

Assoc. Prof. REFİK BOZBUĞA

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-8444-2020

ScopusID: 55901355300

Yoksis Researcher ID: 331346

Education Information

Doctorate, The University of Leeds, Biyolojik Bilimler Fakültesi, England 2013 - 2017

Postgraduate, Universiteit Gent, Life Sciences, Belgium 2009 - 2011

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Turkey 2006 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Characterisation of cell walls at the feeding site of *Meloidogyne incognita*, The University of Leeds, 2017

Postgraduate, The Role of Plant Defense Genes in the Establishment of Feeding Sites by Root Knot Nematodes in *Arabidopsis thaliana*, Wageningen Agricultural University, 2011

Postgraduate, Adana ilinde zeytin sineği, *Bactrocera oleae* Gmel. (Diptera:Tephritidae)'nın popülasyon takibi ve parazitoitlerinin belirlenmesi, Cukurova University, Fen Bilimleri Enstitüsü, Bitki Koruma, 2007

Research Areas

Agricultural Sciences, Agriculture, Plant Protection, Entomology

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA BÖLÜMÜ, 2021 - Continues

Academic and Administrative Experience

Fen Bilimleri Enstitüsü kurulu üyesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, 2022 - Continues
Head of Department, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA BÖLÜMÜ, 2022 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA BÖLÜMÜ, 2022 - Continues

Fakülte Kurulu Üyesi, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA BÖLÜMÜ, 2022 - Continues
Head of Department, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA BÖLÜMÜ, 2021 - Continues

Courses

Postgraduate

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2024 - 2025

UZMANLIK ALAN DERSİ, Postgraduate, 2024 - 2025

İNGİLİZCE METİN İNCELEME VE MAKALE YAZIM TEKN., Postgraduate, 2024 - 2025

SEMİNER, Postgraduate, 2024 - 2025

NEMATOLOJİNİN PRENSİPLERİ, Postgraduate, 2024 - 2025

BİTKİ KORUMADA ÖRNEKLEME VE DENEME YÖNTEMLERİ, Postgraduate, 2024 - 2025

501802505 TARIMSAL NEMATOLOJİ(A), Postgraduate, 2022 - 2023

501802001 SEMİNER(A), Postgraduate, 2022 - 2023

501801501 BİTKİ KORUMADA ÖRNEKLEME VE DENEME YÖNTEMLERİ(A), Postgraduate, 2022 - 2023

501802503 ENTOMOPATOJEN NEMATODLAR(A), Postgraduate, 2022 - 2023

501801505 İNGİLİZCE METİN İNCELEME VE MAKALE YAZIM TEKN.(A), Postgraduate, 2022 - 2023

501801507 NEMATOLOJİNİN PRENSİPLERİ(A), Postgraduate, 2022 - 2023

BİTKİ KORUMADA ÖRNEKLEME VE DENEME YÖNTEMLERİ, Postgraduate, 2022 - 2023

Undergraduate

MESLEKİ UYGULAMA I, Undergraduate, 2024 - 2025

KARIYER PLANLAMA, Undergraduate, 2024 - 2025

251316004 BAHÇE BİTKİLERİ ZARARLILARI(A), Undergraduate, 2022 - 2023

251612001 GENEL MİKROBİYOLOJİ(A), Undergraduate, 2022 - 2023

251514010 BİTKİ KORUMA(A), Undergraduate, 2022 - 2023

Bitki Koruma (Zootekni), Undergraduate, 2021 - 2022

Bitki Koruma (Bahçe Bitkileri), Undergraduate, 2021 - 2022

251611006 KARIYER PLANLAMA(A), Undergraduate, 2022 - 2023

Bitki Koruma (Tarımsal Biyoteknoloji), Undergraduate, 2021 - 2022

251215015 TARLA BİTKİLERİ ZARARLILARI(A), Undergraduate, 2022 - 2023

Bahçe Bitkileri Zararlıları, Undergraduate, 2021 - 2022

251515011 ENTOMOLOJİ(A), Undergraduate, 2022 - 2023

Bitki Koruma (Tarla Bitkileri), Undergraduate, 2021 - 2022

Tarla Bitkileri Zararlıları, Undergraduate, 2021 - 2022

Entomoloji, Undergraduate, 2021 - 2022

Nematoloji, Undergraduate, 2019 - 2020

Supervised Theses

Bozbuğa R., Bazı turunçgil anaçlarında nematod, viroid, tuzluluk arasındaki interaksiyonların moleküller ve morfolojik olarak belirlenmesi, Postgraduate, Ö.URTEKİN(Student), Continues

