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## International Researcher IDs

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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**  
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- 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.  
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- 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.  
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- 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.  
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- 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.  
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- 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.  
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- XXII. **Characterization of a *Betabaculovirus* from the fall webworm, *Hyphantria cunea* Drury. (Lepidoptera: Erebidae), in Turkey**  
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- XXIII. **Bacterial Flora of *Lobesia botrana* ([Denis Schiffermuller]) (Lepidoptera: Tortricidae) as a Possible Microbial Control Agent**  
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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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- XXVI. **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, 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.  
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- 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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- XXXIV. **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)
- 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.  
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ÖZGEN A., MURATOĞLU H., DEMİRBAĞ Z., VLAK J. M., VAN QUERS M., NALÇACIOĞLU R.  
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**  
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- XL. **Induction of apoptosis by the Amsacta moorei entomopoxvirus**  
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JOURNAL OF GENERAL VIROLOGY, vol.94, pp.1876-1887, 2013 (SCI-Expanded)
- 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.  
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- XLV. ***Amsacta moorei* entomopoxvirus encodes a functional DNA photolyase (AMV025)**  
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- XLVI. **Transcriptional and structural analyses of *Amsacta moorei* entomopoxvirus protein kinase gene (AMV197, pk)**  
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ANNALS OF MICROBIOLOGY, vol.60, no.3, pp.523-530, 2010 (SCI-Expanded)
- XLVII. **TRANSCRIPTIONAL AND STRUCTURAL ANALYSIS OF AMSACTA MOOREI ENTOMOPOXVIRUS PROTEIN KINASE GENE**  
MURATOĞLU H., NALÇACIOĞLU R., DEMİRBAĞ Z.  
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- XLVIII. **Comparative susceptibilities of six insect cell lines to infection by *Malacosoma neustria* nucleopolyhedrovirus (ManeNPV)**  
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- XLIX. **Productive replication of *Malacosoma neustria* nucleopolyhedrovirus (ManeNPV) in Md203 cell line**  
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- L. **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 (SCI-Expanded)
- 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**  
Kati H., SEZEN K., NALÇACIOĞLU R., DEMİRBAĞ Z.

- 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***  
İNCE I. A., Demir I., Demirbag Z., Nalcacioglu R.  
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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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- II. **Böcek Viruslerinin Biyoteknolojik Önemi**  
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- III. **Baculovirus'lerin biyolojisi ve replikasyonu**  
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- IV. **Baküloviruslerin biyolojisi ve Replikasyonu**  
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- V. **A nuclear polyhedrosis virus of the Lackey Moth *Malacosoma neustria* Lepidoptera Lasiocampidae in Turkey**  
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NALÇACIOĞLU R., TUBITAK Project, Chilo iridescent Virüs'e Ait En Erken Genlerin Transkripsiyonunu Başlatan Protein(ler)in Tespiti, 2015 - 2016

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## Activities in Scientific Journals

Turkish journal of Biology, Committee Member, 2014 - 2014

## Scientific Refereeing

Turkish journal of Biology, SCI Journal, August 2015

## Scientific Consultations

TÜBİTAK, Project Consultancy, Turkey, 2014 - Continues

## Metrics

Publication: 217

Citation (WoS): 430

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H-Index (Scopus): 13

## **Congress and Symposium Activities**

Insect Viruses, Invited Speaker, Tokyo, Japan, 2015