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### **Education Information**

Doctorate, Gazi University, Fen Fakültesi, Biyoloji, Turkey 2000 - 2006

Postgraduate, Gazi University, Fen Fakültesi, Biyoloji, Turkey 1997 - 2000

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji, Turkey 1990 - 1994

### **Research Areas**

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Biotechnology

### **Academic Titles / Tasks**

Professor, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues

Associate Professor, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2014 - 2022

### **Academic and Administrative Experience**

Head of Department, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

Erciyes University, 2015 - Continues

Deputy Head of Department, Erciyes University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2014 - 2023

Head of Department, Erciyes University, Farmasötik Teknoloji, 2011 - 2023

Erciyes University, 2011 - 2017

### **Advising Theses**

ONBAŞLI D., BAKTERİYEL BİYOFİMLERİ ÜZERİNE KİTOSANIN IN VITRO DEJENERATİF ETKİSİ, Postgraduate, S.Fidan(Student), 2014

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

- I. Cytotoxicity of *Sarcosphaera crassa* and *Tricholoma terreum* extracts on colon cancer cell line (HT-

- 29) in conjunction with their antioxidant properties**  
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- II. In vitro medicinal potentials of Bryum capillare, a moss sample, from Turkey**  
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SAUDI JOURNAL OF BIOLOGICAL SCIENCES, vol.28, no.1, pp.478-483, 2021 (SCI-Expanded)
- III. Evaluation of anti-biofouling potential of Viburnum opulus extracts**  
Demirhan T., Celik G., KATIRCIÖGLU H., ONBAŞLI D.  
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- IV. ANTIBIOFILM ACTIVITY ON ESCHERICHIA COLI BIOFILMS OF ENVIRONMENT FRIENDLY BIOMATERIALS CHITOSAN**  
Fidan S., ONBAŞLI D., YUVALI G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.10, pp.8817-8824, 2020 (SCI-Expanded)
- V. MEDICINAL POTENTIAL OF ECTOMYCORRHIZAL MUSHROOM PISOLITHUS ARHIZUS EXTRACTS FROM TURKEY**  
ONBAŞLI D., Yuvali G., ASLIM B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.10, pp.9455-9464, 2020 (SCI-Expanded)
- VI. Biodegradation of 2,4-dichlorophenoxyacetic acid (2,4-D) herbicide by Pseudomonas spp. strains**  
ONBAŞLI D., Aslim B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.6, pp.1438-1446, 2011 (SCI-Expanded)
- VII. Determination of lactic acid production and antagonistic activity against Helicobacter pylori of L. delbrueckii subsp. bulgaricus and S. thermophilus strains**  
Aslim B., ONBAŞLI D., Yüksekdağ Z. N.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.17, no.4, pp.609-614, 2011 (SCI-Expanded)
- VIII. Effects of some organic pollutants on the exopolysaccharides (EPSSs) produced by some Pseudomonas spp. strains**  
ONBAŞLI D., Aslim B.  
JOURNAL OF HAZARDOUS MATERIALS, vol.168, no.1, pp.64-67, 2009 (SCI-Expanded)
- IX. Biosurfactant Production in Molasses by Some Pseudomonas spp.**  
ONBAŞLI D., Aslim B.  
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.30, no.1, pp.161-163, 2009 (SCI-Expanded)
- X. Determination of antimicrobial activity and production of some metabolites by Pseudomonas aeruginosa B1 and B2 in sugar beet molasses**  
ONBAŞLI D., Aslim B.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.24, pp.4614-4619, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. Chemical Compounds and Biological Activity of Turkish Santolina chamaecyparissus L. Essential Oil by Microwave Assisted Distillation**  
SÜFER Ö., CEYLAN A., ONBAŞLI D., YUVALI G., BOZOK F.  
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.21, no.2, pp.165-175, 2021 (ESCI)
- II. Chitosan Biopolymer and its Anti-biofilm Activity**  
ONBAŞLI D.  
Int. J. Pharm. Sci. Rev. Res., vol.64, no.1, pp.50-54, 2020 (Peer-Reviewed Journal)
- III. İlaca Dirençli Mikroorganizmalara Karşı Yeni Bir Yaklaşım: Geleceğin Antibiyotikleri, Bitkisel Antimikrobiyal Peptidler**  
ONBAŞLI D., YUVALI ÇELİK G., KATIRCIÖGLU H.