Bozbuğa R., Kök ur nematodu ve hiyar bitkisi arasındaki ilişkide fenilalanin amonyak-liaz gen ailesinin genom çapında tanımlanması ve ifade analizleri ile bazı fitokimyasal özelliklerin belirlenmesi, Postgraduate, M.KAYA(Student), Continues

Bozbuğa R., Bazı renkli fasulye genotiplerinin kök ur nematodu Meloidogyne javanica'ya karşı gösterdikleri reaksiyonların morfolojik ve moleküller olarak araştırılması, Postgraduate, J.Tunalı(Student), Continues

Bozbuğa R., Biber bitkisinde kök ur nematodu ile abiotik stres arasındaki ilişkinin morfolojik ve moleküller olarak belirlenmesi, Postgraduate, A.CESUR(Student), Continues

Bozbuğa R., Tohum kaplama ve bazı bitki ekstrakt uygulamalarının nematod enfeksiyonuna olan etkilerinin belirlenmesi,

Postgraduate, M.KOÇ(Student), Continues

Bozbuğa R., Pathicanda kök-ur nematodu ile kuraklık arasındaki ilişkinin transkriptomik analizi ile bazı aday genlerin ve

fitokimyasal özelliklerin belirlenmesi, Postgraduate, F.TOSUNER(Student), Continues

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bolu Abant İzzet Baysal Üniversitesi, November, 2024

Doctorate, Doctorate, Ankara Üniversitesi, November, 2024

Doctoral Examination, Doctoral Examination, Bolu Abant İzzet Baysal Üniversitesi, November, 2024

Doctorate, Doctorate, Niğde Ömer Halisdemir Üniversitesi, June, 2024

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Erciyes Üniversitesi, February, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bolu Abant İzzet Baysal Üniversitesi, January, 2023

Post Graduate, Post Graduate, Bolu Abant İzzet Baysal Üniversitesi, January, 2023

Post Graduate, Post Graduate, Bolu Abant İzzet Baysal Üniversitesi, January, 2023

Post Graduate, Post Graduate, Bolu Abant İzzet Baysal Üniversitesi, April, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. Occurrence and biodiversity of cyst nematodes in wheat and barley cultivation areas of Uşak Province, Türkiye

Türkay S., Yüksel E., Bozbuğa R., Dinçer D., Öcal A., Ulaş F., Sameeullah M., Dababat A., İmren M.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.48, pp.947-956, 2024 (SCI-Expanded)

II. Genetic diversity of Steinernema feltiae Filipjev, 1934 (Rhabditida: Steinernematidae) and Heterorhabditis bacteriophora Poinar, 1976 (Rhabditida: Heterorhabditidae) in potato production areas of Türkiye Türkiye'de patates üretim alanlarında, Steinernema feltiae Filipjev, 1934 (Rhabditida: Steinernematidae) ve Heterorhabditis bacteriophora Poinar, 1976 (Rhabditida: Heterorhabditidae) genetik çeşitliliği

YÜKSEL E., BOZBUĞA R., Gümüş Askar A., DiNçer D., SUSURLUK İ. A., İMREN M.

Türkiye Entomoloji Dergisi, vol.48, no.2, pp.229-238, 2024 (SCI-Expanded)

III. Heterodera schachtii (Nematoda: Heteroderidae) Associated with Cabbage-Cultivation Systems in Anatolia Region of Türkiye

Akyol G. B., Yüksel E., Elçi E., Bozbuğa R., Dababat A., İmren M., Toktay H.

Horticulturae, vol.10, no.6, 2024 (SCI-Expanded)

IV. Occurrence, identification, and diversity of parasitic nematodes in apple (*Malus domestica* Borkh.) orchards in the Central Anatolia Region of Turkey

YÜKSEL E., İMREN M., ÖZER G., BOZBUĞA R., Dababat A. A. A., CANHİLAL R.

JOURNAL OF PLANT DISEASES AND PROTECTION, vol.130, no.6, pp.1331-1346, 2023 (SCI-Expanded)

V. Incidence and diversity of plant-parasitic nematodes associated with wheat-cropping systems in the inner part of the Aegean Region of Turkey

Acan H., Yüksel E., Duman N., Öcal A., Dinçer D., Bozbuğa R., Yıldız Ş., Laaslı S., Amer M., Canhilal R., et al.

