

# Prof. İSMAİL DEMİR

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Turkey 1998 - 2004

Postgraduate, Karadeniz Technical University, Fen Bilimleri, Turkey 1994 - 1998

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Turkey 1990 - 1994

## Foreign Languages

English, B1 Intermediate

## Certificates, Courses and Trainings

Education Management and Planning, Deney Hayvanları Kullanım Sertifikası, Karadeniz Teknik Üniversitesi, 2010

## Dissertations

Doctorate, Malacosoma neustria Nükleopolihedrovirüs (ManeNPV)'ün Malacosoma disstria Hücre Kültüründe In Vitro Replikasyonu ve Konak Spektrumunun Araştırılması, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2008

Postgraduate, Fuel Oil ile Kirlenmiş Topraklardan Bazı Pseudomonas Türlerinin İzolasyonu ve Karakterizasyonu, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 1998

## Research Areas

Agricultural Sciences, Agriculture, Plant Protection, Entomology, Insect Control, Forestry, Forest engineering, Forest Entomology and Conservation, Forest Protection, Life Sciences, Biotechnology, Microbial Biotechnology, Microbiology, Bacteriology, Mycology, Virology, Natural Sciences

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2015 - Continues  
Associate Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2010 - 2015  
Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2005 - 2010  
Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2004 - 2005  
Research Assistant, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 1994 - 2004

## Academic and Administrative Experience

Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2014 - Continues  
Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2011 - Continues  
Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2010 - 2011

## Courses

Hücre Biyolojisi, Undergraduate, 2014 - 2015  
Genel Mikrobiyoloji Laboratuvarı, Undergraduate, 2014 - 2015  
Mikrofunguslar, Doctorate, 2014 - 2015  
Ekonomik Entomoloji, Postgraduate, 2014 - 2015  
Hücre Biyolojisi Laboratuvarı, Undergraduate, 2014 - 2015  
Hücre Kültürü, Undergraduate, 2014 - 2015  
Genel Mikrobiyoloji, Undergraduate, 2014 - 2015  
Hücre Kültürü ve Viroloji Teknikleri, Postgraduate, 2013 - 2014  
Çevre Biyoteknolojisi, Doctorate, 2013 - 2014  
Böcek Biyolojisi, Postgraduate, 2012 - 2013  
Virolojik Tanı, Doctorate, 2011 - 2012  
Tıbbi Mikrobiyoloji, Undergraduate, 2009 - 2010  
Mikoloji, Postgraduate, 2007 - 2008  
Genel Biyoloji, Undergraduate, 2007 - 2008  
Genel Biyoloji Laboratuvarı, Undergraduate, 2007 - 2008

## Advising Theses

DEMİR İ., Chilo Iridescent Virus'e Ait 337L ve 295L Genlerinin İfadesi ve Proteinlerinin Birbirleriyle Etkileşimi, Postgraduate, E.KÜÇÜK(Student), 2014  
DEMİR İ., Cydia pomonella Granülozisirüs (CpGV)'ün Cydia molesta'da Transkriptomal Analizi, Postgraduate, D.TOY(Student), 2013  
DEMİR İ., Mısır Koçan Kurdu (Sesamia nonagrioides Lef. Lepidoptera: Noctuidea)'nun Bakteriyal Mücadele Etmeneinin Araştırılması, Postgraduate, A.ESKİ(Student), 2013  
DEMİR İ., Dendroctonus micans (Kugelann)'tan izole edilen Beauveria bassiana (Balsamo)'nın Bazı Kabuk Böceklerinin Biyolojik Mücadelesinde Kullanılabilirliğinin Araştırılması, Postgraduate, S.KOCAÇEVİK(Student), 2012  
DEMİR İ., Trabzon Yöresinden Entomopatojen Nematodların İzolasyonu, Karakterizasyonu ve Melolontha melolontha Üzerindeki Etkilerinin Araştırılması, Postgraduate, Z.ERBAŞ(Student), 2012  
DEMİR İ., Gryllotalpa gryllotalpa'dan Entomopatojenik Fungusların İzolasyonu ve Karakterizasyonu, Postgraduate, E.SÖNMEZ(Student), 2012  
DEMİR İ., Arılardaki Protozoon Parazitlerin Belirlenmesinde Moleküler Tekniklerin Optimizasyonu, Postgraduate, H.BAYRAKTAR(Student), 2011  
DEMİR İ., Spodoptera littoralis'in Kültüre Edilebilir Bakteriyal Florasının Belirlenmesi ve Bakteriyal Mücadele Etmeneinin Araştırılması, Postgraduate, F.ÖZKAN(Student), 2011

