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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

Published journal articles indexed by SCI, SSCI, and AHCI

1. Characterization of an envelope protein 118L in invertebrate iridescent virus 6 (IIV6)

ALTUN B., Zengin K., Dabag S. Y., Yesilyurt A., NALÇACIOĞLU R., DEMİRBAĞ Z.

VIRUS GENES, vol.60, no.5, pp.549-558, 2024 (SCI-Expanded)

- II. ***Amsacta moorei* entomopoxvirus encodes a protein kinase with dual activity and a broad substrate spectrum including two putative cellular substrates**
MURATOĞLU H., NALÇACIOĞLU R., Arif B. M., DEMİRBAĞ Z.
VIRUS GENES, vol.60, no.3, pp.287-294, 2024 (SCI-Expanded)
- III. **Transcriptional Analysis of the Gene Encoding the Putative Myristoylated Membrane Protein (ORF458R) of Invertebrate Iridescent Virus 6 (IIV6)**
Kuz C., Ozsahin E., NALÇACIOĞLU R., DEMİRBAĞ Z.
Molecular Biology, vol.57, no.3, pp.440-446, 2023 (SCI-Expanded)
- IV. **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, pp.107885, 2023 (SCI-Expanded)
- V. **Janthinobacterium kumbetense sp. nov., a violacein-producing bacterium isolated from spring water in Turkey, and investigation of antimicrobial activity of violacein**
İnan Bektaş K., Nalçaoğlu A., Kati H., Ceylan E., Nalçacioğlu R., Beldüz A. O., Çanakçı S.
FEMS MICROBIOLOGY LETTERS, vol.370, 2023 (SCI-Expanded)
- VI. **Genome Sequencing and Organization of Three Geographically Different Isolates of Nucleopolyhedrovirus from the Gypsy Moth Reveal Significant Genomic Differences**
Gencer D., İnan C., Bayramoğlu Z., Nalçacioğlu R., Yin F., Zhu Z., Wang J., Hu Z., Pavlik L., Arif B., et al.
Current Genomics, vol.24, no.3, pp.146-154, 2023 (SCI-Expanded)
- VII. **Viral diseases of insects**
Ros V. I. D., Panziera D., NALÇACIOĞLU R., Petersen J. M., Ryabov E., van Oers M. M.
INVERTEBRATE PATHOLOGY, pp.249-285, 2022 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **Conserved motifs in the invertebrate iridescent virus 6 (IIV6) genome regulate virus transcription.**
Yesilyurt A., Demirbag Z., van O., Nalcacioglu R.
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- X. **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 (SCI-Expanded)
- XI. **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)
- XII. **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.
ACTA VIROLOGICA, vol.64, no.3, pp.344-351, 2020 (SCI-Expanded)
- XIII. **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)
- XIV. **Chilo iridescent virus encodes two functional metalloproteases.**
YESILYURT A., MURATOĞLU H., DEMIRBAG Z., Nalcacioglu R.
Archives of virology, vol.164, pp.657-665, 2019 (SCI-Expanded)
- XV. **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)

- XVI. **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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- XVII. **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)
- XVIII. **Protein-protein interactions among the structural proteins of Chilo iridescent virus**
ÖZŞAHİN E., van Oers M. M., NALÇACIOĞLU R., DEMİRBAĞ Z.
JOURNAL OF GENERAL VIROLOGY, vol.99, no.6, pp.851-859, 2018 (SCI-Expanded)
- XIX. **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)
- XX. **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)
- XXI. **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 (SCI-Expanded)
- XXII. **Characterization of a *Betabaculovirus* from the fall webworm, *Hyphantria cunea* Drury. (Lepidoptera: Erebidae), in Turkey**
BAYRAMOĞLU Z., NALÇACIOĞLU R., DEMİRBAĞ Z., DEMİR İ.
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- XXIII. **Bacterial Flora of *Lobesia botrana* ([Denis Schiffermuller]) (Lepidoptera: Tortricidae) as a Possible Microbial Control Agent**
Gholizad L. M., İNAN C., NALÇACIOĞLU R., Hamzezadeh A., DEMİRBAĞ Z.
ACTA ZOOLOGICA BULGARICA, vol.69, no.4, pp.583-591, 2017 (SCI-Expanded)
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- XXV. **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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Gholizad L. M., DEMİR İ., NALÇACIOĞLU R., DEMİRBAĞ Z.
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, no.1, pp.35-39, 2017 (SCI-Expanded)
- XXVII. ***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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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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- XXXI. **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)
- XXXII. **Cloning and expression of chitinase A, B, and C (<i>chiA</i>, <i>chiB</i>, <i>chiC</i>) genes from <i>Serratia marcescens</i> originating from <i>Helicoverpa armigera</i> and determining their activities**
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TURKISH JOURNAL OF BIOLOGY, no.1, pp.78-87, 2015 (SCI-Expanded)
- XXXIII. **Cloning and expression of chitinase A, B and C (chiA, chiB, chiC) genes from Serratia marcescens originating from Helicoverpa armigera and determining their activities**
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- XXXIV. **Construction and characterization of a recombinant invertebrate iridovirus**
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VIRUS RESEARCH, vol.189, pp.286-292, 2014 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
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VIRUS RESEARCH, no.189, pp.286-292, 2014 (SCI-Expanded)
- XXXVII. **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, 2014 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **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.
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- XL. **Induction of apoptosis by the Amsacta moorei entomopoxvirus**
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- XLI. **Characterization of a new isolate of Malacosoma neustria nucleopolyhedrovirus (ManeNPV) from Turkey**
DEMİR İ., NALÇACIOĞLU R., MOHAMMAD GHOLIZAD L., DEMİRBAĞ Z.