NEMATOLOGY, vol.1, no.1-12, pp.1-12, 2023 (SCI-Expanded)

VI. Nematode-citrus plant interactions: host preference, damage rate and molecular characterization of Citrus root nematode *Tylenchulus semipenetrans*

Bozbuga R., Yildiz S., Yuksel E., Özer G., Dababat A. A., Imren M.

PLANT BIOLOGY, vol.25, no.6, pp.871-879, 2023 (SCI-Expanded)

- VII. **Evaluation of Entomopathogenic Nematodes against Common Wireworm Species in Potato Cultivation**
 Askar A. G., Yüksel E., Bozbuğa R., Ocal A., Kutuk H., Dincer D., Canhilal R., Dababat A. A. A., Imren M. PATHOGENS, vol.12, no.2, 2023 (SCI-Expanded)
- VIII. **Diversity and Identification of Plant-Parasitic Nematodes in Wheat-Growing Ecosystems**
 Kecici A. I., Bozbuga R., Ocal A., Yuksel E., Ozer G., Yildiz S., Lahlali R., Slaats B., Dababat A. A., Imren M. MICROORGANISMS, vol.10, no.8, 2022 (SCI-Expanded)
- IX. **Pathogenesis-related gene *(PvPR1* and *PvPR2*) expression involved in *Meloidogyne incognita* parasitism and resistance reactions of common bean genotypes in host-nematode interactions**
 BOZBUĞA R., Ciftci V., YEKEN M. Z., İMREN M.
 BOTANY, no.8, pp.667-676, 2022 (SCI-Expanded)
- X. **Molecular analysis of nematode-responsive defence genes CRF1, WRKY45, and PR7 in Solanum lycopersicum tissues during the infection of plant-parasitic nematode species of the genus Meloidogyne**
 Bozbuga R.
 GENOME, vol.65, no.5, pp.265-275, 2022 (SCI-Expanded)
- XI. **Insecticidal effect of entomopathogenic nematodes and the cell-free supernatants from their symbiotic bacteria against different larval instars of Agrotis segetum (Denis & Schiffermuller) (Lepidoptera: Noctuidae)**
 Yuksel E., İMREN M., ÖZDEMİR E., BOZBUĞA R., CANHİLAL R.
 EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.32, no.1, 2022 (SCI-Expanded)
- XII. **Commonalities of Molecular Response in Tomato Plants against Parasitic Nematodes**
 Bozbuğa R.
 Biology Bulletin, vol.48, no.S2, pp.12-21, 2022 (SCI-Expanded)
- XIII. **Pathogenesis-related gene (*PvPR1* and *PvPR2*) expression involved in *Meloidogyne incognita* parasitism and resistance reactions of common bean genotypes in host-nematode interactions**
 BOZBUĞA R., Çiftçi V., Yeken M. Z., Imren M.
 Botany, vol.100, no.8, pp.667-676, 2022 (SCI-Expanded)
- XIV. **Effects of temperature and duration of storage on the hatching behaviour of *Heterodera latipons* (Nematoda: Heteroderidae)**
 Tatlı Y. A., Bozbuga R., Ozer G., Mokrini F., Lahlali R., Dababat A., Imren M.
 TURKISH JOURNAL OF ZOOLOGY, vol.45, no.1, pp.1-10, 2021 (SCI-Expanded)
- XV. **Expressions of Pathogenesis related 1 (PR1) Gene in *Solanum lycopersicum* and Influence of Salicylic Acid Exposures on Host-*Meloidogyne incognita* Interactions**
 Bozbuga R.
 DOKLADY BIOCHEMISTRY AND BIOPHYSICS, vol.494, no.1, pp.266-269, 2020 (SCI-Expanded)
- XVI. **Survey of *Pasteuria*, the parasitic bacterial group to plant parasitic nematodes in Turkey**
 Ozturk L., Behmand T., Avci G. G., Bozbuga R., MİRİK M., ELEKCİOĞLU İ. H.
 EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.30, no.1, 2020 (SCI-Expanded)
- XVII. **Effect of Mi Gene and Nematode Resistance on Tomato Genotypes Using Molecular and Screening Assay**
 Bozbuga R., DAŞGAN H. Y., Akhoundnejad Y., İMREN M., Gunay O. C., Toktay H.
 CYTOLOGY AND GENETICS, vol.54, no.2, pp.154-164, 2020 (SCI-Expanded)
- XVIII. **Host-specific signatures of the cell wall changes induced by the plant parasitic nematode, *Meloidogyne incognita***
 Bozbuga R., Lilley C. J., Knox J. P., Urwin P. E.
 SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- XIX. **Effect of *Purpureocillium lilacinum* on Root Lesion Nematode, *Pratylenchus thornei***
 KEPENEKÇİ İ., Toktay H., Oksal E., Bozbuga R., İMREN M.
 JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.24, no.3, pp.323-328, 2018 (SCI-

