

Assoc. Prof. HACER MURATOĞLU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAS-4196-2020

ScopusID: 24476358000

Yoksis Researcher ID: 59048

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Biyoloji, Turkey 2003 - 2010

Undergraduate, Karadeniz Technical University, Fen-Edebiyat, Biyoloji, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, AMSACTA MOOREI ENTOMOPOKSVİRÜS PROTEİN KİNAZ GENİNİN KARAKTERİZASYONU VE FONKSİYONEL ANALİZİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji Bölümü, 2010

Research Areas

Life Sciences, Microbiology, Virology, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2017 - Continues

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2012 - 2017

Academic and Administrative Experience

Deputy Head of Department, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2017 - 2021

Head of Department, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2012 - 2017

Deputy Head of Department, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2012 - 2014

Advising Theses

MURATOĞLU H., Amsacta moorei entomopoxvirus (AMEV) Muhtemel Kaspaz ORF'sinin (AMV063) Fonksiyonel Analizi, Postgraduate, F.BİLGİLİ (Student), 2020

Jury Memberships

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2020
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2020
Post Graduate, Funda BİLGİLİ Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, January, 2020
Doctorate, Dönüş GENÇER Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, January, 2019
Doctorate, Ardahan ESKİ Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, June, 2018
Doctorate, Zeynep BAYRAMOĞLU Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, May, 2018
Doctorate, Mehtap YAKUPOĞLU Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, December, 2016
Doctorate, Cihan İNAN Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, December, 2016
Doctorate, Emine SÖNMEZ Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, September, 2016
Doctorate, Arzu ÖZGEN Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, September, 2015
Doctorate, Emine ÖZŞAHİN Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, February, 2015
Doctorate, Yeşim AKTÜRK DİZMAN Doktora Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, September, 2014
Post Graduate, Eray KÜÇÜK Tez savunma Jürisi, Karadeniz Teknik Üniversitesi, May, 2014
Post Graduate, Aydın YEŞİLYURT Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, May, 2014
Post Graduate, Duygu BEKİRCAN Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, June, 2013
Post Graduate, İslam YILDIZ Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, March, 2013
Post Graduate, Meriç DEMELİ Tez Savunma Jürisi, Karadeniz Teknik Üniversitesi, August, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Identification of the potential matrix protein of invertebrate iridescent virus 6 (IIV6)**
Gencer D., Yesilyurt A., Ozsahin E., MURATOĞLU H., Acar Yazici Z., DEMİRBAĞ Z., NALÇACIOĞLU R.
Journal of Invertebrate Pathology, vol.197, 2023 (SCI-Expanded)
- II. **Enzymatic and insecticidal activities of the Amsacta moorei entomopoxvirus glycosyltransferase, AMV248**
Gencer D., İNAN C., DEMİRBAĞ Z., MURATOĞLU H.
ANNALS OF APPLIED BIOLOGY, vol.182, no.2, pp.238-244, 2023 (SCI-Expanded)
- III. **Chilo iridescent virus encodes two functional metalloproteases**
YEŞİLYURT A., MURATOĞLU H., DEMİRBAĞ Z., NALÇACIOĞLU R.
ARCHIVES OF VIROLOGY, vol.705, pp.1-9, 2018 (SCI-Expanded)
- IV. **Amsacta moorei entomopoxvirus encodes a functional heparin-binding glycosyltransferase (AMV248)**
İNAN C., MURATOĞLU H., Arif B. M., DEMİRBAĞ Z.
VIRUS GENES, vol.54, no.3, pp.438-445, 2018 (SCI-Expanded)
- V. **The protein-protein interactions between Amsacta moorei entomopoxvirus (AMEV) protein kinases (PKs) and all viral proteins**
DANIŞMAZOĞLU M., NALÇACIOĞLU R., Muratoglu H., DEMİRBAĞ Z.
VIRUS RESEARCH, vol.248, pp.31-38, 2018 (SCI-Expanded)
- VI. **Transcriptional analysis of the putative glycosyltransferase gene (amv248) of the Amsacta moorei entomopoxvirus**
İNAN C., MURATOĞLU H., ARIF B. M., DEMİRBAĞ Z.
VIRUS RESEARCH, vol.243, pp.25-30, 2018 (SCI-Expanded)

