

## Assoc. Prof. Feyza İÇOĞLU AKSAKAL

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0176-6695

Yoksis Researcher ID: 110822

### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Tarımsal Biyoteknoloji, Turkey 2013 - 2018

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Tarımsal Biyoteknoloji, Turkey 2011 - 2013

Undergraduate, Ataturk University, Ziraat Fakültesi, Gıda Mühendisliği, Turkey 2005 - 2009

### Foreign Languages

English, B1 Intermediate

### Research Areas

Agricultural Sciences, Agriculture

### Academic Titles / Tasks

Associate Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2021 - Continues

Research Assistant, Ataturk University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2011 - 2020

### Academic and Administrative Experience

Deputy Head of Department, Ataturk University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2022 - Continues

Internship Committee Member, Ataturk University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2021 - Continues

Adaptation/Exemption Committee Member, Ataturk University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2021 - Continues

### Courses

Molecular Methods in Animal Breeding, Postgraduate, 2020 - 2021

Agricultural Biotechnology, Undergraduate, 2020 - 2021

Biotechnology in Animal Breeding, Undergraduate, 2020 - 2021

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

- I. **A comparative study on aquatic toxicity of chemically-synthesized and green synthesis silver nanoparticles on daphnia magna**  
İçoğlu Aksakal F., Yılmaz A., Koç K., Özdemir S.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, vol.32, no.10, pp.2149-2159, 2022 (SCI-Expanded)
- II. **Ameliorative effect of umbelliferone in remote organ injury induced by renal ischemia-reperfusion in rats**  
İçoğlu Aksakal F., Koç K., Geyikoğlu F., Karakaya S.  
JOURNAL OF FOOD BIOCHEMISTRY, vol.45, no.2, 2021 (SCI-Expanded)
- III. **Developmental toxicity induced by Cu(OH)(2)nanopesticide in zebrafish embryos**  
İçoğlu Aksakal F., Şişman T.  
ENVIRONMENTAL TOXICOLOGY, vol.35, no.12, pp.1289-1298, 2020 (SCI-Expanded)
- IV. **Evaluation of boscalid toxicity on Daphnia magna by using antioxidant enzyme activities, the expression of genes related to antioxidant and detoxification systems, and life-history parameters**  
İçoğlu Aksakal F.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.237, 2020 (SCI-Expanded)
- V. **Detoxification and reproductive system-related gene expression following exposure to Cu(OH)(2) nanopesticide in water flea (Daphnia magna Straus 1820)**  
Aksakal F., Arslan H.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.6, pp.6103-6111, 2020 (SCI-Expanded)
- VI. **Impact of copper oxide nanoparticles (CuO NPs) exposure on embryo development and expression of genes related to the innate immune system of zebrafish (Danio rerio)**  
İÇOĞLU AKSAKAL F., ÇILTAŞ A.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.223, pp.78-87, 2019 (SCI-Expanded)
- VII. **A holistic study on potential toxic effects of carboxylated multi-walled carbon nanotubes (MWCNTs-COON) on zebrafish (Danio rerio) embryos/larvae**  
İÇOĞLU AKSAKAL F., ÇILTAŞ A., ŞİMŞEK ÖZEK N.  
CHEMOSPHERE, vol.225, pp.820-828, 2019 (SCI-Expanded)
- VIII. **Acute and chronic effects of thifluzamide on Daphnia magna**  
İÇOĞLU AKSAKAL F.  
TURKISH JOURNAL OF ZOOLOGY, vol.43, no.6, pp.554-559, 2019 (SCI-Expanded)
- IX. **Developmental toxicity of penconazole in Zebrfish (Danio rerio) embryos**  
İÇOĞLU AKSAKAL F., ÇILTAŞ A.  
Chemosphere, vol.200, pp.8-15, 2018 (SCI-Expanded)
- X. **The impact of ultraviolet B (UV-B) radiation in combination with different temperatures in the early life stage of zebrafish (: Danio rerio)**  
