

## Assoc. Prof. ONUR TOSUN

### Personal Information

**Email:** onurtosun@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr/onurtosun>

### International Researcher IDs

ORCID: 0000-0002-6763-5671

Yoksis Researcher ID: 115835

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Biyoloji, Turkey 2008 - 2012

Postgraduate, Karadeniz Technical University, Fen Bilimleri, Biyoloji, Turkey 2006 - 2008

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1999 - 2004

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Bal Arılarında (*Apis mellifera* L. 1758) Nosemosis (Nosematosis) Hastalığının Doğu Karadeniz Bölgesi'nde Bulunan Arı Kolonilerindeki Varlığı, Dağılımı ve Hastalık Etkenlerinin Karakterizasyonu, Karadeniz Technical University, Fen Bilimleri, Biyoloji, 2012

Postgraduate, Helicosporidium (Chlorophyta) Patojeninin Rhizophagus grandis (Coleoptera: Rhizophagidae) Üretim Laboratuvarlarındaki Varlığı, Karadeniz Technical University, Fen Bilimleri, Biyoloji, 2008

### Research Areas

Life Sciences, Animal Biology, Animal Pathology, Microbiology, Parasitology, Molecular Biology and Genetics, Animal Molecular Genetics, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Veterinerlik, 2022 - Continues

Assistant Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Veterinerlik, 2018 - 2022

Assistant Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Veterinerlik, 2017 - 2018

Assistant Professor, Giresun University, Alucra Turan Bulutçu Vocational School, Veterinerlik, 2015 - 2017

Assistant Professor, Giresun University, Alucra Turan Bulutçu Vocational School, Bitkisel Hayvansal Üretim Bölümü, 2013 - 2015

### Academic and Administrative Experience

Karadeniz Technical University, Maçka Meslek Yüksekokulu, 2018 - Continues  
Karadeniz Technical University, Maçka Meslek Yüksekokulu, Veterinerlik, 2017 - 2019  
Giresun University, Alucra Turan Bulutcu Meslek Yüksekokulu, Veterinerlik, 2015 - 2017  
Giresun University, Alucra Turan Bulutcu Meslek Yüksekokulu, 2015 - 2016  
Giresun University, Alucra Turan Bulutcu Meslek Yüksekokulu, Bitkisel Ve Hayvansal Üretim Bölümü, 2013 - 2015

## Courses

Parazitoloji, Associate Degree, 2016 - 2017  
Kanatlı hayvan yetiştiriciliği, Associate Degree, 2016 - 2017  
Veteriner patoloji, Associate Degree, 2016 - 2017  
Tıbbi laboratuvar, Associate Degree, 2016 - 2017  
Genetik, Associate Degree, 2015 - 2016  
Biyokimya, Associate Degree, 2015 - 2016  
Genel Mikrobiyoloji, Associate Degree, 2015 - 2016  
Histoloji ve Embriyoloji, Associate Degree, 2016 - 2017  
Laboratuvar Tekniği-2, Associate Degree, 2015 - 2016  
Genel zooloji, Associate Degree, 2015 - 2016  
Laboratuvar Tekniği-1, Associate Degree, 2015 - 2016  
Histoloji, Associate Degree, 2015 - 2016  
Arıcılığa giriş, Associate Degree, 2008 - 2009  
Entomoloji, Associate Degree, 2008 - 2009  
Bombus arısı, Associate Degree, 2008 - 2009  
Yaban arıları, Associate Degree, 2008 - 2009

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

- I. ***Ophryocystis sitonae* sp. nov., (Neogregarinida: Ophryocystidae) parasitizing *Sitona humeralis* Stephens, 1831 (Coleoptera: Curculionidae)**  
Yildirim H., TOSUN O., Bekircan Ç.  
MICROBIAL PATHOGENESIS, vol.162, 2022 (SCI-Expanded)
- II. **First record and distribution of *Adelina* sp. (Coccidia: Adeleidae) in populations of the *Anisoplia segetum* Herbst (Coleoptera: Scarabaeidae) in Turkey**  
Bekircan Ç., TOSUN O.  
MICROBIAL PATHOGENESIS, vol.154, 2021 (SCI-Expanded)
- III. **Molecular characterization of the *Vairimorpha* (*Nosema*) *ceranae* infection from *Bombus terrestris* (Linnaeus, 1758) (Hymenoptera: Apidae) in Turkey**  
TOSUN O., BekirCan Ç.  
Journal of the Entomological Research Society, vol.23, no.3, 2021 (SCI-Expanded)
- IV. **A new isolate of *Nosema fumiferanae* (Microsporidia: Nosematidae) from the date moth *Apomyelois* (*Ectomyelois*) *ceratoniae*, Zeller, 1839 (Lepidoptera: Pyralidae)**  
TOSUN O.  
PARASITOLOGY, vol.147, no.13, pp.1461-1468, 2020 (SCI-Expanded)
- V. ***Aranciocystis muskarensis* n. gen., n. sp., a neogregarine pathogen of the *Anisoplia segetum* Herbst (Coleoptera: Scarabaeidae)**  
Bekircan C., Cuce M., Baki H., Tosun O.  
JOURNAL OF INVERTEBRATE PATHOLOGY, vol.144, pp.58-64, 2017 (SCI-Expanded)
- VI. **First records of a gregarine pathogen and a mermithid parasite from *Chrysolina fastuosa* (Scopoli, 1763) (Coleoptera: Chrysomelidae)**