- ERÜ SAĞLIK BİLİMLERİ FAKÜLTESİ DERGİSİ, vol.7, no.1, pp.51-57, 2020 (Peer-Reviewed Journal)
- IV. Türk Farmakopesindeki Bazı Tıbbi Bitkilerin Önemli Farmakolojik Gruplara Göre İncelenmesi  
ONBAŞLI D., Dal A.  
ERÜ SAĞLIK BİLİMLERİ FAKÜLTESİ, vol.7, no.1, pp.22-36, 2020 (Peer-Reviewed Journal)
- V. Biotechnological Drugs Found in Pharmacies in Turkey  
ONBAŞLI D., YUVALI ÇELİK G., CEYLAN A., Dal A.  
International Journal of Pharma Research and Health Sciences, vol.7, no.2, pp.2928-2936, 2019 (Peer-Reviewed Journal)
- VI. Pisolithus arrhizus Ekstraktı Kullanılarak Sentezlenen Titanyum Nanopartikülünün Antimikrobiyal Etkisi  
YUVALI ÇELİK G., ONBAŞLI D., Özbahar Ö., ÖÇSOY İ.  
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- VII. Veterinary Drugs Found in Pharmacies in Turkey  
ONBAŞLI D., YUVALI ÇELİK G., CEYLAN A., Yüçetürk M., Dal A.  
International Journal of Scientific Research and Management, 2019 (Peer-Reviewed Journal)
- VIII. Investigation of Pharmacological Properties of Bryophyte Hypnum andoi from Turkey  
ONBAŞLI D., YUVALI ÇELİK G., ALTUNER E. M., ASLIM B.  
International Journal of Pharmacy and Natural Medicines, vol.7, no.1, pp.10-14, 2019 (Peer-Reviewed Journal)
- IX. Apiterapi ve İnsan Sağlığı Üzerine Etkileri  
ONBAŞLI D., YUVALI ÇELİK G., KAHRAMAN S., KANBUR M.  
Erciyes Üniversitesi Veteriner Fakültesi Dergisi, vol.16, no.1, pp.49-56, 2019 (Peer-Reviewed Journal)
- X. TÜRKİYE'DE ECZANELERDE BULUNAN BİTKİSEL İLAÇLAR  
ONBAŞLI D., YUVALI ÇELİK G., CEYLAN A., Dal A.  
Erciyes Üniversitesi Sağlık Bilimleri Fakültesi Dergisi, 2019 (Peer-Reviewed Journal)
- XI. Kitozan Gümüş Nanopartikülü ve Kitozan-Gümüş-Grafen Oksit Nanokompozitinin Sentezi, Karakterizasyonu ve Antimikrobiyal Aktivitelerinin belirlenmesi  
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- XII. Kitosan-gümüş nanopartikülü ve kitosan-gümüş-grafen oksit nanokompozitinin sentezi, karakterizasyonu ve antimikrobiyal aktivitelerinin Belirlenmesi.  
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- XIII. Antimicrobial activities of Pseudomonas spp. strains isolated from raw milk collected in Turkey  
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- XIV. MİKROBİYAL BİYOFİMLERE KARŞI YENİ ANTİBİYOFİLM STRATEJİLERİ ve NANOTEKNOLOJİK KAKLAŞIMLAR  
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- XV. Antimicrobial Antioxidant Activities and Chemical Composition of Lactarius deliciosus L Collected from Kastamonu Province of Turkey  
ONBAŞLI D., YUVALI ÇELİK G., KATIRCIOĞLU H., NARİN İ.  
Kastamonu University, Journal of Forestry Faculty, vol.15, pp.98-103, 2015 (ESCI)
- XVI. Antimicrobial, Antioxidant Activities and Chemical Composition of Lactarius deliciosus (L.) Collected from  
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- XVII. In vitro Antimicrobial and Antioxidant Properties of Ganoderma lucidum Extracts Grown in Turkey