İÇOĞLU AKSAKAL F., ÇILTAŞ A.  
Photochemical and Photobiological Sciences, vol.17, no.1, pp.35-41, 2018 (SCI-Expanded)
- XI. **EFFECT OF DIETARY FISH OIL REPLACEMENT WITH PLANT OILS ON GROWTH PERFORMANCE AND GENE EXPRESSION IN JUVENILE RAINBOW TROUT (ONCORHYNCHUS MYKISS)**  
Kutluyur F., Sirkecioglu A. N., Aksakal E., Aksakal F., TUNC A., GUNAYDIN E.  
ANNALS OF ANIMAL SCIENCE, vol.17, no.4, pp.1135-1153, 2017 (SCI-Expanded)
- XII. **Effect of proline on biochemical and molecular mechanisms in lettuce (Lactuca sativa L.) exposed to UV-B radiation.**  
AKSAKAL O., TABAY D., ESRINGU A., İcoğlu A., ESİM N.  
Photochemical & photobiological sciences : Official journal of the European Photochemistry Association and the European Society for Photobiology, vol.16, pp.246-254, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Ziram\2019ın Daphnia magna Straus Üzerine Toksik Etkisinin, Antioksidan Enzim Aktivitesi ve Antioksidan Sistemle İlişkili Genlerin Ekspresyonu Kullanılarak Değerlendirilmesi**  
İÇÖĞLU AKSAKAL F.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.11-18, 2021 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Real time PCR`da Taqman Prob Yöntemiyle Kantitatif Gen Analizi**  
CEYHUN S. B., AKSAKAL E., KANEKO G., ERDOĞAN O., CEYLAN H., İÇÖĞLU AKSAKAL F.  
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, , Editor, Aktif Yayınevi, pp.127-132, 2011
- II. **Bitki Hücrelerine Gen Aktarım Teknikleri (Agrobacterium Kaynaklı Gen Aktarımı)**  
HALİLOĞLU K., ADIGÜZEL A., ORHAN E., ÜNVER Y., İÇÖĞLU AKSAKAL F.  
in: Uygulamalı Lisansüstü Moleküler Biyoloji Yaz Okulu 4 9 Temmuz 2011 Erzurum, İrfan Küfrevioğlu, Shugo Watabe, Abdulkadir Çiltaş, Orhan Erdoğan, Editor, Aktif Yayınevi, Erzurum, pp.127-131, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Use of Probiotics as Heavy Metal Regulators in Aquaculture**  
ŞENOL KOTAN M., İÇÖĞLU AKSAKAL F.  
5th International Conference on Food, Agriculture and Animal Sciences, Antalya, Turkey, 23 - 26 November 2023
- II. **EFFECTS OF DIBUTYL PHTHALATE ON THE EXPRESSION OF CUT, CYP314, DMRT, AND VTG GENES IN DAPHNIA MAGNA**  
İÇÖĞLU AKSAKAL F.  
INTERNATIONAL CONFERENCE ON CONTEMPORARY SCIENTIFIC STUDIES-V, Ankara, Turkey, 27 - 28 March 2021, vol.3, pp.541-547
- III. **Toxicity of Biologically Synthesized Silver Nanoparticles Against Daphnia magna**  
İÇÖĞLU AKSAKAL F.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 March 2020
- IV. **UV-B Stress and Humic Acid Treatments Induce Phenolic Compounds in Lettuce (Lactuca sativa L.).**  
TABAY D., AKSAKAL Ö., İÇÖĞLU AKSAKAL F.  
III. International Conference on Advances in Natural and Applied Sciences., Antalya, Turkey, 09 May 2018
- V. **Effects of Fish Oil Replacement By Vegetable Oils on Growth Performance and Expression of Growth Hormone I in Rainbow Trout (Oncorhynchus mykiss)**  
İÇÖĞLU AKSAKAL F., ÇILTAŞ A.  
ECOLOGY 2017, 11 - 13 May 2017
- VI. **Effect of Proline on the Contents of Amino Acids in Lettuce (Lactuca sativa L.) Under Ultraviolet B (UV-B)**  
TABAY D., AKSAKAL Ö., İÇÖĞLU AKSAKAL F.  
II. International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- VII. **Exogenous Selenium Can Enhance Tolerance of Maize Seedlings to UV-B Stress**  
AKSAKAL Ö., İÇÖĞLU AKSAKAL F., TABAY D.  
II. International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- VIII. **PROTECTIVE ROLE OF HUMIC ACID IN LETTUCE LACTUCA SATIVA L SUBJECTED TO UV B RADIATION**  
AKSAKAL Ö., İÇÖĞLU AKSAKAL F., ESRİNGÜ A.  
II. INTERNATIONAL CONFERENCE ON ENVIRONMENTALSCIENCE AND TECHNOLOGY - BELGRADE 2016, Belgrade, Serbia And Montenegro, 28 September - 02 October 2016