- Yaman M., Tosun O., Lipa J. J., Aslan I.  
NORTH-WESTERN JOURNAL OF ZOOLOGY, vol.7, no.1, pp.105-111, 2011 (SCI-Expanded)
- VII. **Distribution and occurrence of the insect pathogenic alga *Helicosporidium* sp. (Chlorophyta: Trebouxiophyceae) in the predator beetle *Rhizophagus grandis* Gyll. (Coleoptera: Rhizophagidae)-rearing laboratories**  
Yaman M., TOSUN O., AYDIN C., Erturk O.  
FOLIA MICROBIOLOGICA, vol.56, no.1, pp.44-48, 2011 (SCI-Expanded)
- VIII. **Occurrence of *Gregarina typographi* (Apicomplexa, Gregarinidae) and *Metschnikowia typographi* (Ascomycota, Metschnikowiaceae) in *Ips sexdentatus* (Coleoptera: Curculionidae, Scolytinae) Populations in Kastamonu (Turkey)**  
Unal S., Yaman M., TOSUN O., Aydin C.  
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.8, no.12, pp.2687-2691, 2009 (SCI-Expanded)
- IX. **First record of the insect pathogenic alga *Helicosporidium* sp (Chlorophyta: Trebouxiophyceae) infection in larvae and pupae of *Rhizophagus grandis* Gyll. (Coleoptera, Rhizophaginae) from Turkey**  
Yaman M., Radek R., Aydin C., Tosun O., Erturk O.  
JOURNAL OF INVERTEBRATE PATHOLOGY, vol.102, no.2, pp.182-184, 2009 (SCI-Expanded)
- X. ***Nosema raphidia* sp.n. (Microsporida, Nosematidae): A Microsporidian Pathogen of the Predatory Snake-fly *Raphidia ophiopsis* (Raphidioptera: Raphidiidae)**  
Yaman M., Radek R., Tosun O., Unal S.  
ACTA PROTOZOOLOGICA, vol.48, no.4, pp.353-358, 2009 (SCI-Expanded)
- XI. **Occurrence of the Pathogens and Parasites of *Phyllotreta undulata* (Coleoptera: Chrysomelidae) in Turkey**  
Yaman M., TOSUN O., Aydin C.  
TURKISH JOURNAL OF ZOOLOGY, vol.33, no.2, pp.139-146, 2009 (SCI-Expanded)
- XII. **On the occurrence of a gregarine parasite from *Psylloides cupreus* Koch 1803 (Coleoptera : Chrysomelidae) of Turkey**  
Yaman M., Tosun O., Aslan I.  
NORTH-WESTERN JOURNAL OF ZOOLOGY, vol.4, no.1, pp.167-172, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. Bekircan Ç., Tosun O., Yildirim H.  
JOURNAL of APITHERAPY and NATURE, vol.6, no.2, pp.30-40, 2023 (Peer-Reviewed Journal)
- II. **A New Microsporidian Pathogen of the Mediterranean Flour Moth, *Ephestiae kuehniella* (Zeller) (Lepidoptera: Pyralidae)**  
BEKİRCAN Ç., TOSUN O.  
BIOLOGICAL DIVERSITY AND CONSERVATION, vol.14, no.2, pp.277-285, 2021 (Peer-Reviewed Journal)
- III. **The Presence and Distribution of Nosemosis Disease in Turkey**  
Tosun O., Bekircan Ç., Yildirim H.  
Apiterapi ve Doga Dergisi Journal of Apitherapy and Nature, vol.2, no.2, pp.71-84, 2020 (Peer-Reviewed Journal)
- IV. **Survey of Entomopathogenic Organisms of the *Cantharis livida* Linnaeus, 1758 (Coleoptera: Cantharidae) in Turkey**  
BEKİRCAN Ç., TOSUN O., YILDIRIM H.  
BIOLOGICAL DIVERSITY AND CONSERVATION, vol.13, no.3, pp.187-193, 2020 (Peer-Reviewed Journal)
- V. **The First Record of A Gregarine Pathogen from *Altica hampei* (Allard, 1867) (Coleoptera: Chrysomelidae)**  
YILDIRIM H., TOSUN O., BEKİRCAN Ç.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.22, no.5, pp.799-805, 2019 (Peer-Reviewed Journal)
- VI. **The Presence and Distribution of Nosemosis Disease in Turkey.**