- DEMİR İ., *Dendroctonus micans*'tan Entomopatogenik Fungusların İzolasyonu, Karakterizasyonu ve Mikrobiyal Mücadele Potansiyelinin Araştırılması, Postgraduate, E.TANYELİ(Student), 2011
- DEMİR İ., *Ostrinia nubilalis*'in Kültürü Edilebilir Bakteriyal Florasının Belirlenmesi ve Mikrobiyal Mücadele Etmeninin Araştırılması, Postgraduate, E.S.(Student), 2010
- DEMİR İ., *Malacosoma neustria* Orjinli *Bacillus thuringiensis*'e ait cry2ab Geninin Karakterizasyonu, Ekspresyonu ve İnsektisidal Aktivitesinin Araştırılması, Postgraduate, E.ERYÜZLÜ(Student), 2010
- DEMİR İ., *Malacosoma neustria* Nükleopolihedrovirüs (ManeNPV)'ün *Malacosoma disstria* Hücre Kültüründe In Vitro Replikasyonu ve Konak Spektrumunun Araştırılması, Postgraduate, N.GÜREL(Student), 2008

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

- I. **Isolation, Characterization, and Formulation of Indigenous *Beauveria bassiana* Fungus Against Colorado Potato Beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae)**  
YILDIRIM K., ESKİ A., Biryol S., Erdoğan P., DEMİR İ.  
Potato Research, vol.67, no.2, pp.583-601, 2024 (SCI-Expanded)
- II. **Entomopathogenic fungi with biological control potential against poultry red mite (*Dermanyssus gallinae*, Arachnida: Dermanyssidae)**  
Bayramoğlu M., BAYRAMOĞLU Z., AYDIN L., Zengin S. A., ÇIRAK V. Y., DEMİRBAĞ Z., DEMİR İ.  
Veterinary Parasitology, vol.328, 2024 (SCI-Expanded)
- III. **Isolation and identification of bacteria from the invasive pest *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae) and evaluation of their biocontrol potential**  
ESKİ A., Erdoğan P., DEMİRBAĞ Z., DEMİR İ.  
International Microbiology, vol.27, no.2, pp.631-643, 2024 (SCI-Expanded)
- IV. **Complete genome sequence analysis and genome organization of *Dasychira pudibunda* nucleopolyhedrovirus (DapuNPV-T1) from Turkey**  
Gencer D., BAYRAMOĞLU Z., DEMİR İ.  
Archives of Microbiology, vol.206, no.1, 2024 (SCI-Expanded)
- V. **Development of novel betabaculovirus (*HycuGV-Hc1*) as a biopesticide (*HycuGV-TR61*) and its efficacy on the fall webworm, *Hyphantria cunea* Drury (Lepidoptera: Erebidae) larvae**  
BAYRAMOĞLU Z., Gencer D., DEMİR İ.  
Egyptian Journal of Biological Pest Control, vol.33, no.1, 2023 (SCI-Expanded)
- VI. **Biological characteristics of a new entomopathogenic fungus detected in *Cydalima perspectalis* (Walker, 1859) (Lepidoptera: Crambidae)**  
BAYRAMOĞLU Z., DEMİR İ., GENCER D.  
NORTH-WESTERN JOURNAL OF ZOOLOGY, no.1, pp.11-16, 2023 (SCI-Expanded)
- VII. **Biological characteristics of a new entomopathogenic fungus detected in *Cydalima perspectalis* (Walker, 1859) (Lepidoptera: Crambidae)**  
BAYRAMOĞLU Z., DEMİR İ., Gencer D.  
North-Western Journal of Zoology, vol.19, no.1, pp.11-16, 2023 (SCI-Expanded)
- VIII. **An epizootic by a new nucleopolyhedrovirus variant on the Pale tussock larvae (Lepidoptera: Lymantriidae) in oriental beech forest**  
Gencer D., ESKİ A., Acici O., DEMİR İ.  
International Journal of Pest Management, 2023 (SCI-Expanded)
- IX. **Isolation and identification of a fungal pathogen, *Beauveria bassiana* (Bals.-Criv.) Vuill. (Ascomycota: Hypocreales) from the Hatay yellow strain of silkworm, *Bombyx mori* L., 1758 (Lepidoptera: Bombycidae) in Türkiye Türkiye'den Hatay sarısı ipekböceği ırkı, *Bombyx mori* L., 1758 (Lepidoptera: Bombycidae)'den bir fungal patojeni olan *Beauveria bassiana* (Bals.-Criv.) Vuill. (Ascomycota: Hypocreales)'nin izolasyonu ve tanımlanması**  
Gençer D., Ulaşlı B., Can F., DEMİR İ.  
Türkiye Entomoloji Dergisi, vol.47, no.2, pp.189-197, 2023 (SCI-Expanded)

