of branchial Na,K-ATPase from three freshwater fish species (*Oreochromis niloticus*, *Cyprinus carpio*, and *Oncorhynchus mykiss*)**  
Atli G., CANLI M.  
TURKISH JOURNAL OF ZOOLOGY, vol.32, no.3, pp.299-304, 2008 (SCI-Expanded)
- XXV. **Natural occurrence of metallothioneinlike proteins in liver tissues of four fish species from the northeast Mediterranean sea**  
Atli G., Canli M.  
WATER ENVIRONMENT RESEARCH, vol.79, no.9, pp.958-963, 2007 (SCI-Expanded)
- XXVI. **Enzymatic responses to metal exposures in a freshwater fish *Oreochromis niloticus***  
Atli G., Canli M.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.145, no.2, pp.282-287, 2007 (SCI-Expanded)
- XXVII. **The effects of temperature and metal exposures on the profiles of metallothionein-like proteins in *Oreochromis niloticus***  
Baykan U., Atli G., Canli M.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.23, no.1, pp.33-38, 2007 (SCI-Expanded)
- XXVIII. **Response of catalase activity to Ag<sup>+</sup>, Cd<sup>2+</sup>, Cr<sup>6+</sup>, Cu<sup>2+</sup> and Zn<sup>2+</sup> in five tissues of freshwater fish *Oreochromis niloticus***  
Atli G., Alptekin O., Tukul S., Canli M.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.143, no.2, pp.218-224, 2006 (SCI-Expanded)
- XXIX. **Effects of metal (Cd, Cu, Zn) interactions on the profiles of metallothionein-like proteins in the Nile fish *Oreochromis niloticus***  
Eroglu K., Atli G., Canli M.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.75, no.2, pp.390-399, 2005 (SCI-Expanded)
- XXX. **Natural occurrence of metallothionein-like proteins in the liver of fish *Oreochromis niloticus* and effects of cadmium, lead, copper, zinc, and iron exposures on their profiles**  
Atli G., Canli M.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.70, no.3, pp.619-627, 2003 (SCI-Expanded)
- XXXI. **The relationships between heavy metal (Cd, Cr, Cu, Fe, Pb, Zn) levels and the size of six Mediterranean fish species**  
Canli M., Atli G.  
ENVIRONMENTAL POLLUTION, vol.121, no.1, pp.129-136, 2003 (SCI-Expanded)

**Articles Published in Other Journals**

- I. **The effect of obesity on oxidative stress parameters in pregnant women**  
Kocamaz D., Atlı Demiray G., Menziletođlu Yıldız Ő. S., Arlıer S., Gvenç B.  
Interdisciplinary Medical Journal, vol.14, no.48, pp.164-168, 2023 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Oxidative effects of imidacloprid, cadmium and their combination on Daphnia magna**  
ATLI G., SEVGİLER Y.  
4th International Mediterranean Science and Engineering Congress, 25 - 27 April 2019
- II. **In vitro Metal Effects on the Gill Antioxidant System of Nile Tilapia**  
ATLI G.  
4th International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 April 2019
- III. **Amiyotrofik Lateral skleroz tanısı konmuş hastalarda speroksid dismutaz 1 gen polimorfizimin incelenmesi**  
SNMEZ e., Kocamaz d., Atlı G., NYARHARİMANA F., MENZİLETOĐLU YILDIZ Ő. S., KOÇ A. F.  
Zeugma I. Uluslararası multidisiplinle rçalıřmalar kongresi, 13 - 16 September 2018
- IV. **How Mediterranean barbel (Barbus meridionalis) antioxidant system responds to in vitro Zn exposure?**  
ATLI G., Guasch H., Francesc R., Lluís Z.  
International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- V. **Effects of titanium nanoparticles on some blood parameters in female Wistar rat**  
CANLI M., ATLI G., CANLI E. G.  
7th Euro-Global Summit on Toxicology and Applied Pharmacology, Roma, Italy, 24 - 26 October 2016, pp.1
- VI. **Cd, Zn and their combination altered the GST and GSH levels in the liver of freshwater fish Oreochromis niloticus**  
Atlı G., Canlı E. G., Canlı M.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.390
- VII. **Gene expression of MICA and MICB in sepsis patient**  
YILDIZ S. M., ATLI G., GULEC E., GUVENC B., Ozcengiz D.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.79-80
- VIII. **Effects of aluminium copper and titanium nanoparticles on antioxidant system parameters of the erythrocyte in female Wistar rats**  
ATLI G., CANLI E. G., CANLI M.  
17th International Conference on ISANH Antioxidants, Paris, France, 13 - 15 June 2016
- IX. **Farklı Ca 2 Dzeylerinde Bakır Etkisindeki Nile Çuprasının Oreochromis niloticus Kan Antioksidan Enzim SOD CAT GPX Cevabı**  
CANLI M., ATLI G., Canlı E. G.  
Ulusal Zoolojikongresi, Afyon (Trkiye), Turkey, 28 - 31 August 2015
- X. **Changes in the endocrine system and some blood parameters in freshwater fish Oreochromis niloticus exposed to Cd and Pb**  
YZBAŐIOĐLU ARIYREK S., ATLI G., Grler C. ., Dođan Z., Kanak E. G., EROĐLU A., CANLI M.  
International Conference on Environmental Science and Tecnology, 18 - 21 June 2013, vol.40
- XI. **Response of the endocrine system and the other blood parameters in the nile tilapia exposed to cadmium and lead**  
Grler C. ., Dođan Z., EROĐLU A., Kocalar K., Baysoy E., YZBAŐIOĐLU ARIYREK S., ATLI G., CANLI M.  
8. Uluslararası Katılımlı Trk Toksikoloji Derneđi Kongresi, 15 - 18 November 2012, vol.40
- XII. **Response of red blood cell ATPase activity in freshwater fish Oreochromis niloticus exposed to copper in differingCa2 levels**