- Expanded)
- XX. **Distribution of Steinernematids and Heterorhabditids (Rhabditida: Steinernematidae and Heterorhabditidae) in the Southern Anatolia Region of Turkey**
 Canhilal R., Waeyenberge L., Toktay H., Bozbuga R., Cerintas R., Imren M.
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.26, no.4, pp.753-759, 2016 (SCI-Expanded)
- XXI. **Identification of common bean (*Phaseolus vulgaris*) genotypes having resistance against root knot nematode *Meloidogyne incognita***
 Bozbuga R., Dasgan H. Y., Akhoundnejad Y., Imren M., Toktay H., Kasapoglu E. B.
LEGUME RESEARCH, vol.38, no.5, pp.669-674, 2015 (SCI-Expanded)
- XXII. **Identification of genetic resistance to cereal cyst nematodes; *Heterodera avenae* (Wollenweber, 1924), *Heterodera filipjevi* (Madzhidov, 1981) Stelter and *Heterodera latipons* (Franklin, 1969) in some international bread wheat germplasms**
 Imren M., Toktay H., Bozbuga R., Orakci G. E., Dababat A., ELEKCİOĞLU İ. H.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.37, no.3, pp.277-282, 2013 (SCI-Expanded)
- XXIII. **Pathotype characterization of the cereal cyst nematode *Heterodera filipjevi* (Madzhidov, 1981) Stelter in Turkey**
 Toktay H., Imren M., Bozbuga R., Orakci G. E., Dababat A., ELEKCİOĞLU İ. H.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.37, no.2, pp.213-219, 2013 (SCI-Expanded)
- XXIV. **Determination of resistance against to Cereal cyst nematode, *Heterodera avenae* (Wollenweber, 1924) in some wheat germplasm**
 Imren M., Toktay H., Bozbuga R., Dababat A., ÖZKAN H., ELEKCİOĞLU İ. H.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.37, no.2, pp.229-238, 2013 (SCI-Expanded)
- XXV. **Pathotype determination of the cereal cyst nematode, *Heterodera avenae* (Wollenweber, 1924) in the Eastern Mediterranean Region in Turkey**
 Imren M., Toktay H., Bozbuga R., Dababat A., ELEKCİOĞLU İ. H.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.37, no.1, pp.13-19, 2013 (SCI-Expanded)
- XXVI. **THREAT OF TERRESTRIAL GASTROPODS DISTRIBUTING AT OLIVE AND CITRUS ORCHARDS IN ADANA PROVINCE, TURKEY**
 Bozbuga R., ELEKCİOĞLU N. Z.
BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE, vol.14, no.4, pp.445-448, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Role of Storage Duration and Conditions on the Survival and Pathogenicity of Entomopathogenic Nematodes**
 AKI O., YÜKSEL E., İMREN M., BOZBUĞA R., CANHİLAL R.
 Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.9, no.2, pp.176-185, 2023 (Peer-Reviewed Journal)
- II. **Molecular investigation of proteinase inhibitor (PI) gene in tomato plants induced by Meloidogyne species**
 BOZBUĞA R.
 Journal of Genetic Engineering and Biotechnology, vol.19, 2021 (ESCI)
- III. **Seralarda Kök Ur Nematodlarına (*Meloidogyne spp.*) (Nematoda: Meloidogynidae) Solarizasyon ve Toprak Fümidasyon Kombinasyonunun Etkisi**
 ÖZARSLANDAN A., Dinçer D., BOZBUĞA R.
 KSU TARIM VE DOĞA DERGİSİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.22, no.1, pp.45-51, 2019 (ESCI)
- IV. **Nevşehir İlinde Patates Kist Nematodlarının *Globodera rostochiensis* (Wollenweber, 1923)**