- X. **Biocontrol of the western conifer seed bug, *Leptoglossus occidentalis* Heidemann (Heteroptera: Coreidae) using indigenous entomopathogenic fungi**  
ESKİ A., Biryol S., Acici O., DEMİR İ.  
Egyptian Journal of Biological Pest Control, vol.32, no.1, 2022 (SCI-Expanded)
- XI. **Stability of *Metarhizium anisopliae* (Hypocreales: Clavicipitaceae) isolates during repeated in vitro subculture and evaluation of an oil-in-water mycoinsecticide**  
Sonmez E., Uzunoglu H., Eski A., DEMİRBAĞ Z., DEMİR İ.  
CANADIAN ENTOMOLOGIST, vol.154, no.1, 2022 (SCI-Expanded)
- XII. **Development of *Beauveria bassiana* (Ascomycota: Hypocreales) as a mycoinsecticide to control green peach aphid, *Myzus persicae* (Homoptera: Aphididae) and investigation of its biocontrol potential**  
Biryol S., DEMİRBAĞ Z., Erdogan P., DEMİR İ.  
JOURNAL OF ASIA-PACIFIC ENTOMOLOGY, vol.25, no.1, 2022 (SCI-Expanded)
- XIII. **Effect of plant phenolic compounds on the hemocyte concentration and antioxidant enzyme activity in *Hyphantria cunea* (Drury, 1773) (Lepidoptera: Arctiidae) larvae infected by *Hyphantria cunea* granulovirus1 *Hyphantria cunea* granulovirus tarafından enfekte edilen *Hyphantria cunea* (Drury,1773) (Lepidoptera: Arctiidae) larvalarının hemosit konsantrasyonu ve antioksidan enzim aktivitelerine bitki fenolik bileşiklerinin etkisi**  
Yanar O., Topkara E. F., Mercan S., DEMİR İ., BAYRAMOĞLU Z.  
Turkiye Entomoloji Dergisi, vol.46, no.1, pp.37-49, 2022 (SCI-Expanded)
- XIV. **Evaluation of the Effectiveness of Entomopathogens for the Control of Colorado Potato Beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae)**  
ESKİ A., BAYRAMOĞLU Z., Sonmez E., Biryol S., DEMİR İ.  
Journal of Agricultural Science and Technology, vol.24, no.2, pp.393-405, 2022 (SCI-Expanded)
- XV. **Isolation and characterization of novel *Spodoptera exigua* nucleopolyhedrovirus strains in Turkey and their potential for use in biological control**  
GENCER D., BAYRAMOĞLU Z., MUTLU Ç., DEMİR İ.  
ACTA VIROLOGICA, vol.66, no.4, pp.360-368, 2022 (SCI-Expanded)
- XVI. **Development of mycoinsecticide formulations with *Beauveria bassiana* and *Metarhizium brunneum* for the control of *Orosanga japonica* (Hemiptera: Ricaniidae)**  
Biryol S., Güney E., Eski A., Bayramoğlu Z., Sezen K., Demirbağ Z., Demir İ.  
ANNALS OF APPLIED BIOLOGY, vol.179, no.3, pp.319-330, 2021 (SCI-Expanded)
- XVII. **Biodiversity and pathogenicity of entomopathogenic fungi associated with the lesser spruce sawfly, *Pristiphora abietina***  
Biryol S., Araz N., Eski A., Akturk R., Aksu Y., Celik Gokturk B., Bilgin L., DEMİR İ.  
ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA, vol.169, no.5, pp.414-423, 2021 (SCI-Expanded)
- XVIII. **Genome sequence analysis and organization of the *Hyphantria cunea* granulovirus (*HycuGV-Hc1*) from Turkey**  
Gencer D., Bayramoglu Z., NALÇACIOĞLU R., DEMİRBAĞ Z., DEMİR İ.  
GENOMICS, vol.112, no.1, pp.459-466, 2020 (SCI-Expanded)
- XIX. **Fungal pathogens of *Amphimallon solstitiale* Linnaeus, 1758 (Coleoptera: Scarabaeidae)**  
Biryol S., Efe D., Eski A., DEMİRBAĞ Z., DEMİR İ.  
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.44, no.3, pp.375-384, 2020 (SCI-Expanded)
- XX. **Insecticidal activities of wild type and recombinant invertebrate iridescent viruses on five common pests**  
Gencer D., Yesilyurt A., Gullu M., DEMİR İ., NALÇACIOĞLU R.  
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.44, no.3, pp.365-373, 2020 (SCI-Expanded)
- XXI. **Microencapsulation of an indigenous isolate of *Bacillus thuringiensis* by spray drying**  
Eski A., DEMİRBAĞ Z., DEMİR İ.