- YUVALI ÇELİK G., ONBAŞLI D., ALTINSOY B., ALLİ H.  
European Journal of Medicinal Plants, vol.4, no.6, pp.709-722, 2014 (Peer-Reviewed Journal)
- XVIII. **Investigation of proteolytic, lipolytic activities and antibiotics susceptibility of some Pseudomonas bacteria isolated from raw milks**  
ÇAYLAK TAŞ T., YUVALI ÇELİK G., ONBAŞLI D.  
TÜRK HİJYEN VE DENEYSEL BİYOLOJİ DERGİSİ, vol.70, no.3, pp.147-152, 2013 (Scopus)
- XIX. **Çığ sütlerden izole edilen bazı Pseudomonas Bakterilerinin Proteolitik Lipolitik Aktivitelerinin ve Antibiyotik Duyarlılıklarının Araştırılması**  
YUVALI ÇELİK G., Çaylak T. T., ONBAŞLI D.  
Türk Hijyen ve Deneysel Biyoloji Dergisi, vol.70, no.3, pp.147-152, 2013 (Peer-Reviewed Journal)
- XX. **Kastamonu yöresinden toplanan bazı makrofungalıların Antimikroiyal aktivitesi**  
Bekci H., ALTINSOY B., sarıkaya s., ONBAŞLI D., YUVALI ÇELİK G.  
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- XXI. **Pseudomonas Cinsi Bakterilerin Biyoteknolojik Açıdan Önemli Bazı Sekonder Metabolitleri**  
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- XXII. **Antimicrobial Activity of Mnium marginatum Extracts**  
ONBAŞLI D., ALTUNER E. M., YUVALI ÇELİK G.  
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- XXIII. **Mnium marginatum özülerinin antimikroiyal aktivitesi**  
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- XXIV. **Investigation of Metabolite Productions and degradation of hazardous organic pollutants by Pseudomonas spp**  
ONBAŞLI D., ASLIM B., YUVALI ÇELİK G.  
Journal of Applied Biological Sciences, vol.5, no.2, pp.9-14, 2011 (Peer-Reviewed Journal)
- XXV. **Investigation of Metabolite Productions and Degradation of Hazardous Organic Pollutants by Pseudomonas spp.**  
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Journal of Applied Biological Sciences, vol.5, no.2, pp.9-14, 2011 (Scopus)
- XXVI. **The Determination of Genetical Distances among Certain Selfed Maize Generations (F3 , F4 And F5 ) by using PCR Method**  
Açık L., Samancı B., ONBAŞLI D.  
Journal of The Institute of Science and Technology of Gazi University, vol.12, no.3, pp.837-847, 1999 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Biyoteknolojide Kullanılan Mikroiyal Sistemler**  
YUVALI ÇELİK G., ONBAŞLI D.  
in: Güncel Biyoteknoloji ve Uygulamaları, Dündar Munis, Bağış Haydar, Editor, Erciyes Üniversitesi Yayımları, Kayseri, pp.555-564, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Apitherapy and Effect on Human Health.**