- Skarbilovich, 1959 ve Globodera pallida Stone 1973 (Tylenchida: Heteroderidae) Belirlenmesi**
 ÖZARSLANDAN A., Dinçer D., BOZBUĞA R., İMREN M., ELEKÇİOĞLU İ. H.
 Türk Tarım ve Doğa Bilimleri Dergisi, no.2, pp.125-129, 2019 (Peer-Reviewed Journal)
- V. **Alternative strategies to control root-knot nematodes (*Meloidogyne spp.*) with different irrigation systems in pepper greenhouses**
 TOKTAY H., İMREN M., BOZBUĞA R.
 BİTKİ KORUMA BÜLTENİ, vol.55, no.3, pp.215-224, 2015 (Peer-Reviewed Journal)
- VI. **Determining the Optimal Meloidogyne Incognita Inoculum Level, Inoculation Time, Pathogenicity and Gall Development on Tomato Roots for Resistance Experiments in Breeding Programs**
 BOZBUĞA R., İMREN M., KASAPOĞLU ULUDAMAR E. B., TOKTAY H., ELEKÇİOĞLU İ. H.
 Vegetos- An International Journal of Plant Research, vol.28, no.2, pp.70-75, 2015 (Peer-Reviewed Journal)
- VII. **Meloidogyne incognita (Kofoid & White, 1919) Chitwood ve Meloidogyne hapla (Chitwood, 1949) (Nemata: Meloidogynidae) Yumurtalarının Açılmasına Farklı Uygulamaların Etkisi ve İkinci Dönem Larvalarının Beslenmeden Yaşayabilme Süreleri**
 TOKTAY H., BOZBUĞA R., İMREN M., KASAPOĞLU ULUDAMAR E. B., ELEKÇİOĞLU İ. H.
 Türk Tarım ve Doğa Bilimleri Dergisi, vol.1, no.4, pp.509-515, 2014 (Peer-Reviewed Journal)
- VIII. **Pests And Natural Enemies Determined In Olive Orchards in Turkey**
 BOZBUĞA R., ELEKÇİOĞLU N. Z.
 Türk Bilimsel Derlemeler Dergisi, vol.1, no.1, pp.87-97, 2008 (Peer-Reviewed Journal)
- IX. **Pests of the palm (Palmae sp.) and date palm (Phoenix dactylifera) determined in Turkey and evaluation of red palm weevil (*Rhynchophorus ferrugineus* Olivier) (Coleoptera: Curculionidae)**
 BOZBUĞA R., Hazır A.
 EPPO Bulletin, vol.38, pp.127-131, 2008 (Scopus)
- X. **ADANA İLİNDE ZEYTİN SİNEĞİ, BACTROCERA OLEAE GMEL. (DIPTERA: TEPHRITIDAE)'NIN POPÜLASYON TAKİBİ VE VURUK ORANLARININ TESPİTİ**
 BOZBUĞA R., ULUSOY M. R.
 FEN ve MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.17, no.8, pp.41-50, 2008 (Peer-Reviewed Journal)

Books

- I. **Importance of Plant Parasitic Nematodes in Banana Plantations**
 Bozbuğa R., İmren M.
 in: Tarım Alanlarında Zararlı Türler ve Çözüm Önerileri, Gülay Kaçar, Editor, Pardigma akademi, Çanakkale, pp.111-124, 2024
- II. **Symbiotic Interactions among Plant Pests and Pathogens – Nematodes, Bacteria, Viroids, Viruses, Insects, and Other Organisms**
 Bozbuğa R., Arpacı B. B., Erol Ü. H., Gök Güler P., Arıdıcı Kara P., Yıldız H. N., Kahya D.
 in: Symbiotic Interactions - From Mutualistic Alliances to Parasitic Exploits , Dr. Habib Ali, Editor, IntechOpen, London, pp.1-28, 2024
- III. **Molecular, genetic, and morphological interactions of viruses, viroids, bacteria, insects, and nematodes on pepper**
 Arpacı B. B., Bozbuğa R., Gök Güler P., Yalçın Ateş S., Yıldız H. N., Arıdıcı Kara P.
 in: Pepper Virome Molecular Biology, Diagnostics and Management, Akhtar Ali and Rajarshi Kumar Gaur, Editor, Academic Press , London, pp.1-521, 2024
- IV. **IMPORTANT PESTS IN OLIVE ORCHARDS AND USING ENTOMOPATHOGENIC NEMATODES AS A BIOLOGICAL CONTROL**
 KAHYA D., BOZBUĞA R.
 in: TARIM ALANLARINDA ZARARLI TÜRLER VE ÇÖZÜM ÖNERİLERİ, KAÇAR GÜLAY, Editor, PA Paradigma Akademi Yayınları, pp.179-193, 2024
- V. **PLANT RESPONSES TO MELOIDOGYNE spp. INFECTION: MORPHOLOGICAL AND MOLECULAR**