JOURNAL OF MICROENCAPSULATION, vol.36, no.1, pp.1-9, 2019 (SCI-Expanded)

- XXII. **Characterization of a novel baculovirus isolate from *Malacosoma neustria* (Linnaeus, 1758) (Lepidoptera: Lasiocampidae) in Samsun and its pathogenicity in different hosts**  
Gencer D., YANAR O., Yesilyurt A., NALÇACIOĞLU R., DEMİR İ.  
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.43, no.4, pp.429-440, 2019 (SCI-Expanded)
- XXIII. **Improvement of delta-endotoxin production from local *Bacillus thuringiensis* Se13 using Taguchi's orthogonal array methodology**  
ESKİ A., DEMİRBAĞ Z., DEMİR İ.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKİMYA DERGİSİ, vol.43, no.6, pp.662-670, 2018 (SCI-Expanded)
- XXIV. **Complete genome sequence analysis of the *Malacosoma neustria* nucleopolyhedrovirus from Turkey**  
Gencer D., NALÇACIOĞLU R., DEMİRBAĞ Z., DEMİR İ.  
VIRUS GENES, vol.54, no.5, pp.706-718, 2018 (SCI-Expanded)
- XXV. **Biodiversity and pathogenicity of bacteria associated with the gut microbiota of beet armyworm, *Spodoptera exigua* Hubner (Lepidoptera: Noctuidae)**  
ESKİ A., DEMİR İ., GULLU M., DEMİRBAĞ Z.  
MICROBIAL PATHOGENESIS, vol.121, pp.350-358, 2018 (SCI-Expanded)
- XXVI. **A novel alphabaculovirus isolated from the cotton bollworm, *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae): characterization and pathogenicity**  
EROĞLU G. B., DEMİR İ., DEMİRBAĞ Z.  
BIOLOGIA, vol.73, no.5, pp.545-551, 2018 (SCI-Expanded)
- XXVII. **Determination of fungal pathogens of *Hypera postica* (Gyllenhal) (Coleoptera: Curculionidae): isolation, characterization, and susceptibility**  
YÜCEL B., Gozuacik C., Gencer D., DEMİR İ., DEMİRBAĞ Z.  
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.28, 2018 (SCI-Expanded)
- XXVIII. **Efficacy of native entomopathogenic nematodes from Turkey against the alder leaf beetle, *Agelastica alni* L. (Coleoptera: Chrysomelidae), under laboratory conditions**  
BAYRAMOĞLU Z., DEMİR İ., İNAN C., DEMİRBAĞ Z.  
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.28, 2018 (SCI-Expanded)
- XXIX. **Characterization of a Betabaculovirus from the fall webworm, *Hyphantria cunea* Drury. (Lepidoptera: Erebidae), in Turkey**  
BAYRAMOĞLU Z., NALÇACIOĞLU R., DEMİRBAĞ Z., DEMİR İ.  
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.28, no.12, pp.1178-1190, 2018 (SCI-Expanded)
- XXX. **Characterisation of three Alphabaculovirus isolates from the gypsy moth, *Lymantria dispar dispar* (Lepidoptera: Erebidae), in Turkey**  
Gencer D., BAYRAMOĞLU Z., NALÇACIOĞLU R., Kleespies R. G., DEMİRBAĞ Z., DEMİR İ.  
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.28, no.2, pp.107-121, 2018 (SCI-Expanded)
- XXXI. **Characterization of a nucleopolyhedrovirus variant of the gypsy moth, *Lymantria dispar* (Lepidoptera: Lymantriidae) in Turkey**  
BAYRAMOĞLU Z., Gencer D., MURATOĞLU H., Efe D., NALÇACIOĞLU R., DEMİRBAĞ Z., DEMİR İ.  
INTERNATIONAL JOURNAL OF PEST MANAGEMENT, vol.64, no.2, pp.119-127, 2018 (SCI-Expanded)
- XXXII. **Efficacy of Entomopathogenic Fungi against the Alder Leaf Beetle *Agelastica alni* (L.) (Coleoptera: Chrysomelidae)**  
SONMEZ E., Kocaçevik S., Sevim A., DEMİRBAĞ Z., DEMİR İ.  
ACTA ZOOLOGICA BULGARICA, vol.69, no.4, pp.575-581, 2017 (SCI-Expanded)
- XXXIII. **A new biopesticide from a local *Bacillus thuringiensis* var. *tenebrionis* (Xd3) against alder leaf beetle (Coleoptera: Chrysomelidae)**  
Eski A., DEMİR İ., SEZEN K., DEMİRBAĞ Z.  
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.33, no.5, 2017 (SCI-Expanded)
- XXXIV. **The effect of plant quality on survival of *Lymantria dispar* L. (Lepidoptera: Lymantridae) larvae infected by nucleopolyhedrovirus**