- TOSUN O., BEKİRCAN Ç., YILDIRIM H.  
Journal of Apitherapy and Nature, vol.2, no.2, pp.71-84, 2019 (Peer-Reviewed Journal)
- VII. **The First Record of A Gregarine Pathogen from *Altica hampei* (Allard, 1867) (Coleoptera:Chrysomelidae)**  
YILDIRIM H., TOSUN O., BEKİRCAN Ç.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.22, no.5, pp.799-805, 2019 (ESCI)
- VIII. **Influence of climatic conditions on microsporidiosis that originated from *Rugispora istanbulensis* in Elm Leaf Beetle, *Xanthogaleruca luteola* Muller (Coleoptera: Chrysomelidae)**  
Bekircan C., TOSUN O., BAKİ H.  
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.18, no.2, pp.230-235, 2018 (ESCI)
- IX. **The Distribution of *Aranciocystis muskarensis* (Neogregarinida: Ophryocystidae) in Populations of *Anisoplia segetum* Herbst (Coleoptera: Scarabaeidae) in Turkey and Its Relationship with Climatic Factors**  
BEKİRCAN Ç., BAKİ H., TOSUN O.  
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.5, no.2, pp.146-152, 2018 (Peer-Reviewed Journal)
- X. **Detection of Neogregarine and Eugregarine (Apicomplexa) Infections from *Chrysolina herbacea* (Duftschmid 1825) (Coleoptera: Chrysomelidae) in Turkey**  
BEKİRCAN Ç., TOKAREV Y. S., TOSUN O., BAKİ H.  
Turkish Journal of Life Sciences, vol.1, no.2, pp.59-64, 2016 (Peer-Reviewed Journal)
- XI. **The Effects of Temperature and Humidity around the Beehives on the Distribution of *Nosema ceranae*, and also Geographical and Seasonal Activity of the Infection in the Eastern Black Sea Region of Turkey**  
TOSUN O., YAMAN M.  
Journal of Environmental Science and Engineering B, vol.5, pp.513-522, 2016 (Peer-Reviewed Journal)
- XII. **Role of Different Thymus Essential Oils on Feeding Performance of *Leptinotarsa decemlineata* Say 1824 Chrysomelidae Coleoptera**  
BEKİRCAN Ç., MUSTAFA C., TUBA B., TOSUN O.  
ADVANCES IN ZOOLOGY AND BOTANY, vol.3, no.1, pp.6-9, 2015 (Peer-Reviewed Journal)
- XIII. **Distribution of *Nosema phyllotreta* in populations of *Phyllotreta atra* in Turkey**  
AYDIN Ç., YAMAN M., TOSUN O.  
Türkiye Parazitoloji Dergisi, vol.33, no.2, pp.165-168, 2009 (Peer-Reviewed Journal)
- XIV. **Parasites of *Phyllotreta atra* (Fabricius, 1775) (Coleoptera: Chrysomelidae) in Trabzon.**  
Tosun O., Yaman M., AYDIN C.  
Turkiye parazitolojii dergisi, vol.32, pp.153-7, 2008 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **ENTOMOPATOGENIC NOSEMA AND VAIRIMORPHA INFECTIONS IN TURKEY**  
Tosun O.  
INTERNATIONAL ASIAN CONGRESS ON CONTEMPORARY SCIENCES-V, Nakhchivan, Azerbaijan, 1 - 02 June 2021, pp.93-94
- II. **FIRST RECORDS OF A NEOGREGARIN PATHOGEN FROM *LASIODERMA SERRICORNE* (FABRICIUS, 1792) (COLEOPTERA ANOBIIDAE) IN TURKEY**  
Tosun O.  
10th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Siirt, Turkey, 16 - 18 May 2021, pp.233-234
- III. **FIRST DETECTION OF MICROSPORIDIA PATHOGEN FROM *SYMMORPHUS BIFASCIATUS* (LINNAEUS, 1760) (HYMENOPTERA VESPIDAE) IN TURKEY**

Tosun O.