## Supported Projects

ATLI DEMİRAY G., MENZİLETOĞLU YILDIZ Ş. S., Project Supported by Higher Education Institutions, In vitro metal etkilerinin tatlı su balığı *Oreochromis niloticus*'da özgün antioksidan biyobelirteçler kullanılarak incelenmesi, 2018 - 2021

KOÇ A. F., ATLI G., KOCAMAZ D., GÜVENÇ B., MENZİLETOĞLU YILDIZ Ş. S., Project Supported by Higher Education Institutions, Tip 1 Myotonik Distrofi Hastalarının Periferik Kandaki Antioksidan Dengesizliği, 2018 - 2019

MENZİLETOĞLU YILDIZ Ş. S., ATLI G., GÜVENÇ B., KOÇ A. F., SÖNMEZ E., Project Supported by Higher Education Institutions, Amyotrophik Lateral Sclerosis Hastalarında Süperoksit Dismutaz Enziminin Moleküler Düzeyde İncelenmesi, 2016 - 2019

MENZİLETOĞLU YILDIZ Ş. S., NYIRAHABIMANA F., ATLI G., GÜVENÇ B., GÜLDEREN ÖZLÜ F., Project Supported by Higher Education Institutions, Gestasyon Haftasına Göre Doğum Ağırlıklı Düşük SGA olan Bebeklerde Paraoksanaz1 Geninin Moleküler Yöntemlerle İncelenmesi, 2016 - 2018

MENZİLETOĞLU YILDIZ Ş. S., ATLI G., GÜVENÇ B., Project Supported by Higher Education Institutions, Gene Expression of Mica and MicB in Sepsis Patients, 2016 - 2017

ÇABUK S., ATLI G., KAYDAN B., Project Supported by Higher Education Institutions, Çukurova Üniversitesi İmamoğlu Meslek Yüksekokulu Kimya ve Kimya İşleme Teknolojileri Bölümü Laboratuvar Teknolojisi Programı Alt Yapı Geliştirme Projesi, 2016 - 2017

YAPICIOĞLU YILDIZDAŞ H., ATLI G., POYRAZ B., MERT M. K., CANLI M., AKÇALI M., SATAR M., NARLI N., GÜLDEREN ÖZLÜ F., Project Supported by Higher Education Institutions, İKİ FARKLI LİPİD PREPARATININ PREMATÜRE BEBEKLERİN ANTİOKSİDAN ENZİMLERİ VE LİPİD PEROKSİDASYONU ve MORBİDİTE ÜZERİNE ETKİLERİ, 2015 - 2017

ATLI DEMİRAY G., GROSELL M., Project Supported by Higher Education Institutions, ACUTE COPPER EFFECT ON ANTIOXIDANT SYSTEM RESPONSE OF THE FRESHWATER POND SNAIL *LYMNAEA STAGNALIS* TISSUES, 2016 - 2016

CANLI M., ATLI G., CANLI E. G., Project Supported by Higher Education Institutions, Effects of titanium nanoparticles on some blood parameters in female Wistar rats, 2016 - 2016

CANLI M., ATLI G., CANLI E. G., Project Supported by Higher Education Institutions, Effects of aluminium copper and titanium nanoparticles on antioxidant system parameters of the erythrocyte in female Wistar rats, 2016 - 2016