- YANAR O., GÖMEÇ S., TOPKARA E. F., DEMİR İ., DEMİRBAĞ Z.  
JOURNAL OF THE ENTOMOLOGICAL RESEARCH SOCIETY, vol.19, pp.37-48, 2017 (SCI-Expanded)
- XXXV. **THE EFFECT OF PLANT QUALITY ON SURVIVAL OF LYMANTRIA DISPAR (LEPIDOPTERA: LYMANTRIIDAE) LARVAE INFECTED BY BACILLUS THURINGIENSIS BERLINER SUBSP KURSTAKI**  
Yanar O., Gomec S., Topkara E. F., Solmaz G., DEMİR İ.  
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.15, no.3, pp.837-847, 2017 (SCI-Expanded)
- XXXVI. **Pine processionary moth (*Thaumetopoea pityocampa*, Lepidoptera: Thaumetopoeidae) larvae are highly susceptible to the entomopathogenic fungi *Metarhizium brunneum* and *Beauveria bassiana***  
SONMEZ E., DEMİR İ., Bull J. C., Butt T. M., DEMİRBAĞ Z.  
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.27, no.10, pp.1168-1179, 2017 (SCI-Expanded)
- XXXVII. **Microbial Control Potential of some Entomopathogenic Agents against the European Grapevine Moth, *Lobesia botrana* Schiff. (Lepidoptera: Tortricidae)**  
Gholizad L. M., DEMİR İ., NALÇACIOĞLU R., DEMİRBAĞ Z.  
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.27, no.1, pp.35-39, 2017 (SCI-Expanded)
- XXXVIII. **Isolation, characterization and virulence of entomopathogenic fungi from *Gryllotalpa gryllotalpa* (Orthoptera: Gryllotalpidae)**  
SONMEZ E., Sevim A., DEMİRBAĞ Z., DEMİR İ.  
APPLIED ENTOMOLOGY AND ZOOLOGY, vol.51, no.2, pp.213-223, 2016 (SCI-Expanded)
- XXXIX. **Virulence and horizontal transmission of *Beauveria pseudobassiana* SA Rehner & Humber in *Ips sexdentatus* and *Ips typographus* (Coleoptera: Curculionidae)**  
Kocaçevik S., Sevim A., EROĞLU M., DEMİRBAĞ Z., DEMİR İ.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.2, pp.241-248, 2016 (SCI-Expanded)
- XL. **Pathogenicity of selected entomopathogenic fungal isolates against the oak lace bug, *Corythucha arcuata* Say. (Hemiptera: Tingidae), under controlled conditions**  
SONMEZ E., DEMİRBAĞ Z., DEMİR İ.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.5, pp.715-722, 2016 (SCI-Expanded)
- XLI. **Molecular characterization, virulence and horizontal transmission of *Beauveria pseudobassiana* from *Dendroctonus micans* (Kug.) (Coleoptera: Curculionidae)**  
Kocacevik S., Sevim A., Eroglu M., Demirbag Z., Demir I.  
JOURNAL OF APPLIED ENTOMOLOGY, vol.139, no.5, pp.381-389, 2015 (SCI-Expanded)
- XLII. **A new entomopathogenic nematode species from Turkey, *Steinernema websteri* (Rhabditida: Steinernematidae), and its virulence**  
GÖKÇE C., ERBAŞ Z., Yilmaz H., DEMİRBAĞ Z., DEMİR İ.  
TURKISH JOURNAL OF BIOLOGY, vol.39, no.1, pp.167-174, 2015 (SCI-Expanded)
- XLIII. **Highly effective bacterial agents against *Cimbex quadrimaculatus* (Hymenoptera: Cimbicidae): isolation of bacteria and their insecticidal activities**  
CAKICI F. O., Ozgen I., Bolu H., ERBAŞ Z., DEMİRBAĞ Z., DEMİR İ.  
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.31, no.1, pp.59-67, 2015 (SCI-Expanded)
- XLIV. **Cloning and expression of chitinase A, B, and C (*chiA*, *chiB*, *chiC*) genes from *Serratia marcescens* originating from *Helicoverpa armigera* and determining their activities**  
DANIŞMAZOĞLU M., DEMİR İ., SEZEN K., MURATOĞLU H., NALÇACIOĞLU R.  
TURKISH JOURNAL OF BIOLOGY, vol.39, no.1, pp.78-87, 2015 (SCI-Expanded)
- XLV. **Identification and pathogenicity of bacteria from Mediterranean corn borer, *Sesamia nonagrioides* Lefèbvre, (Lepidoptera: Noctuidae)**  
ESKİ A., ÖZKAN ÇAKICI F., GÜLLÜ M., MURATOĞLU H., DEMİRBAĞ Z., DEMİR İ.  
TURKISH JOURNAL OF BIOLOGY, vol.39, pp.31-48, 2015 (SCI-Expanded)
- XLVI. **Bacterial isolates from *Palomena prasina* (Hemiptera: Pentatomidae) include potential microbial control agents**  
ÖZŞAHİN E., SEZEN K., DEMİR İ., DEMİRBAĞ Z.  
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.24, no.9, pp.1039-1051, 2014 (SCI-Expanded)
- XLVII. **Isolation and identification of entomopathogenic nematodes (Nematoda: Rhabditida) from the**

