

## Asst. Prof. Sezen ÖZÇELİK

### Personal Information

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### International Researcher IDs

ScholarID: 5nV3gykAAAAJ

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2011 - 2018

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Su Ürünleri Avlama Ve İşleme Teknolojisi (YI) (Tezli), Turkey 2008 - 2011

Undergraduate Minor, Cukurova University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 2005 - 2008

Undergraduate, Cukurova University, Su Ürünleri Fakültesi, Su Ürünleri Mühendisliği Bölümü, Turkey 2004 - 2008

### Dissertations

Doctorate, Farklı kalsiyum derişimlerinde cıva, çinko, krom ve nikel etkisinde kalan balıklarda (*Oreochromis niloticus*) bazı serum değerleri ve besin kalitelerinin incelenmesi, Cukurova University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2018

Postgraduate, Laktik asit bakterilerinin farklı balık infüzyon sıvılarında organik asit üretiminin HPLC ile incelenmesi, Cukurova University, Fen Bilimleri Enstitüsü, Su Ürünleri Avlama Ve İşleme Teknolojisi (YI) (Tezli), 2011

### Academic Titles / Tasks

Hakkari University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2018 - Continues

Research Assistant, Hakkari University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2009 - 2018

### Academic and Administrative Experience

Hakkari University, 2022 - Continues

Hakkari University, 2022 - 2022

Hakkari University, 2018 - 2019

Hakkari University, 2018 - 2019

### Courses

İleri Genetik, Undergraduate, 2023 - 2024

İleri Genetik, Undergraduate, 2023 - 2024

Su Bitkileri, Undergraduate, 2022 - 2023

Gıda ve Beslenme, Undergraduate, 2022 - 2023  
Türkiye'nin Biyolojik Zenginlikleri, Undergraduate, 2022 - 2023  
Evrım, Undergraduate, 2021 - 2022  
Hayvan Toksinleri, Undergraduate, 2021 - 2022  
Tez Çalışması, Postgraduate, 2021 - 2022  
Zehirli Hayvanlar ve Zehirleri, Undergraduate, 2021 - 2022  
Su Kirliliğinde Biyodeneyleyler, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Su Örneđi Alma ve Analiz Yöntemleri, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Gıda Güvenliđi Yönetim Sistemleri, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Gıda Toksikolojisi, Postgraduate, 2020 - 2021  
Biyonanoteknoloji, Postgraduate, 2020 - 2021  
Endüstriyel Biyoteknoloji, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Gıda Enzimolojisi, Postgraduate, 2020 - 2021  
Kariyer Planlama, Undergraduate, 2020 - 2021  
İleri Besin Kimyası, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
İleri Gıda Mikrobiyolojisi, Postgraduate, 2020 - 2021  
Biyoteknolojide Kullanılan Malzemeler, Postgraduate, 2020 - 2021  
Gıda Kontrolü ve Hijyeni, Associate Degree, 2020 - 2021  
Gıda Biyoteknolojisi, Postgraduate, 2020 - 2021  
Su Kalitesi ve Su Kirliliđi, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Fonksiyonel Gıdalar, Postgraduate, 2020 - 2021  
Uzmanlık Alan, Postgraduate, 2019 - 2020, 2018 - 2019

## Advising Theses

Sezen Ö., Çölyak hastaları için hıngedanlı (*Ferula pseudalliacae*) glutensiz bisküvi üretimi, Postgraduate, R.GÖR(Student), 2023

## Jury Memberships

Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, September, 2019  
Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, September, 2019

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

- I. **Effect of divalent ion of strontium substitution on the structural, optical, magnetic and blood compatibility studies in cobalt ferrite**  
Ergin İ., Özçelik S., İçin K., Yalcin B., Arda L., Özçelik B.  
PHYSICA SCRIPTA, vol.99, no.6, pp.65908, 2024 (SCI-Expanded)
- II. **Impact of magnetic field on the translocation of iron oxide nanoparticles (Fe<sub>3</sub>O<sub>4</sub>) in barley seedlings (*Hordeum vulgare* L.)**  
Tombuloglu H., Ercan I., Alqahtani N., Alotaibi B., Bamhrez M., Alshumrani R., Turumtay H., ERGİN İ., Demirci T., ÖZÇELİK S., et al.  
3 Biotech, vol.13, no.9, 2023 (SCI-Expanded)
- III. **Combined effects of metals (Cr<sup>6+</sup>, Hg<sup>2+</sup>, Ni<sup>2+</sup>, Zn<sup>2+</sup>) and calcium on the serum biochemistry and food quality of the Nile fish (*Oreochromis niloticus*)**  
ÖZÇELİK S., CANLI M.  
Journal of Food Composition and Analysis, vol.115, 2023 (SCI-Expanded)