CANLI M., ATLI G., Canlı E. G., Project Supported by Higher Education Institutions, Farklı kalsiyum düzeyine sahip sularda balık (*Oreochromis niloticus*) ATPaz ve asetilkolin esteraz aktiviteleri üzerine ağır metallerin etkisi, 2014 - 2016

ATLI DEMİRAY G., CANLI M., Project Supported by Higher Education Institutions, Metals (Ag+, Cd2+, Cr6+) Affect ATPase Activity in the Gill, Kidney, and Muscle of Freshwater Fish *Oreochromis niloticus* Following Acute and Chronic Exposures, 2014 - 2016

ATLI DEMİRAY G., Project Supported by Higher Education Institutions, RESPONSE OF RED BLOOD CELL ATPase ACTIVITY IN FRESHWATER FISH *Oreochromis niloticus* EXPOSED TO COPPER IN DIFFERING Ca<sup>2+</sup> LEVELS, 2015 - 2015

ATLI DEMİRAY G., Project Supported by Higher Education Institutions, Farklı Tatlı Su Balıklarının (*Oreochromis niloticus*, *Onchorhynchus mykiss* ve *Clarias Gariepinus*) Karaciğerinde Antioksidan Sistem Karakterizasyonu, 2013 - 2015

ATLI DEMİRAY G., Project Supported by Higher Education Institutions, Characterization of Antioxidant Enzymes (SOD, CAT and GPX) in the Hepatopancreas of Freshwater Snail *Lymnaea stagnalis*, 2014 - 2014

CANLI M., Canlı E. G., Dogan Z., Eroglu A., ATLI G., Project Supported by Higher Education Institutions, Balık (*Oreochromis niloticus*) Antioksidan Sisteminin Bakır ve Krom Etkisine Verdiği Tepkilerde Balık Büyüklüğünün Önemi, 2014 - 2014

ATLI G., Other International Funding Programs, Research on the freshwater snail *Lymnaea stagnalis* to assess oxidative stress during expo, 2012 - 2012

ATLI G., Other International Funding Programs, Use of periphyton as a tool to evaluate the effects of pollution on the structure and function of the fluvial ecosystem: Fluvialphytomarc, 2006 - 2008

## Metrics

Publication: 56

Citation (WoS): 2087

Citation (Scopus): 2314

H-Index (WoS): 21

H-Index (Scopus): 21

## Congress and Symposium Activities

XIV International Congress of Toxicology, Attendee, Mérida, Mexico, 2016

The 2nd Seoul International Conference on Biological Engineering & Natural Science, Attendee, Seoul, South Korea, 2015

International Symposium on Fisheries and Aquatic Sciences, Attendee, Trabzon, Turkey, 2014

The Fourth International Conference on Cofactors (ICC-04), Attendee, Parma, Italy, 2014

The International Conference on Water, Energy and Environment (ICWEE), Attendee, Aydın, Turkey, 2013

49th Congress of the European-Societies-of-Toxicology (EUROTOX), Attendee, Interlaken, Switzerland, 2013

International Conference on Environmental Science and Technology ICOEST?2013, Attendee, Nevşehir, Turkey, 2013

8. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, Attendee, Antalya, Turkey, 2012

Ekoloji Sempozyumu, Attendee, Kilis, Turkey, 2012

23. Ulusal Biyokimya Kongresi, Attendee, Adana, Turkey, 2011

10. Ulusal Ekoloji ve Çevre Kongresi, Attendee, Çanakkale, Turkey, 2011

20. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı), Attendee, Denizli, Turkey, 2010

7. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, Attendee, Ankara, Turkey, 2009

Environmental Stewardship: Integrating Science and Management, SETAC North America 29th Annual Meeting, Attendee, Florida, United States Of America, 2008

19. Ulusal Biyoloji Kongresi, 23-27 Haziran 2008, Attendee, Trabzon, Turkey, 2008

Second Annual YOK-SUNY Collaboration Symposium, Scientific Collaboration for Sustainable Development, Attendee, Adana, Turkey, 2007

18. Ulusal Biyoloji Kongresi, Attendee, Aydın, Turkey, 2006

X. European Ecological Congress, Attendee, Kuşadası, Turkey, 2005

XVII. Ulusal Biyoloji Kongresi, Attendee, Adana, Turkey, 2004

## Non Academic Experience

Çukurova Üniversitesi İmamoğlu MYO

Girona Üniversitesi

Miami Üniversitesi

Hakkari Üniversitesi Eğitim Fakültesi Fen Bilgisi Öğretmenliği

Çukurova Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü

Girona Üniversitesi