**Eastern Black Sea region and their biocontrol potential against *Melolontha melolontha* (Coleoptera: Scarabaeidae) larvae**

ERBAŞ Z., GÖKÇE C., Hazır S., DEMİRBAĞ Z., DEMİR İ.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.38, no.2, pp.187-197, 2014 (SCI-Expanded)

**XLVIII. A highly effective nucleopolyhedrovirus against *Malacosoma* spp. (Lepidoptera: Lasiocampidae) from Turkey: isolation, characterization, phylogeny, and virulence**

DEMİR İ., NALÇACIOĞLU R., Gholizad L. M., DEMİRBAĞ Z.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.38, no.4, pp.462-470, 2014 (SCI-Expanded)

**XLIX. Investigating internal bacteria of *Spodoptera littoralis* (Boisd.) (Lepidoptera: Noctuidae) larvae and some *Bacillus* strains as biocontrol agents**

Cakici F. O., Sevim A., DEMİRBAĞ Z., DEMİR İ.

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4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.47
- XCIII. **Virulence of some entomopathogenic bacteria against Chrysomelidae, Colorado potato beetle**

**(Leptinotarsa decemlineata L.) and Alder leaf beetle Agelastica alni L.)**

ESKİ A., DEMİRBAĞ Z., DEMİR İ.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.87

- XCIV. Entomopathogenic Nematodes Steinernematidae And Heterorhabditidae Efficacy Against Leptinotarsa Decemlineata L Coleoptera Chrysomelidae And Agelastica Alni L Coleoptera Chrysomelidae**

ERBAŞ Z., DEMİRBAĞ Z., DEMİR İ.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.54

- XCIV. Metarhizium anisopliae: A promising fungal agent against Gryllotalpa gryllotalpa L. (Orthoptera: Gryllotalpidae)**

SÖNMEZ E., SEVİM A., DEMİRBAĞ Z., DEMİR İ.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.88

- XCVI. Development Of New Bio Insecticide For Controlling Lepidopteran Pests**

SEZEN K., NALÇACIOĞLU R., DEMİR İ., TEPE H., YILDIZ İ., DEMİRBAĞ Z.

4th International Entomopathogens and Microbial Control Symposium, 11 - 14 September 2013

- XCVII. Investigations on bacteria as a potential biological control agents on corn stalk borer, Sesamia nonagrioides (Lef.) Lepidoptera: Noctuidae)**

ESKİ A., GÜLLÜ M., ÖZKAN ÇAKICI F., DEMİRBAĞ Z., DEMİR İ.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.38

- XCVIII. Isolation and characterization of a parasitic nematode, Oscheius myriophila (Nematoda: Rhabditida), associated with European mole cricket, Gryllotalpa gryllotalpa (Orthoptera: Gryllotalpidae)**

ERBAŞ Z., DEMİRBAĞ Z., DEMİR İ.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.51

- XCIX. Pathogenicity of Beauveria pseudobassiana from Dendroctonus micans Kugel. (Coleoptera: Scolytidae) against Rhizophagus grandis gyll. (Coleoptera: Rhizophagidae)**

KOCAÇEVİK S., SEVİM A., DEMİRBAĞ Z., EROĞLU M., DEMİR İ.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.58

- C. Highly effective bacterial agents against Cimex quadrimaculatus (Hymenoptera: Cimbicidae): Isolation of bacteria and their insecticidal activities**

DEMİR İ., ÖZKAN ÇAKICI F., BOLU H., ÖZGEN İ., ERBAŞ Z., DEMİRBAĞ Z.

4th International Entomopathogens and Microbial Control Symposium, Artvin, Turkey, 11 - 14 September 2013, pp.56

- CI. Highly effective Beauveria pseudobassiana atrain (Dm-5) against the great spruce bark beetle, Dendroctonus micans (Kugelann) (Coleoptera: Scolytidae)**

DEMİR İ., KOCAÇEVİK S., SEVİM A., EROĞLU M., DEMİRBAĞ Z.

14th Meeting of the IOBC/WPRS Working Group, Insect Pathogens and Entomoparasitic Nematodes, Zagreb, Croatia, 16 - 20 June 2013, pp.102

- CII. Development Of A New Bio-Insecticide For Controlling Lepidopteran Pests**

SEZEN K., NALÇACIOĞLU R., DEMİR İ., TEPE H., YILDIZ İ., DEMİRBAĞ Z.