ALTERATIONS IN ROOT DEVELOPMENT

BOZBUĞA R., DUMAN N., İMREN M.

in: BÖCEK VE NEMATODLARDA DAVRANIŞ ŞEKİLLERİ VE MÜCADELE OLANAKLARI, Kaçar Gülay, Editor, Paradigma Akademi Yayınları, pp.18-45, 2023

VI. Host-Pathogen and Pest Interactions: Virus, Nematode, Viroid, Bacteria, and Pests in Tomato Cultivation

Bozbuğa R., Yalcin Ates S., Gök Güler P., Yıldız H. N., Arıdıcı Kara P., Arpacı B. B., İmren M.

in: Tomato - From Cultivation to Processing Technology , P. Viskelis,D. Urbonavičienė,& J. Viskelis, Editor, IntechOpen, London, 2022

VII. Pests, diseases, nematodes, and weeds in strawberry plant growth and fruit ripening

Bozbuğa R., Uluışık S., Aridici Kara P., Yuceer S., Gunacti H., Gok Guler P., Ince E., Yildiz H. N., Tetik O.

in: Strawberries, Nesibe Ebru Kafkas, Editor, IntechOpen, London, 2022

VIII. Genetic modification of plant hormones induced by parasitic nematodes, virus, viroid, bacteria, and phytoplasma in plant growing

Bozbuğa R., Arpacı B. B., Uluışık S., Gök Güler P., Yıldız H. N., Yalcin Ates S.

in: Plant Hormones - Recent Advances, New Perspectives and Applications, Christophe Hano, Editor, IntechOpen, London, 2022

IX. Molecular Host-Nematode Interactions and Tuber Development

Bozbuğa R., Uluışık S.

in: Solanum tuberosum - A Promising Crop for Starvation Problem, Mustafa Yildiz and Yasin Ozgen, Editor, IntechOpen, London, pp.1-22, 2021

X. Genetics, Molecular Interactions and Resistance Response of Common Bean (*Phaseolus vulgaris L.*) Genotypes to Root Knot Nematodes (*Meloidogyne spp*)

Bozbuğa R.

in: Cutting-edge Research in Agricultural Sciences Vol 3, Prof Dr. Abd Elmoneim Osman Elkhalifa, Editor, Book Publisher International, London, pp.78-83, 2020

Papers Published in Refereed Scientific Meetings

I. Insect Pests and Plant Parasitic Nematode Species Causing Damage in Kiwifruit Orchards

Kahya D., Bozbuğa R.

6. BİLSEL International World Scientific and Research Congress, İstanbul, Türkiye, İstanbul, Turkey, 28 - 29 December 2024, vol.3, pp.2571-2576

II. INSECT PESTS AND PLANT PARASITIC NEMATODE SPECIES CAUSING DAMAGE IN AVOCADO ORCHARDS

Kahya D., Bozbuğa R.

6. BİLSEL INTERNATIONAL WORLD SCIENCE AND RESEARCH CONGRESS, İstanbul, Turkey, 28 - 29 December 2024, pp.2594-2595

III. Bazı Renkli Fasulye Genotiplerinin Kök Ur Nematoduna Karşı Reaksiyonları

Bozbuğa R., Tunalı J., Erol Ü. H.

6. Bilsel International World Scientific and Research Congress, İstanbul, Turkey, 28 - 29 December 2024, vol.1, pp.233

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BOZBUĞA R., KAHYA D.

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V. THE ROLE OF ENTOMOPATHOGENIC NEMATODES AS ADVANCING BIOLOGICAL CONTROL IN SUSTAINABLE MOSQUITO CONTROL

KAHYA D., BOZBUĞA R.