- IV. **Magnetic field effects on the magnetic properties, germination, chlorophyll fluorescence, and nutrient content of barley (*Hordeum vulgare* L.)**  
Ercan I, Tombuloglu H., Alqahtani N., Alotaibi B., Bamhrez M., Alshumrani R., ÖZÇELİK S., Kayed T. S.  
Plant Physiology and Biochemistry, vol.170, pp.36-48, 2022 (SCI-Expanded)
- V. **Seafood infusion broths as novel sources to produce organic acids using selected lactic acid bacteria strains**  
ÖZOĞUL F., ÖZÇELİK S., ÖZOĞUL Y., Yilmaz M. T.  
Food Bioscience, vol.43, 2021 (SCI-Expanded)
- VI. **Structural, optical, magnetic, photocatalytic activity and related biological effects of CoFe<sub>2</sub>O<sub>4</sub> ferrite nanoparticles**  
Yalcin B., ÖZÇELİK S., İÇİN K., ŞENTÜRK K., ÖZÇELİK B., Arda L.  
Journal of Materials Science: Materials in Electronics, vol.32, no.10, pp.13068-13080, 2021 (SCI-Expanded)
- VII. **Structure, magnetic, photocatalytic and blood compatibility studies of nickel nanoferrites prepared by laser ablation technique in distilled water**  
ÖZÇELİK S., Yalçın B., Arda L., Santos H., Sáez-Puche R., Angurel L., Fuente G. d. l., ÖZÇELİK B.  
Journal of Alloys and Compounds, vol.854, 2021 (SCI-Expanded)
- VIII. **High speed processing of NiFe<sub>2</sub>O<sub>4</sub> spinel using a laser furnace**  
ÖZÇELİK B., ÖZÇELİK S., Amaveda H., Santos H., Borrell C., Sáez-Puche R., de la Fuente G., Angurel L.  
Journal of Materiomics, vol.6, no.4, pp.661-670, 2020 (SCI-Expanded)
- IX. **Magnetic Behavior and Nutrient Content Analyses of Barley (*Hordeum vulgare* L.) Tissues upon CoNd<sub>0.2</sub>Fe<sub>1.8</sub>O<sub>4</sub> Magnetic Nanoparticle Treatment**  
Tombuloglu H., Slimani Y., Alshammari T., Tombuloglu G., Almessiere M., Baykal A., Ercan I., ÖZÇELİK S., Demirci T.  
Journal of Soil Science and Plant Nutrition, vol.20, no.2, pp.357-366, 2020 (SCI-Expanded)
- X. **Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (*Triticum aestivum* L.)**  
Al-Amri N., Tombuloglu H., Slimani Y., Akhtar S., Barghouthi M., Almessiere M., Alshammari T., Baykal A., Sabit H., Ercan I., et al.  
Ecotoxicology and Environmental Safety, vol.194, 2020 (SCI-Expanded)
- XI. **Formation of lactic, acetic, succinic, propionic, formic and butyric acid by lactic acid bacteria**  
ÖZÇELİK S., KÜLEY E., ÖZOĞUL F.  
LWT, vol.73, pp.536-542, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Use of the Hingedan (*Ferula pseudalliacea*) in the Production of Functional Gluten-Free Biscuits**  
ÖZÇELİK S., Gör R.  
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.39, no.1, 2024 (Peer-Reviewed Journal)
- II. **Properties and antibacterial activity of MnFe<sub>2</sub>O<sub>4</sub> nanoparticles obtained by pulsed laser ablation in liquid**  
ÖZÇELİK S., ÖZÇELİK B., ARIKAN B., kocamaz s., Amaveda H., Angurel L., de la Fuente G.  
Open Ceramics, vol.17, no.100555, 2024 (ESCI)
- III. **Investigation of antimicrobial effects of zinc-based nanoparticles on food-borne pathogens**  
ÖZÇELİK S.  
Frontiers in Life Sciences and Related Technologies (Online), vol.4, no.3, pp.132-137, 2023 (Peer-Reviewed Journal)
- IV. **Copper Ferrite Nanoparticles: Structural, Magnetic, Optical, Photocatalytic Activity and Blood Compatibility Properties**  