14th Meeting of the IOBC/WPRS Working Group, Insect Pathogens and Entomoparasitic Nematodes,, Zagreb, Croatia, 16 - 20 June 2013, pp.331

- CIII. Organik tarımda entomopatojen fungusların önemi**

DEMİR İ.

8. Moleküler Biyoteknoloji Bahar Okulu, Trabzon, Turkey, 19 - 22 April 2013, pp.1

- CIV. Isolation, characterization and virulence of entomopathogenic fungi from Dendroctonus micans**

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## **Memberships / Tasks in Scientific Organizations**

Türkiye Entomoloji Derneği, Member, 2007 - Continues  
Türkiye Biyolojik Mücadele Derneği, Member, 2007 - Continues  
The Society of Invertebrate Pathology, Member, 2007 - Continues  
Biyoteknoloji Derneği, Member, 2006 - Continues

## **Scientific Refereeing**

Turkish Journal of Agriculture and Forestry, SCI Journal, November 2016  
Journal of Applied Entomology, SCI Journal, June 2016  
Turkish Journal of Zoology, SCI Journal, March 2016  
TUBITAK Project, April 2015  
Turkish Journal of Biological Control, National Scientific Refreed Journal, February 2015  
Turkish Journal of Biology , SCI Journal, January 2015  
TUBITAK Project, November 2014  
TUBITAK Project, November 2014  
Turkish Journal of Agriculture and Forestry, SCI Journal, October 2014  
Turkish Journal of Agriculture and Forestry, SCI Journal, August 2014  
Turkish Journal of Agriculture and Forestry, SCI Journal, July 2014  
TUBITAK Project, July 2014  
TUBITAK Project, May 2014  
Turkish Journal of Agriculture and Forestry, SCI Journal, April 2014  
Biochemical Systematics and Ecology, SCI Journal, April 2014  
TUBITAK Project, April 2014  
Bitki Koruma Bülteni, National Scientific Refreed Journal, March 2014  
TUBITAK Project, January 2014  
TUBITAK Project, December 2013  
TUBITAK Project, December 2013  
Turkish Journal of Agriculture and Forestry, SCI Journal, November 2013  
Project Supported by Higher Education Institutions, November 2013  
Turkish Journal of Biological Control, National Scientific Refreed Journal, October 2013  
Turkish Journal of Biological Control, National Scientific Refreed Journal, June 2013



Turkish Journal of Agriculture and Forestry, SCI Journal, May 2013  
Turkish Journal of Biological Control, National Scientific Refreed Journal, March 2013  
Project Supported by Higher Education Institutions, September 2012  
Journal of Applied Microbiology, SCI Journal, July 2012  
BioControl, SCI Journal, May 2012  
African Journal of Biotechnology , SCI Journal, July 2011  
African Journal of Biotechnology , SCI Journal, July 2011  
Project Supported by Higher Education Institutions, March 2011  
Turkish Journal of Agriculture and Forestry, SCI Journal, February 2011  
Turkish Journal of Biology , SCI Journal, September 2010  
Project Supported by Higher Education Institutions, April 2010  
Turkish Journal of Agriculture and Forestry, SCI Journal, March 2010  
Project Supported by Higher Education Institutions, March 2010  
African Journal of Biotechnology , SCI Journal, May 2009  
Turkish Journal of Biological Control, National Scientific Refreed Journal, April 2009  
African Journal of Biotechnology , SCI Journal, February 2009  
TUBITAK Project, December 2008

## Scientific Consultations

T.C. ORMAN GENEL MÜDÜRLÜĞÜ Doğu Karadeniz Ormanlık Araştırma Enstitüsü Müdürlüğü, Project Consultancy, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey, 2015 - Continues

## Metrics

Publication: 273  
Citation (WoS): 889  
Citation (Scopus): 871  
H-Index (WoS): 20  
H-Index (Scopus): 20

