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Education Information

Doctorate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 1998 - 2003

Postgraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 1996 - 1998

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Chilo iridescent virüs'ün Bombyx mori hücre kültüründe replikasyonu ve dnapol ile mcp genlerinin transkripsiyonal analizi, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2003

Research Areas

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

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2017 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Comparison of the potential activities of viral and bacterial chitinases**
Abulikemu S., Yesilyurt A., Gencer D., Usta M., NALÇACIOĞLU R.
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.31, no.1, 2021 (Journal Indexed in SCI)
- II. **Conserved motifs in the invertebrate iridescent virus 6 (IIV6) genome regulate virus transcription.**
Yesilyurt A., Demirbag Z., van O., Nalcacioglu R.
Journal of invertebrate pathology, vol.177, pp.107496, 2020 (Journal Indexed in SCI)
- III. **Genome sequence analysis of a Helicoverpa armigera single nucleopolyhedrovirus (HearNPV-TR)**

isolated from *Heliothis peltigera* in Turkey

Eroglu G. B. , İNAN C., NALÇACIOĞLU R., DEMİRBAĞ Z.

PLOS ONE, vol.15, no.6, 2020 (Journal Indexed in SCI)

- IV. **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 (Journal Indexed in SCI)
- V. **A new single nucleopolyhedrovirus isolate from Cabbage looper, *Trichoplusia ni* (Hubner) (Lepidoptera: Noctuidae): Detection, characterization and virulence**
Eroglu G. B. , NALÇACIOĞLU R., Nakai M., DEMİRBAĞ Z.
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- VI. **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 (Journal Indexed in SCI)
- VII. ***Chilo* iridescent virus encodes two functional metalloproteases.**
YESILYURT A., MURATOĞLU H., DEMIRBAG Z., Nalcacioglu R.
Archives of virology, vol.164, pp.657-665, 2019 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **A new *Helicoverpa armigera* Nucleopolyhedrovirus isolate from *Heliothis peltigera* (Denis & Schiffermuller) (Lepidoptera: Noctuidae) in Turkey**
Eroglu G. B. , NALÇACIOĞLU R., DEMİRBAĞ Z.
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- X. **Complete genome sequence analysis of the *Malacosoma neustria* nucleopolyhedrovirus from Turkey**
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- XI. **Protein-protein interactions among the structural proteins of *Chilo* iridescent virus**
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- XII. **The protein-protein interactions between *Amsacta moorei* entomopoxvirus (AMEV) protein kinases (PKs) and all viral proteins**
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- XIII. **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 (Journal Indexed in SCI)
- XIV. **Characterisation of three *Alphabaculovirus* isolates from the gypsy moth, *Lymantria 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 (Journal Indexed in SCI)
- XV. **Characterization of a *Betabaculovirus* from the fall webworm, *Hyphantria cunea* Drury. (Lepidoptera: Erebidae), in Turkey**
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- XVI. **Bacterial Flora of *Lobesia botrana* ([Denis Schiffermuller]) (Lepidoptera: Tortricidae) as a Possible**

Microbial Control Agent

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ACTA ZOOLOGICA BULGARICA, vol.69, no.4, pp.583-591, 2017 (Journal Indexed in SCI Expanded)