ÖZÇELİK S.  
BioNanoScience, vol.13, no.3, pp.958-972, 2023 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Hingedan (*Ferula pseudalliaceae*) Biscuit Production for Celiac Patients**  
Gör R., ÖZÇELİK S.  
9th International Agriculture Congress, Adana, Turkey, 02 October 2023
- II. **Copper Ferrite Nanoparticles: structural, magnetic, optical, photocatalytic activity and blood compatibility properties**  
ÖZÇELİK S.  
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS SCIENCE & ENGINEERING AND HIGH TECH DEVICE APPLICATIONS, Turkey, 27 - 29 October 2022
- III. **BIOLOGICAL APPLICATION OF Ni-SPINEL NANOPARTICLE PREPARED VIA LASER ABLATION TECHNIQUE**  
ÖZÇELİK S., YALÇIN B., ARDA L., Angurel L., de la Fuente G., ÖZÇELİK B.  
ICSM-2021, Bodrum, Turkey, 21 - 27 October 2021
- IV. **LASER PROCESSING OF NiFe<sub>2</sub>O<sub>4</sub> SPINEL: FROM MICRO TO NANO**  
ÖZÇELİK B., ÖZÇELİK S., Amaveda H., Santos H., Borrell C., Puche R. S., Angurel L., de la Fuente G.  
ICSM-2021, Bodrum, Turkey, 21 October 2021
- V. **Structure, Magnetic, Photocatalytic and Blood Compatibility properties of Ni-spinel nanoparticle prepared via laser ablation technique**  
ÖZÇELİK S., YALÇIN B., ARDA L., Angurel L., de la Fuente G., ÖZÇELİK B.  
ICCMMS 2019, 14 - 19 October 2019
- VI. **Influence of dietary supplemental garlic (*allium sativum*) on liver enzyme values of rainbow trout (*oncorhynchus mykiss*)**  
Göçmen E., DİKEL S., ÖZ M., ÖZÇELİK S., Yabacı F. S.  
2nd International Congress on Advances in Bioscience and Biotechnology (ICABB), 26 - 30 June 2018
- VII. **Effects Of Garlic (*Allium Sativum*) Oral Supplementation On Some Blood Biochemical Values Of Rainbow Trout (*Oncorhynchus Mykiss*)**  
DİKEL S., ÖZ M., ÖZÇELİK S., Yabacı F. S.  
International Congress on Advances in Bioscience and Biotechnology (ICABB) 2018, 26 - 30 July 2018
- VIII. **Synthesis of Carbon Nanotubes Derived from Apricot Stone**  
Gedik B., ÖNAL Y., ÖZÇELİK S., DEPCİ T., YOLA M. L.  
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIALS SCIENCE, 11 - 15 October 2017
- IX. **Synthesis and Properties of Whitlockite from Sea Urchin Skeleton and its Application as Bone Cement**  
ÖZÇELİK S., DEPCİ T., YAVUZ H. İ., SAYIN S.  
International Conference on Condensed Matter and Materials Science-2017, 11 - 15 October 2017
- X. **Production of Mesoporous Amorphous Biosilica from Diatomaceous Earth Powder**  
ÖZÇELİK S., DEPCİ T., YAVUZ H. İ., SAYIN S.  
International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017
- XI. **The Ability of Organic Acids Production by Lactic Acid Bacteria in M17 Broth and Squid, Shrimp, 2432 Octopus, Eel Infusion Broth**  
ÖZOĞUL F., ÖZÇELİK S., ÖZOĞUL Y.  
ICFPFS 2017 :19th International Conference on Food Product Safety in Food Science, Barcelona, Spain, 27 - 28 July 2017
- XII. **Organic acids lactic acetic succinic propionic formic and butyric production by lactic acid bacteria in various fish infusion broth**  
ÖZÇELİK S., ÖZOĞUL F.  
46th WEFTA, Split, Croatia, 12 - 14 October 2016

## **Metrics**

Publication: 27

Citation (Scopus): 346

H-Index (Scopus): 7