## Congress and Symposium Activities

Türkiye VII. Bitki Koruma Kongresi (Uluslararası Katılımlı), Attendee, Muğla, Turkey, 2018  
International Agricultural, Biological & Life Science Conference, Attendee, Edirne, Turkey, 2018  
International Ecology 2018 Symposium, Attendee, Kastamonu, Turkey, 2018  
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Attendee, Eskişehir, Turkey, 2017  
6th Entomopatogens and Microbial Control Congress, Attendee, Tokat, Turkey, 2017  
IX. International Congress on Hazelnut, Attendee, Samsun, Turkey, 2017  
16th Meeting of the IOBC-WPRS Working Group, Attendee, Tbilisi, Georgia, 2017  
Uluslararası Katılımlı Türkiye VI. Bitki Koruma Kongresi, Attendee, Konya, Turkey, 2016  
Symposium on EuroAsian Biodiversity, Attendee, Antalya, Turkey, 2016  
5th Entomopatogens and Microbial Control Congress, Attendee, Ankara, Turkey, 2015  
New Challenges for Biological Control, 15th Meeting of the IOBC/WPRS WG, Microbial and Nematode Control of Invertebrate Pests, Attendee, Rīga, Latvia, 2015  
International conference on biopesticides, Attendee, Antalya, Turkey, 2014  
22. Ulusal Biyoloji Kongresi, Attendee, Eskişehir, Turkey, 2014  
22. Ulusal Biyoloji Kongresi, Session Moderator, Eskişehir, Turkey, 2014

Türkiye II. Orman Entomolojisi ve Patolojisi Sempozyumu, Attendee, Antalya, Turkey, 2014  
Türkiye V. Bitki Koruma Kongresi, Attendee, Antalya, Turkey, 2014  
4th International Entomopathogens and Microbial Control Symposium, Attendee, Artvin, Turkey, 2013  
4th International Entomopathogens and Microbial Control Symposium, Invited Speaker, Artvin, Turkey, 2013  
14th Meeting of the IOBC/WPRS Working Group, Insect Pathogens and Entomoparasitic Nematodes, Attendee, Zagreb, Croatia, 2013  
8. Moleküler Biyoteknoloji Bahar Okulu, Attendee, Trabzon, Turkey, 2013  
8. Moleküler Biyoteknoloji Bahar Okulu, Invited Speaker, Trabzon, Turkey, 2013  
The First International Biology Congress in Kyrgyzstan, Attendee, Bishkek, Kyrgyzstan, 2012  
The First International Biology Congress in Kyrgyzstan, Session Moderator, Bishkek, Kyrgyzstan, 2012  
21. Ulusal Biyoloji Kongresi, Attendee, İzmir, Turkey, 2012  
Türkiye I. Orman Entomolojisi ve Patolojisi Sempozyumu, Attendee, Antalya, Turkey, 2011  
III. International Entomopathogens and Microbial Control Symposium, Attendee, İstanbul, Turkey, 2011  
Türkiye IV. Bitki Koruma Kongresi, Attendee, K.Maraş, Turkey, 2011  
43th Annual Meeting of Society for Invertebrate Pathology, Attendee, Trabzon, Turkey, 2010  
Second International Participated Entomopathogen and Microbial Control Symposium, Attendee, Muğla, Turkey, 2009  
Türkiye III. Bitki Koruma Kongresi, Attendee, Van, Turkey, 2009  
19. Ulusal Biyoloji Kongresi, Attendee, Trabzon, Turkey, 2008  
XV. Ulusal Biyoteknoloji Kongresi, Attendee, Antalya, Turkey, 2007  
Türkiye II. Bitki Koruma Kongresi, Attendee, Isparta, Turkey, 2007  
Entomopatojenler ve Mikrobiyal Mücadele Sempozyumu, Attendee, Trabzon, Turkey, 2007  
XVIII. Ulusal Biyoloji Kongresi, Attendee, Aydın, Turkey, 2006  
XIV. Biyoteknoloji Kongresi, Attendee, Eskişehir, Turkey, 2005  
XVII. Ulusal Biyoloji Kongresi, Attendee, Adana, Turkey, 2004  
XIII. Biyoteknoloji Kongresi, Attendee, Çanakkale, Turkey, 2003  
Türkiye 5. Biyolojik Mücadele Kongresi, Attendee, Erzurum, Turkey, 2002  
1st Eurasian Congress on Molecular Biotechnology, Attendee, Trabzon, Turkey, 2001  
XI. KÜKEM-Biyoteknoloji Kongresi, Attendee, Isparta, Turkey, 1999  
7th European Meeting of the IOBC/WPRS Working Group, Attendee, Wien, Austria, 1999  
III. Ulusal Biyoteknoloji Sempozyumu, Attendee, Eskişehir, Turkey, 1998  
Proceeding of 1st International Workshop on "Environmental Quality and Environmental Engineering in the Middle East Region", Attendee, Konya, Turkey, 1998  
10. KÜKEM Kongresi, Attendee, Mersin, Turkey, 1997  
9. KÜKEM Kongresi, Attendee, Denizli, Turkey, 1995

## **Non Academic Experience**

KTU, Fen Fakültesi, Biyoloji Bölümü

KTU, Fen Edebiyat Fakültesi, Biyoloji Bölümü

KTU, Fen Edebiyat Fakültesi, Biyoloji Bölümü

KTU, Fen Edebiyat Fakültesi, Biyoloji Bölümü