- XVII. **Microbial control of some entomopathogenic agents against the European grapevine moth, *Lobesia botrana* Schiff. (Lepidoptera: Tortricidae)**
MOHAMMAD GHOLIZAD L., DEMİR İ., NALÇACIOĞLU R., DEMİRBAĞ Z.
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- XVIII. **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.
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- XIX. **Enhanced insecticidal activity of Chilo iridescent virus expressing an insect specific neurotoxin**
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- XX. **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.
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- XXI. **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 (Journal Indexed in SCI)
- XXII. **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.
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- XXIII. **Construction and characterization of a recombinant invertebrate iridovirus**
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VIRUS RESEARCH, vol.189, pp.286-292, 2014 (Journal Indexed in SCI)
- XXIV. **The first study on bacterial flora of pest beetles *Sciaphobus squalidus*, *Tatianaerhynchites aequatus* and *Byctiscus betulae* in the Republic of Moldova**
Munteanu N. V. , DANIŞMAZOĞLU M., Moldovan A. I. , Toderas I. K. , NALÇACIOĞLU R., DEMİRBAĞ Z.
BIOLOGIA, vol.69, no.5, pp.681-690, 2014 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **Molecular Characterization of Chitinase Genes from a Local Isolate of *Serratia marcescens* and Their Contribution to the Insecticidal Activity of *Bacillus thuringiensis* Strains**
Ozgen A., SEZEN K., DEMİR İ., DEMİRBAĞ Z., NALÇACIOĞLU R.
CURRENT MICROBIOLOGY, vol.67, no.4, pp.499-504, 2013 (Journal Indexed in SCI)
- XXVII. **Induction of apoptosis by the *Amsacta moorei* entomopoxvirus**
Perera S., Krell P., DEMİRBAĞ Z., NALÇACIOĞLU R., Arif B.
JOURNAL OF GENERAL VIROLOGY, vol.94, pp.1876-1887, 2013 (Journal Indexed in SCI)
- XXVIII. **Characterization of a new isolate of *Malacosoma neustria* nucleopolyhedrovirus (*ManeNPV*) from Turkey**
DEMİR İ., NALÇACIOĞLU R., MOHAMMAD GHOLIZAD L., DEMİRBAĞ Z.
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- XXIX. **An investigation on the bacterial flora of *Agriotes lineatus* (Coleoptera: Elateridae) and pathogenicity of the flora members**

- DANIŞMAZOĞLU M., DEMİR İ., SEVİM A., DEMİRBAĞ Z., NALÇACIOĞLU R.
CROP PROTECTION, vol.40, pp.1-7, 2012 (Journal Indexed in SCI)
- XXX. **Transcriptomic analysis of Chilo iridescent virus immediate early promoter**
Dizman Y. A. , DEMİRBAĞ Z., İNCE I. A. , NALÇACIOĞLU R.
VIRUS RESEARCH, vol.167, no.2, pp.353-357, 2012 (Journal Indexed in SCI)
- XXXI. **The relationship between insecticidal effects and chitinase activities of Coleopteran-originated entomopathogens and their chitinolytic profile**
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ANNALS OF MICROBIOLOGY, vol.62, no.2, pp.647-653, 2012 (Journal Indexed in SCI)
- XXXII. **Amsacta moorei entomopoxvirus encodes a functional DNA photolyase (AMV025)**
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JOURNAL OF INVERTEBRATE PATHOLOGY, vol.105, no.3, pp.363-365, 2010 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI)
- XXXIV. **Comparative susceptibilities of six insect cell lines to infection by Malacosoma neustria nucleopolyhedrovirus (ManeNPV)**
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- XXXV. **Productive replication of Malacosoma neustria nucleopolyhedrovirus (ManeNPV) in Md203 cell line**
DEMİR İ., GÜREL N., NALÇACIOĞLU R., Ince I. A. , DEMİRBAĞ Z.
TURKISH JOURNAL OF BIOLOGY, vol.33, no.3, pp.239-248, 2009 (Journal Indexed in SCI)
- XXXVI. **Open reading frame 193R of Chilo iridescent virus encodes a functional inhibitor of apoptosis (IAP)**
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VIROLOGY, vol.376, no.1, pp.124-131, 2008 (Journal Indexed in SCI)
- XXXVII. **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 (Journal Indexed in SCI Expanded)
- XXXVIII. **Highly pathogenic Bacillus thuringiensis subsp. tenebrionis from European shot-hole borer, Xyleborus dispar (Coleoptera : Scolytidae)**
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NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.36, no.1, pp.77-84, 2008 (Journal Indexed in SCI)
- XXXIX. **The Significance of Insect Viruses in Biotechnology**
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- XL. **A highly pathogenic strain of Bacillus thuringiensis serovar kurstaki in lepidopteran pests**
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- XLI. **The Chilo iridescent virus DNA polymerase promoter contains an essential AAAAT motif**
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- XLII. **A cytoplasmic polyhedrosis virus isolated from the pine processionary caterpillar, Thaumetopoea pityocampa**
İNCE I. A. , Demir I., Demirbag Z., Nalcacioglu R.
JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, vol.17, no.4, pp.632-637, 2007 (Journal Indexed in SCI)
- XLIII. **Promoter analysis of the Chilo iridescent virus DNA polymerase and major capsid protein genes**
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VIROLOGY, vol.317, no.2, pp.321-329, 2003 (Journal Indexed in SCI)