- IX. **Protective Role of Humic Acid in Lettuce *Lactuca sativa* L Subjected to UV B Radiation**  
AKSAKAL Ö., İÇOĞLU AKSAKAL F., ESRİNGÜ A.  
II. International Conference on Environmental Science and Technology, 28 September - 02 October 2016
- X. **Th effect of nitric oxide on g tocopherol methyletransferase gene expression in lettuce seedlings**  
AKSAKAL Ö., İÇOĞLU AKSAKAL F., AKAR R.  
International Conference on Advances in Natural and Applied Sciences, 21 - 23 April 2016
- XI. **Protective role of humic acid in lettuce seedlings subjected to enhanced UV B radiation**  
AKSAKAL Ö., İÇOĞLU AKSAKAL F., SADEGEHAN N., ESRİNGÜ A.  
International Conference on Advances in Natural and Applied Sciences, 21 - 23 April 2016
- XII. **Protective Role of Humic Cid in Lettuce *Lactuca sativa* L Seedlings Subject Enhanced UV B Radiation**  
AKSAKAL Ö., İÇOĞLU AKSAKAL F., NASTARAN S., ESRİNGÜ A.  
ICANAS 2016, Antalya, Turkey, 21 - 23 April 2016
- XIII. **Effect of Dietary Conjugated Linoleic Acid on the mRNA Levels of Some Antioxidant Enzymes.**  
İÇOĞLU AKSAKAL F., SİRKECİOĞLU A. N., AKSAKAL E.  
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 21 April 2016
- XIV. **Farklı Yağ Kaynağı İçeren Diyetlerin Gökkuşluğu Alabalığında (*Oncorhynchus mykiss*) immune Sistem (TGF- $\beta$ ) Geni Ekspresyonu Üzerine Etkisinin Belirlenmesi**  
İÇOĞLU AKSAKAL F., AKSAKAL E., SİRKECİOĞLU A. N.  
18. Ulusal Biyoteknoloji Kongresi, Konya, Turkey, 18 December 2015
- XV. **Farklı Yetiştiricilik Sistemlerinin Gökkuşluğu Alabalığı (*Oncorhynchus mykiss*) Kas Dokularındaki Kalpastatin (CAST) mRNA Seviyesi Üzerine Etkisi.**  
AKSAKAL E., SİRKECİOĞLU A. N., İÇOĞLU AKSAKAL F.  
18. Ulusal Biyoteknoloji Kongresi, Konya, Turkey, 18 December 2015

## Supported Projects

İÇOĞLU AKSAKAL F., KINDİĞİLİ M. E., Project Supported by Higher Education Institutions, Yeşil Sentez Yoluyla Biberiye *Rosmarinus officinalis* Otundan Bakır Nanopartikül Sentezlenerek Bazı Bakteriler Üzerindeki Etkisinin Araştırılması, 2020 - 2021

AYDIN M., TAŞPINAR M. S., İÇOĞLU AKSAKAL F., ÇİLTAŞ A., Project Supported by Higher Education Institutions, Tarımsal Biyoteknoloji Bölümü Akreditasyon Laboratuvarı Araştırma ve Destek Projesi, 2020 - 2021

## Tasks In Event Organizations

Uğuz H., Karabacak T., Severoğlu S., Topal A., Dadaşoğlu F., Aydın H., İçoğlu Aksakal F., Bayrakçeken Nişancı F., Akköse A., Keskin C., et al., 5th International Conference on Food, Agriculture and Animal Sciences, Scientific Congress, Antalya, Turkey, Kasım 2023

## Metrics

Publication: 30

Citation (WoS): 238

Citation (Scopus): 318

H-Index (WoS): 8

H-Index (Scopus): 9

## Congress and Symposium Activities

5 TH INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, Attendee, Antalya, Turkey, 2023  
ECOLOGY 2017, Attendee, Kayseri, Turkey, 2017  
International Conference on Advances in Natural and Applied Sciences., Attendee, Antalya, Turkey, 2016  
18. Ulusal Biyoteknoloji Kongresi., Attendee, Konya, Turkey, 2015