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Kahya D., Bozbuğa R.
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Kahya D., Bozbuğa R.
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Bozbuğa R., Kahya D.
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Kahya D., Bozbuğa R.
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- XII. DROSOPHILA SUZUKII'NIN ENTOMOPATOJEN NEMATODLAR İLE BİYOLOJİK MÜCADELESİ: MEVCUT ARAŞTIRMALAR VE POTANSİYEL UYGULAMALAR ÜZERİNE BİR İNCELEME
Kahya D., Bozbuğa R.
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3rd International Congress on Multidisciplinary Natural Sciences, Ankara, Turkey, 7 - 08 December 2023, pp.57-61
- XVI. **Interactions Between Red Palm Weevil, *Rhynchophorus ferrugineus* (Oliver, 1790) (Coleoptera: Curculionidae), and Entomopathogenic Nematodes**
BOZBUĞA R., KAHYA D.
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3rd International Congress on Multidisciplinary Natural Sciences and Engineering, Ankara, Turkey, 7 - 08 December 2023, pp.62-67
- XVIII. **OVERVIEW OF THE NEMATODE-BACTERIA-INSECT RELATIONSHIP: INSIGHTS FOR BIOLOGICAL PEST CONTROL STRATEGIES**
BOZBUĞA R., KAHYA D.
V. BALKAN AGRICULTURAL CONGRESS, Edirne, Turkey, 20 - 23 September 2023, pp.131
- XIX. **Current status of Interaction Between Lepidopteran Larvae and Entomopathogenic Nematodes for Pest Management Strategies**
KAHYA D., BOZBUĞA R.
V. BALKAN AGRICULTURAL CONGRESS, Edirne, Turkey, 20 - 23 September 2023, pp.132-129
- XX. **EVALUATING THE EFFECTS OF *Eucalyptus camaldulensis* LEAF EXTRACTS ON *Meloidogyne incognita*: LABORATORY AND GREENHOUSE EVALUATIONS FOR NEMATODE CONTROL**
BOZBUĞA R.
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KAHYA D., BOZBUĞA R.
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- XXII. **THE POTENTIAL USE OF ENTOMOPATHOGENIC NEMATODES IN THE CONTROL OF SUNNPEST (*Eurygaster spp.* (HEMIPTERA: SCUTELLARIDAE))**
KAHYA D., BOZBUĞA R.
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BOZBUĞA R.
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- XXXIII. **Control and Awareness Studies on Spotted wing drosophila (*Drosophila suzukii* Mats. 1931 Dip.: Drosophilidae) and Plant parasitic nematodes in The Cherry Orchards of Saimbeyli and Pozantı Districts.**
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- XXXIX. **Using Entomopathogenic Nematodes to Control Fall Webworm, *Hyphantria cunea* Drury (Lepidoptera: Arctiidae), in Hazelnut Grove**
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- XLI. **COMPARISON OF SEVERAL RNA EXTRACTION METHODS FOR GENE EXPRESSION STUDIES IN VIROID-NEMATODE INTERACTIONS**
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- XLII. **CALRETİCULİN GENİ KULLANARAK MELOİDOGYNE TÜRLERİNDE MOLEKÜLER FILOGENETİĞİ**
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- XLV. **Molecular phylogeny of human and phyto nematode-parasites using ribosomal RNA gene**
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- XLVII. **Effects of Ficus carica leaf extracts on Meloidogyne incognita development in tomato plants**
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- LXI. Genetic Similarities of Some Meloidogyne Species Using Major Sperm Protein Gene
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- LXII. USING RIBOSOMAL DNA SEQUENCES FOR MOLECULAR PHYLOGENETICS OF POTATO NEMATODES IN TURKEY
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- LXIV. EFFECT OF SOIL SOLARIZATION AGAINST ROOT-ROT NEMATODES (MELOIDOGYNE spp.) (NEMATODA: MELOIDOGYNIDAE) IN PEPPER PRODUCTION
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- LXV. LAHANALARDA ZARAR YAPAN ŞEKERPANCARI KİST NEMATODU (*Heterodera schachtii*)'NUN NİĞDE İLİNDE DURUMU VE MÜCADELESİ
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- LXVIII. Studies on the Cereal Nematodes, *Heterodera* spp. and *Pratylenchus* spp. in East Anatolian Region of Turkey
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- LXIX. **IMPORTANCE OF PLANT PARASITIC NEMATODES (*HELICOTYLENCHUS MULTICINCTUS*, *H. DIHYSTERA* AND *MELOIDOGYNE* spp. (*NEMATA*)) IN BANANA GROWING AREAS OF TURKEY**
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- LXX. **Meloidogyne incognita induced cell wall molecular architecture and role of cell wall related genes on nematode development**
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- LXXI. **Determining of Genetic Variations Among Root Knot Nematode Species Using Cytochrome Oxidase Subunit II Gene**
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- LXXII. **Entomopatojen Nematodların Sulu Süspansiyon ve Enfekte Kadavra Şeklindeki Uygulamalarının Sera-Saksı Çalışmalarıyla, Patlıcanda Meloidogyne javanica Karşı Etkinliğinin Araştırılması**
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- LXXIII. **Determination of Genetic Diversity Among Root Knot Species Using Multi-Genes in Turkey**
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- LXXIV. **Sera Koşullarında Entomopatojen Nematodların Sulu Süspansiyon ve Enfekte Kadavra Uygulamalarının Kök Yara Nematodu, *Pratylenchus thornei*"ye Karşı Etkinlikleri**
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- LXXVII. **Giant cell wall molecular structure and role of plant cell wall related genes on development of Meloidogyne incognita**
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- LXXVIII. **GENETIC RESISTANCE TO CEREAL NEMATODES: *HETERODERA* spp. AND *PRATYLENCHUS* spp. IN TURKEY**
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- LXXIX. **CURRENT DATA ON PATHOTYPE CHARACTERISATION AND RESISTANCE REACTIONS OF CEREAL CYST NEMATODES: *HETERODERA AVENAE* AND *HETERODERA FILIPJEVI* IN TURKEY**
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- LXXX. **ANALYSING THE MOLECULAR ARCHITECTURE OF NEMATODE-INDUCED GALLS BY USING ENZYME-LINKED IMMUNOSORBENT ASSAY**
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- LXXXI. **Giant cell wall molecular architecture and functions of cell wall genes in feeding site of Meloidogyne incognita**
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- LXXXII. **OCCURRENCE AND DISTRIBUTION OF CEREAL NEMATODES IN EAST ANATOLIAN REGION OF TURKEY**