- ONBAŞLI D., YUVALI ÇELİK G., KATIRCIÖGLU H.  
2nd International Congress of Veterinary Microbiology, Antalya, Turkey, 16 - 19 October 2018
- II. **Veterinary Medicines Found in Pharmacies in Turkey**  
ONBAŞLI D., YUVALI ÇELİK G., CEYLAN A., DAL A.  
2nd International Congress of Veterinary Microbiology, Antalya, Turkey, 16 - 19 October 2018, pp.264
- III. **GABA Biosynthesis in Intestinal Flora**  
YUVALI ÇELİK G., ONBAŞLI D., CEYLAN A., DAL A.  
5. Ulusal Bağırsak Mikrobiyotası ve Probiyotik Kongresi, Antalya, Turkey, 11 - 14 October 2018, pp.156
- IV. **Serotonin Biosynthesis in Intestinal Flora**  
YUVALI ÇELİK G., ONBAŞLI D., CEYLAN A., DAL A.  
5. Ulusal Bağırsak Mikrobiyotası ve Probiyotik Kongresi, Antalya, Turkey, 11 - 14 October 2018, pp.157
- V. **Investigation of Health Ministry of Licensed Biotechnologically Medicines Found in Pharmacies in Turkey**  
ONBAŞLI D., YUVALI ÇELİK G., CEYLAN A., DAL A.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.289
- VI. **Türkiye'de Eczanelerde Bulunan Bitkisel İlaçlar**  
ONBAŞLI D., YUVALI ÇELİK G., CEYLAN A., DAL A.  
XXIII. Bitkisel İlaç Hammaddeleri Toplantısı, Antalya, Turkey, 9 - 12 April 2018, pp.110
- VII. **Green tea (*Camellia sinensis* (L.) Kuntze) extracts and its major components, caffeine and catechin, guided formation of Ag NPs and their enhanced antimicrobial activities.**  
KONCA S. F., ONBAŞLI D., YUVALI ÇELİK G., ÖÇSOY İ.  
2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017
- VIII. **Green tea (*Camellia sinensis* (L.) Kuntze) extracts and its major components, caffeine and catechin, guided formation of Ag NPs and their enhanced antimicrobial activities**  
KONCA S. F., ONBAŞLI D., YUVALI ÇELİK G., ÖÇSOY İ.  
International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 September 2017
- IX. **Synthesis of hybrid Ag/Au NPs using green tea (*Camellia sinensis* (L.) Kuntze) plant leaf extract with their antimicrobial activities**  
KONCA S. F., ONBAŞLI D., YUVALI ÇELİK G., ÖÇSOY İ.  
International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 September 2017
- X. **Medicinal Properties of *Bryum capillare***  
ONBAŞLI D., YUVALI ÇELİK G., ALTUNER E. M., ASLIM B.  
The Second Japan-Turkey International Symposium on Pharmaceutical and Biomedical Sciences, Trabzon, Turkey, 11 - 12 September 2017
- XI. **Medicinal Properties of *Hypnum andoi***  
ONBAŞLI D., YUVALI ÇELİK G., ALTUNER E. M., ASLIM B.  
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- XII. **Kitosan-Gümüş ve Kitosan-Gümüş-Grafen OksitNanopartiküllerinin Sentezlenmesi ve AntimikrobiyalAktivitelerinin Belirlenmesi**  
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- XIII. ***Escherichia coli* Biyofilmi Üzerine Kitosanın In Vitro Dejeneratif Etkisi**  
Fidan S., YUVALI ÇELİK G., ONBAŞLI D.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.1075
- XIV. **Evaluation of Antibiofilm Potential of A Novel MedicinalPlant (*Vibirnum opulus*) Extract: Example of Dental Plaque**  
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IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.635
- XV. ***Pisolithus arrhizus* EKSTRAKTI KULLANILARAK SENTEZLENEN TİTANYUM NANOPARTİKÜLÜNÜN**

## **ANTİMİKROBİYAL ETKİSİ**

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3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017

- XVI. **Pisolithus arrhizus Ekstraktı Kullanılarak Sentezlenen Titanyum Nanopartikülü'nün antimikrobiyal etkisi**

ÖZBAHAR Ö., YUVALI ÇELİK G., ONBAŞLI D., ÖÇSOY İ., KONCA S. F.

3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 28 April 2017

- XVII. **Escherichia coli Biyofilmi Üzerine Kitosanın In Vitro Dejeneratif Etkisi**

Fidan S., YUVALI ÇELİK G., ONBAŞLI D.

3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 28 April 2017

- XVIII. **New Antibiofilm Strategies and Nanotechnological Approaches Against Microbial Biofilms**

ÖKÇESİZ A., ONBAŞLI D., YUVALI ÇELİK G., Fidan S.

3st International Nanoscience&Nanotechnology for Next Generation Confrence, Antalya, Turkey, 20 - 22 October 2016, pp.117

- XIX. **Investigation of anticancer potential of Pisolithus arrhizus mushroom grown in Turkey**

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- XX. **Production of Fungal Chitosan**

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International Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 15 November 2015, pp.68

- XXI. **Antimicrobial Activity and Flavonoid Content of Pisolithus arhizus mushroom grown in Turkey**

ONBAŞLI D., YUVALI ÇELİK G., Aslim B.

11th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 9 - 12 June 2015, pp.287

- XXII. **Pisolithus arhizus Özütlerinin Antioksidan Aktivitesi**

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21. Bitkisel İlaç Hammaddeleri Toplantısı, Nevşehir, Turkey, 28 May - 01 June 2014, pp.86

- XXIII. **Karayosunu Türleri olan Hypnum andoi, Plagiomnium undulatum, Bryum radiculosum'a Ait Özütlerin Antimikrobiyal Etkilerinin ve Antikanser Aktivitelerinin İncelenmesi**

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21. Bitkisel İlaç Hammaddeleri Toplantısı, Nevşehir, Turkey, 28 May - 01 June 2014, pp.57

- XXIV. **Kastamonu Yöresinden Toplanan Karayosunu Özütlerinin Antimikrobiyal ve Antioksidan Aktivitelerinin Belirlenmesi**

ONBAŞLI D., YUVALI ÇELİK G., Altuner E. M., Bekci H., ALTINSOY B., Aslim B.