- VII. **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)
- VIII. **Chilo iridescent virus (CIV) ORF 012L encodes a protein with both exonuclease and endonuclease functions**
DIZMAN Y. A., MURATOĞLU H., Sandalli C., NALÇACIOĞLU R., DEMİRBAĞ Z.
ARCHIVES OF VIROLOGY, vol.161, no.11, pp.3029-3037, 2016 (SCI-Expanded)
- IX. **Enhanced insecticidal activity of Chilo iridescent virus expressing an insect specific neurotoxin**
NALÇACIOĞLU R., MURATOĞLU H., YEŞİLYURT A., van Oers M. M., VLAK J. M., DEMİRBAĞ Z.
JOURNAL OF INVERTEBRATE PATHOLOGY, vol.138, pp.104-111, 2016 (SCI-Expanded)
- X. **Genome-wide analysis of differential mRNA expression of Amsacta moorei entomopoxvirus, mediated by the gene encoding a viral protein kinase (AMV197)**
MURATOĞLU H., NALÇACIOĞLU R., ARIF B. M., DEMİRBAĞ Z.
VIRUS RESEARCH, vol.215, pp.25-36, 2016 (SCI-Expanded)
- XI. **In Search of Pathogens: Transcriptome-Based Identification of Viral Sequences from the Pine Processionary Moth (*Thaumetopoea pityocampa*)**
Jakubowska A. K., NALÇACIOĞLU R., Millán-Leiva A., Sanz-Carbonell A., MURATOĞLU H., Herrero S., DEMİRBAĞ Z.
VIRUSES-BASEL, vol.7, no.2, pp.456-479, 2015 (SCI-Expanded)
- XII. **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, pp.78-87, 2015 (SCI-Expanded)
- XIII. **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)
- XIV. **Construction and characterization of a recombinant invertebrate iridovirus**
ÖZGEN A., MURATOĞLU H., DEMİRBAĞ Z., VLAK J. M., van Oers M. M., NALÇACIOĞLU R.
VIRUS RESEARCH, vol.189, pp.286-292, 2014 (SCI-Expanded)
- XV. **The first investigation of the diversity of bacteria associated with *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae)**
MURATOĞLU H., DEMİRBAĞ Z., SEZEN K.
BIOLOGIA, vol.66, no.2, pp.288-293, 2011 (SCI-Expanded)
- XVI. **Determination and pathogenicity of the bacterial flora associated with the spruce bark beetle, *Ips typographus* (L.) (Coleoptera: Curculionidae: Scolytinae)**
MURATOĞLU H., SEZEN K., DEMİRBAĞ Z.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.1, pp.9-20, 2011 (SCI-Expanded)
- XVII. **An entomopathogenic bacterium, *Pseudomonas putida*, from *Leptinotarsa decemlineata***
MURATOĞLU H., DEMİRBAĞ Z., SEZEN K.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.3, pp.275-282, 2011 (SCI-Expanded)
- XVIII. **Transcriptional and structural analyses of *Amsacta moorei* entomopoxvirus protein kinase gene (AMV197, pk)**
MURATOĞLU H., NALÇACIOĞLU R., DEMİRBAĞ Z.
ANNALS OF MICROBIOLOGY, vol.60, no.3, pp.523-530, 2010 (SCI-Expanded)
- XIX. **Characterisation and toxicity of *Bacillus thuringiensis* strains from hazelnut pests and fields**
SEZEN K., Kati H., MURATOĞLU H., DEMİRBAĞ Z.
PEST MANAGEMENT SCIENCE, vol.66, no.5, pp.543-548, 2010 (SCI-Expanded)
- XX. **High insecticidal activity of *Leclercia adecarboxylata* isolated from *Leptinotarsa decemlineata* (Col.: Chrysomelidae)**
MURATOĞLU H., KATI H., DEMİRBAĞ Z., SEZEN K.

AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.24, pp.7111-7115, 2009 (SCI-Expanded)

- XXI. **Identification and pathogenicity of bacteria from european shot-hole borer, *Xyleborus dispar* Fabricus (Coleoptera: Scolytidae)**

SEZEN K., KATI H., NALÇACIOĞLU R., MURATOĞLU H., DEMİRBAĞ Z.

ANNALS OF MICROBIOLOGY, vol.58, no.2, pp.173-179, 2008 (SCI-Expanded)

- XXII. **Highly pathogenic *Bacillus thuringiensis* subsp. *tenebrionis* from European shot-hole borer, *Xyleborus dispar* (Coleoptera : Scolytidae)**

SEZEN K., Muratoglu H., NALÇACIOĞLU R., Mert D., DEMİRBAĞ Z., Kati H.

NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.36, no.1, pp.77-84, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Identification and pathogenicity of bacteria from *Gryllotalpa gryllotalpa* L. (Orthoptera: Gryllotalpidae)**

SEZEN K., İŞÇİ Ş., MURATOĞLU H., İNAN K., DEMİRBAĞ Z.

TÜRKİYE BİYOLOJİK MÜCADELE DERGİSİ, vol.4, pp.89-108, 2013 (Peer-Reviewed Journal)

Supported Projects

MURATOĞLU H., DEMİRBAĞ Z., TUBITAK Project, Amsacta moorei entomopoxvirus (AMEV) Protein Kinazı (AMV197)'nin Fosforilleştiği Konak Hücre Proteinlerinin Belirlenmesi, Continues

NALÇACIOĞLU R., DEMİRBAĞ Z., MURATOĞLU H., TUBITAK Project, Iridovirüs Potansiyel Matriks Proteininin (415R) fonksiyonel analizi, Continues

MURATOĞLU H., ÇAĞIRGAN A. A., Project Supported by Higher Education Institutions, Kronik Arı Felci Virüsüne (CBPV) Karşı Aşı Geliştirilmesinin Araştırılması, 2018 - 2023

MURATOĞLU H., BİLGİLİ F., Project Supported by Higher Education Institutions, AMSACTA MOOREI ENTOMOPOXVIRUS (AMEV) MUHTEMEL KASPAZ ORF'SİNİN (AMV063) FONKSİYONEL ANALİZİ, 2018 - 2020

NALÇACIOĞLU R., MURATOĞLU H., YEŞİLYURT A., AKSU Ç., Project Supported by Higher Education Institutions, Iridovirüs İridoptin Geninin (389L) Bakulovirüs Ekspresyon Vektör Sisteminde İfade Edilmesi, 2018 - 2020

MURATOĞLU H., TUBITAK Project, Amsacta moorei entomopoxvirus (AMEV) Konak Tutunma Proteininin Glikozil Transferaz Aktivitesinin ve İnsektisidal Etkisinin Araştırılması, 2018 - 2019

Oğuzoğlu T. Ç., Pekcan M., Akça Y., Yılmaz E., Muratoğlu H., TUBITAK Project, Türkiye Orijinli Pestiviral Rekombinant Proteinlere Karşı BVDV Enfeksiyonunun Tanısı Amaçlı Monoklonal Antikor Üretimi, 2015 - 2018

MURATOĞLU H., Project Supported by Higher Education Institutions, Amsacta moorei Entomopoksvirüs (AMEV)'ün genomundan silinen iki protein kinazının, virüsün doğal konağı üzerindeki etkilerinin araştırılması, 2013 - 2017

Nalçacioğlu R., Muratoğlu H., TUBITAK Project, Amsacta moorei entomopoksvirüs (AMEV) Protein Kinazlarının Birbirleriyle ve Diğer Virüs Proteinleriyle Etkileşimlerinin Belirlenmesi, 2013 - 2017

Sağlam A., Muratoğlu H., TUBITAK Project, Prolinin Bitkilerin Bor Stresine Tolerans Mekanizmasındaki Rolü, 2014 - 2016

Demirbağ Z., Muratoğlu H., TUBITAK Project, Amsacta Moorei Entomopoksvirüs'ün Konağa Tutunma Mekanizmasının Aydınlatılması, 2013 - 2016

Demirbağ Z., Nalçacioğlu R., Muratoğlu H., Arif B., TUBITAK Project, Amsacta Moorei Entomopoksvirüs Serin/Treonin Protein Kinaz Geninin İşlevsel Ve Regülasyonel Analizi, 2011 - 2013

Demirbağ Z., Nalçacioğlu R., Muratoğlu H., TUBITAK Project, Amsacta moorei Entomopoksvirüs Protein Kinaz Geninin Karakterizasyonu ve Fonksiyonel Analizi, 2006 - 2009

Demirbağ Z., Kati H., Muratoğlu H., Bahar A. A., Project Supported by Higher Education Institutions, Coleoptera Grubu Fındık Zararlılarından İzole edilen Bakteriyal Patojenlerin Moleküler analizleri, 2004 - 2008

Scientific Refereeing

Project Supported by Higher Education Institutions, January 2019

Turkish Journal of Botany, National Scientific Refreed Journal, October 2018

Project Supported by Higher Education Institutions, March 2016

Turkish Journal of Biology, SCI Journal, April 2014

Turkish Journal of Agriculture and Forestry, SCI Journal, July 2013

Metrics

Publication: 76

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