- TURKISH JOURNAL OF BIOLOGY, vol.37, no.4, pp.385-391, 2013 (SCI-Expanded)
- XLII. **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 (SCI-Expanded)
- XLIII. **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 (SCI-Expanded)
- XLIV. **The relationship between insecticidal effects and chitinase activities of Coleopteran-originated entomopathogens and their chitinolytic profile**
Bahar A. A., SEZEN K., DEMİRBAĞ Z., NALÇACIOĞLU R.
ANNALS OF MICROBIOLOGY, vol.62, no.2, pp.647-653, 2012 (SCI-Expanded)
- XLV. ***Amsacta moorei* entomopoxvirus encodes a functional DNA photolyase (AMV025)**
Nalcacioglu R., Dizman Y. A., VLAK J. M., DEMİRBAĞ Z., van Oers M. M.
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- XLVI. **Transcriptional and structural analyses of *Amsacta moorei* entomopoxvirus protein kinase gene (AMV197, pk)**
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- XLVII. **TRANSCRIPTIONAL AND STRUCTURAL ANALYSIS OF AMSACTA MOOREI ENTOMOPOXVIRUS PROTEIN KINASE GENE**
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- XLVIII. **Comparative susceptibilities of six insect cell lines to infection by *Malacosoma neustria* nucleopolyhedrovirus (ManeNPV)**
DEMİR İ., GÜREL N., NALÇACIOĞLU R., DEMİRBAĞ Z.
TURKISH JOURNAL OF BIOLOGY, vol.33, no.4, pp.259-273, 2009 (SCI-Expanded)
- XLIX. **Productive replication of *Malacosoma neustria* nucleopolyhedrovirus (ManeNPV) in Md203 cell line**
DEMİR İ., GÜREL N., NALÇACIOĞLU R., Ince I. A., DEMİRBAĞ Z.
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- L. **Open reading frame 193R of *Chilo iridescent virus* encodes a functional inhibitor of apoptosis (IAP)**
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- LI. **Identification and pathogenicity of bacteria from european shot-hole borer, *Xyleborus dispar* Fabricius (Coleoptera: Scolytidae)**
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ANNALS OF MICROBIOLOGY, vol.58, no.2, pp.173-179, 2008 (SCI-Expanded)
- LII. **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.
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- LIII. **The Significance of Insect Viruses in Biotechnology**
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- LV. **A highly pathogenic strain of *Bacillus thuringiensis* serovar *kurstaki* in lepidopteran pests**
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- JOURNAL OF MICROBIOLOGY, vol.45, no.6, pp.553-557, 2007 (SCI-Expanded)
- LVI. **The Chilo iridescent virus DNA polymerase promoter contains an essential AAAAT motif**
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- LVII. **A cytoplasmic polyhedrosis virus isolated from the pine processionary caterpillar, *Thaumetopoea pityocampa***
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- LVIII. **Promoter analysis of the Chilo iridescent virus DNA polymerase and major capsid protein genes**
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- LIX. **Studies on bacterial flora in the population of the fall webworm, *Hyphantria cunea* Drury. (Lep., Arctiidae)**
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- LX. **Isolation and characterization of *Bacillus thuringiensis* isolated from hazelnut fields in Turkey**
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- LXII. **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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VIROLOGICA SINICA, vol.24, no.4, pp.284-294, 2009 (Scopus)
- II. **Böcek Viruslerinin Biyoteknolojik Önemi**
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- III. **Baculovirus'lerin biyolojisi ve replikasyonu**
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TÜRKİYE PARAZİTOLOJİ DERGİSİ, vol.32, no.3, pp.295-303, 2008 (Scopus)
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- V. **A nuclear polyhedrosis virus of the Lackey Moth *Malacosoma neustria* Lepidoptera Lasiocampidae in Turkey**
YAMAN M., NALÇACIOĞLU R., BELDÜZ A. O., DEMİRBAĞ Z.
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- VI. **Characterization and insecticidal activity of *Bacillus thuringiensis* strains isolated from hazelnut fields in Turkey**
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Insect Pathogens and Insect Parasitic Nematodes, IOBC wprs Bulletin, vol.26, no.1, pp.223-226, 2003 (Peer-Reviewed Journal)
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