21. Bitkisel İlaç Hammaddeleri Toplantısı, Nevşehir, Turkey, 28 May - 01 June 2014, pp.84

- XXV. **Evaluation of anticancer activities of Bryum capillare**

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- XXVI. **A comparative study on the antioxidant and antimicrobial activity of Sarcosphaera crassa and Tricholoma spp. Extracts**

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- XXVII. **A comparative study on the cytotoxic activity of Three edible mushrooms extracts**

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- XXVIII. **Antimicrobial Properties of Natural Dyes Against Some Pathogens**

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- XXIX. **Total Phenolic, Total Flavonoid Content and The DPPH Free Radical Scavenging Activity of Lactarius**

- deliciosus (L.)**  
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- XXX. **In vitro antimicrobial, antioxidant, and antibiofilm of Bryum capillare, a bryophyte sample**  
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- XXXI. **A Comparative study on the antioxidant and antimicrobial activity of Ganoderma lucidum extracts**  
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- XXXII. **Antimicrobial activities and proximate chemical composition of Lactarius deliciosus collected from Kastamonu province of Turkey**  
ONBAŞLI D., Katircioğlu H., YUVALI ÇELİK G., NARİN I.  
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- XXXIII. **Determination of antimicrobial activity of some natural dyes**  
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- XXXIV. **Influence of carbon sources on the production and characterization of the exopolysaccharide (EPS) by Bacillus sphaericus 7055 Strain**  
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- XXXV. **Pseudomonas spp. Suşları Tarafından Bazı Petrol Hidrokarbonlarının Degredasyonunun Belirlenmesi**  
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- XXXVI. **Investigation of effects of various organic pollutants upon the exopolysaccharides (EPSSs) produced by some Pseudomonas spp. strains**  
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- XXXVII. **Determination of rhamnolipid biosurfactant production in molasses by some Pseudomonas spp.**  
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Yuvalı G., Onbaşlı D., TUBITAK Project, Mikrobiyal Patojenlere Karşı Viburnum opulus (L.)'un Antimikrobiyal Peptidleri: Geleceğin Antibiyotikleri, 2021 - 2022

ONBAŞLI D., Yuvalı Celik G., AYCAN M. B., CEYLAN A., DAYAN S., KATIRCIÖGLU H., TUBITAK Project, Antimicrobial Peptides of Viburnum opulus (L.) Against Microbial Pathogens: Antibiotics of the Future, 2021 - 2022

ONBAŞLI D., FİDAN S., YUVALI ÇELİK G., Project Supported by Higher Education Institutions, Escherichia coli (E. coli) biyofilmi üzerine ticari kitozanın antibiyofilm yeteneğinin Scanning Elektron Mikroskop (SEM)' unda Kalitatif Analizi, 2016 - 2017

ÖÇSOY İ., YILMAZ V., ONBAŞLI D., YUVALI ÇELİK G., Project Supported by Higher Education Institutions, Zengin Flavonoid Kaynaklı Pisolithus arhizus Mantar Ekstraktı Kullanarak TitanyumdioksitGümüş TiO<sub>2</sub>AgTitanyumdioksitÇinko TiO<sub>2</sub>Cu ve TitanyumdioksitBakır TiO<sub>2</sub>Zn Bimetalik Nanopartiküllerin Sentezi ve Karakterizasyonu, 2016 - 2016

YUVALI G., DEMİRHAN T., KATIRCIÖGLU H., ONBAŞLI D., Project Supported by Higher Education Institutions, BİTKİSEL KAYNAKLI DOĞAL ÜRÜNLERİN ANTİBİYOFOULİNG POTANSİYELLERİ YÖNÜNDEN DEĞERLENDİRİLMESİ DİŞ PLAĞI ÖRNEĞİ, 2015 - 2016

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## **Scientific Refereeing**

The Journal of Food Biochemistry, Other Indexed Journal, July 2015

## **Metrics**

Publication: 79  
Citation (WoS): 200  
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## **Awards**

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