XLIV. Studies on bacterial flora in the population of the fall webworm, *Hyphantria cunea* Drury. (Lep., Arctiidae)

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JOURNAL OF APPLIED ENTOMOLOGY, vol.126, no.9, pp.470-474, 2002 (Journal Indexed in SCI)

XLV. Isolation and characterization of *Bacillus thuringiensis* isolated from hazelnut fields in Turkey

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XLVI. Expression of the fusolin gene of *Choristoneura fumiferana* entomopoxvirus in the baculovirus insect cell system

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Articles Published in Other Journals

- I. **The Biology of Chilo Iridescent Virus**
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- II. **Böcek Viruslerinin Biyoteknolojik Önemi**
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- III. **Baculovirus'lerin biyolojisi ve replikasyonu**
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- IV. **A nuclear polyhedrosis virus of the Lackey Moth *Malacosoma neustria* Lepidoptera Lasiocampidae in Turkey**
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- VII. **Insecticidal effects of some biological agents on the *Gypsonema dealbana* Lepidoptera and *Hyphantria cunea* Lepidoptera**
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- VIII. **Entomopoxvirus fus geninin baculovirus vektör sisteminde ekspresyonu**
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- IX. **Bazı bitki özütlerinin antibakteriyal etkilerinin araştırılması**
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I. **Entomopatojenler ve Biyolojik Mücadele**

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- I. **Genome organization of Malacosoma neustria nucleopolyhedrovirus (ManeNPV-T2) and interactions of AC145 proteins with oral infectivity proteins**
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- II. **Türkiye’den izole edilen Malacosoma neustria nucleopolyhedrovirus (ManeNPV-T2)’ün komple genom dizi analizi**
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- III. **Characterization of a new isolate of Malacosoma neustria nucleopolyhedrovirus (ManeNPV) from turkey and its virulence on different host**
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- IV. **Whole Genome Sequence and Organization of a Lymantria dispar Nucleopolyhedrovirus (LdMNPV) strain from Turkey**
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- V. **Complete genome sequence analysis of the Hyphantria cunea granulovirus (HycuGV) from Turkey**
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- VIII. **The First Detection of a Baculovirus in Heliothispeltigera (Lepidoptera: Noctuidae) (Bordered Straw) Larvae**
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- IX. **Malacosoma neustria nükleopolihedrovirüs’ünün komple genom analizi**
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- X. **Yeni bir Hyphantria cunea granülovirüs (HycuGV): İzolasyon, karakterizasyon filogeni ve virulans**
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- XI. **Chilo Iridescent Virüs Virion Proteinleri Arasında ki Protein-Protein İnteraksiyonlarının Belirlenmesi**
Özşahin E., van Oers M. M. , NALÇACIOĞLU R., DEMİRBAĞ Z.
2. Ulusal Proteomik Kongresi, İstanbul, Turkey, 24 - 25 November 2017, pp.4
- XII. **Complete Genome Sequence Analysis of the Malacosoma neustria Nucleopolyhedrovirus (ManeNPV)**

from Turkey

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- XIII. **A Promising Viral Microbial Control Agent against Some Noctuid Species**
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- XIV. **A new Hyphantria cunea Granulovirus Isolate from Turkey: Isolation, Characterization, Phylogeny and Virulence**
Bayramolu Z., NALÇACIOĞLU R., DEMİRBAĞ Z., DEMİR İ.
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- XV. **Transcriptional Analysis of 458R Open Reading Frame Encoded by Invertebrate Iridescent Virus 6**
AKSU Ç., ÖZŞAHİN E., NALÇACIOĞLU R., DEMİRBAĞ Z.
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- XVI. **Investigation on whether Serine/Threonine Protein Kinases of Amsacta moorei Entomopoxvirus (AMEV) Compensate Each Other**
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