INTERNATIONAL 19 MAY INNOVATIVE SCIENTIFIC APPROACHES CONGRESS-V, Samsun, Turkey, 19 May 2021, pp.332-333

- IV. **Kızılağaç Yaprak Böceği *Agelastica alni* (Coleoptera: Chrysomelidae) de Türkiye için ilk Mermitid (Mermithida: Mermithidae) enfeksiyonu kaydı**  
BEKİRCAN Ç., TOSUN O., YILDIRIM H.  
2. ULUSLARARASI 19 MAYIS YENİLİKÇİ BİLİMSEL YAKLAŞIMLAR KONGRESİ, Samsun, Turkey, 27 - 29 December 2019, pp.32-33
- V. **A NEMATODE PARASITE FROM ANOPLOPHORA CHINENSIS (FORSTER) (COLEOPTERA CERAMBYCIDAE) IN TURKEY**  
YILDIRIM H., TOSUN O., BEKİRCAN Ç.  
3rd INTERNATIONAL ZEUGMA CONFERENCE ON SCIENTIFIC RESEARCHES, 22 - 24 November 2019
- VI. **The effect of humidity on Nosemosis infection and physical control methods against the infection**  
TOSUN O., BEKİRCAN Ç., YILDIRIM H.  
International Apicultural Research and Sustainable Regional Development Strategy Congress, 11 - 13 October 2019
- VII. **First records of a nematode parasite from *Xyleborus dispar* (Fabricius, 1792) (Coleoptera Scolytidae) in Turkey**  
TOSUN O., BEKİRCAN Ç., BAKI H.  
2nd International UNIDOKAP Black Sea Symposium on Biodiversity, Samsun, Turkey, 28 - 30 November 2018, pp.36
- VIII. **The First Record of a Novel Neogregarine isolated from *Altica hampei* (Allard, 1867) (Coleoptera: Chrysomelidae) in Turkey**  
BAKİ H., BEKİRCAN Ç., TOSUN O.  
The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF 2018), İzmir/Çeşme, Turkey, 2 - 05 April 2018
- IX. **A New Entomopathogen from *Altica hampei* (Allard, 1867) (Coleoptera: Chrysomelidae)**  
BAKİ H., BEKİRCAN Ç., TOSUN O.  
SEAB 2017, Minsk, Belarus, 5 - 08 July 2017, pp.13
- X. **Effect of Climatic Factors on Incidence and Intensity of Microsporidiosis in Elm Leaf Beetle *Xanthogaleruca luteola* Müller (Coleoptera: Chrysomelidae).**  
BEKİRCAN Ç., BAKI H., TOSUN O.  
Ecological symposium, Kayseri, Turkey, 11 - 13 May 2017, pp.389
- XI. **Description of a novel neogregarine from *Anisoplia segetum* Herbst (Coleoptera chrysomelidae).**  
BEKİRCAN Ç., TOSUN O., BAKI H.  
Ecology symposium, Antalya, Turkey, 11 - 13 May 2017, pp.61
- XII. **The distribution and effect of environmental conditions on Nosemosis infection causing honey bee colony demise in Giresun**  
TOSUN O., BAKİ H.  
1st International Black Sea Congress On Environmental Sciences (Ibcess), Giresun, Turkey, 31 August - 03 September 2016, pp.170
- XIII. **Description of Novel Microsporidium from Elm Leaf Beetle, *Xanthogaleruca luteola* Müller (Coleoptera: Chrysomelidae)**  
BEKİRCAN Ç., Tosun O., BAKİ H.  
Symposium on Euroasian Biodiversity, Antalya, Turkey, 23 - 27 May 2016, vol.1, no.1, pp.382
- XIV. **A new entomopathogen (Apicomplexa/ Neogregarinorida) from *Crioceris asparagi* (Linne, 1758) (Coleoptera: Chrysomelidae)**  
BAKİ H., TOSUN O.  
V. Uluslar arası katılımlı Entomopatojenler ve Mikrobiyal Mücadele Kongresi, Ankara, Turkey, 9 - 11 September 2015, pp.119
- XV. ***Asparagus* zararlısı *Crioceris asparagi* (Coleoptera Chrysomelidae)'den bir mikrospor (Microspora)**

## **patojeninin tespiti**

BAKİ H., TOSUN O.

22. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2014

- XVI. **Chrysolina fastuosa (Scopoli 1763) (Coleoptera: Chrysomelidae)'dan yeni bir Gregarin patojeni ve Mermithid paraziti kaydı**  
TOSUN O., YAMAN M., özcan n., güngör p.  
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.706
- XVII. **Av Avcı İlişkisinde Patojen Geçişi Dendroctonus micans Coleoptera Curculionidae Scolytinae Rhizophagus grandis Coleoptera Rhizophagidae**  
YAMAN M., ERTÜRK Ö., TOSUN O., AYDIN Ç.  
19. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2008
- XVIII. **Pathogen and parasite transmission to Rhizophagus grandis (Coleoptera: Rhizophagidae), a specific predatory of the Great spruce bark beetle, Dendroctonus micans (Kugelann) (Coleoptera: Curculionidae, Scolytinae) from Turkey**  
YAMAN M., radek r., ertürk ö., TOSUN O., aydın ç.  
Insects and fungi in stormareas, Strbske Pleso, Slovakia, 15 - 19 September 2008, pp.165
- XIX. **Ips sexdentatus (Boemer) (Coleoptera: Curculionidae, Scolytinae)'un Parazit ve Patojenleri**  
YAMAN M., Baki H., Unal S., Tosun O., Erturk O.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.1
- XX. **Rhizophagus grandis (Coleoptera: Rhizopagidae) Üretim Laboratuvarlarında Helicosporidium sp. Varlığının Araştırılması**  
TOSUN O., YAMAN M., AYDIN C., ERTURK O.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.583-584
- XXI. **Rhizophagus grandis (Coleoptera: Rhizopagidae)'ten ilk Entomopatojenik Microsporidian Kaydı**  
Aydin C., YAMAN M., Tosun O., Erturk O.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.1
- XXII. **Dev Kabuk Böceği, Dendroctonus micans (Kugelann) (Coleoptera: Curculionidae, Scolytinae)'m Parazit ve Patojenleri**  
YAMAN M., RADEK R., TOSUN O.  
XV. Ulusal Parazitoloji Kongresi, Kayseri, Turkey, 18 - 23 November 2007, pp.156-157
- XXIII. **Phyllotreta undulata (Coleoptera: Chrysomelidae)'in Yeni Patojen ve Parazitleri**  
YAMAN M., RADEK R., AYDIN C., TOSUN O.  
XV. Ulusal Parazitoloji Kongresi, Kayseri, Turkey, 18 - 23 November 2007, pp.157
- XXIV. **Nosema phyllotretae Weiser 1961 (Microsporida)'nin Phyllotreta atra (Coleoptera: Chrysomelidae) Popülasyonlarındaki Dağılımı**  
TOSUN O., YAMAN M.  
XV. Ulusal Parazitoloji Kongresi, Kayseri, Turkey, 18 November 2007, pp.251
- XXV. **Phyllotreta atra (Coleoptera: Chrysomelidae)'in Patojen ve Parazitlerin Dağılımı**  
TOSUN O., YAMAN M.  
XV. Ulusal Parazitoloji Kongresi, Kayseri, Turkey, 18 - 23 November 2007, pp.251

## **Supported Projects**

TOSUN O., YILDIRIM H., BEKİRCAN Ç., Project Supported by Higher Education Institutions, Chrysolina herbacea Duftschmid 1825 Coleoptera Chrysomelidae Zararlılarının Biyolojik Mücadelesinde Kullanılabilecek Hastalık Etmenlerinin Belirlenmesi, 2020 - 2021

BULUT V. N., BAYRAK H., TOSUN O., ER M., TURKUT G. M., YILDIRIM AKATIN M., DİLBER G., Project Supported by Higher Education Institutions, Glutarimid Türevi Azol Bileşiklerin Schiff ve Mannich Bazlarının Sentezi ile Antimikrobiyal Aktivitelerinin ve Antioksidan Kapasitelerinin İncelenmesi, 2019 - 2020

YAMAN M., TUBITAK Project, Dendroctonus micans (Coleoptera;Chrysomelidae) ile Biyolojik Mücadelede Kullanılan

Etkin Predatör *Rhizophagus grandis* (Coleoptera:Rhizopagidae)'te ilk kez Tespit Edilen *Helicosporidium* (Chlorophyta)  
Parazitinin *Rhizophagus grandis* Üretimindeki Etkilerinin Araştırılması, 2007 - 2010

## **Metrics**

Publication: 51

Citation (WoS): 47

Citation (Scopus): 51

H-Index (WoS): 5

H-Index (Scopus): 6