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- LXXXIII. **THE CEREAL CYST NEMATODES, HETERODERA AVENAE WOLLENWEBER IN TURKEY: LONG TERM RESEARCH WITH REGIONAL IMPLICATIONS**
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- XC. **Güneydoğu Anadolu Bölgesi Buğday Alanlarında Bulunan Önemli Bitki Parazit Nematod Türlerinin Belirlenmesi**
KASAPOĞLU ULUDAMAR E. B., İMREN M., BOZBUĞA R., TOKTAY H., ELEKÇİOĞLU İ. H.
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- XCI. **Doğu Akdeniz Bölgesi Buğday alanlarında tahıl kist nematodu türlerinin belirlenmesi**
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- XCII. **Farklı *Meloidogyne incognita* (Kofoid & White, 1919) İnokulum Seviyelerinin in vitro Koşullarda Domates Bitkilerinde Gal Oluşumuna Etkisi**
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- XCIII. **Adana ve Kahramanmaraş illerinde entomopatojen nematodların belirlenmesi**
CANHİLAL R., İMREN M., TOKTAY H., BOZBUĞA R., ÇETİNTAŞ R., KÜTÜK H., Özdemir Y. E., Doğan S.
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- XCIV. **Doğu Anadolu Bölgesi Buğday Alanlarında Tahıl Kist Nematodu, (*Heterodera* spp.) Türlerinin Belirlenmesi**
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- XCV. **Modification of giant cell wall molecular architecture by *Meloidogyne incognita***
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- XCVI. **Türkiye patates yetişiriciliğinde sorun olan önemli nematod türleri**
TOKTAY H., İMREN M., BOZBUĞA R., Öcal A., ELEKÇİOĞLU İ. H., Evlice E., KEPENEKCİ İ.
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- XCVII. **Screening of International spring Wheat Germplasms against the Cereal Cyst Nematodes (Heterodera avenae) and the Root Lesion Nematodes (Pratylenchus thornei and P. neglectus) in-vitro Conditions in 2012, Turkey**
ELEKÇİOĞLU İ. H., İMREN M., TOKTAY H., BOZBUĞA R., BRAUN H., DABABAT A.
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- XCVIII. **New sources of Resistance against the Root Lesion Nematodes, Pratylenchus thornei Sher et Allen in some National and International Wheat Germplasm**
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- XCIX. **Survival of the Root knot nematodes (Meloidogyne spp.) without feeding**
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- C. **Resistance screening of national and international spring wheat against the cereal cyst nematode (Heterodera avenae) and the root lesion nematodes (Pratylenchus thornei and P. neglectus) under controlled conditions in Turkey**
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- CII. **Status of cereal cyst nematodes in Turkey**
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- CIII. **Efficency of the Cre1 gene against the Mediterranean Cereal Cyst nematode, Heterodera latipons**
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- CIV. **Investigation of resistance against the cereal cysts nematode, Heterodera avenae, in wheat germplasm**
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- CV. **Determination of some Cre genes efficiency against the cereal cyst nematodes, Heterodera avenae, H. filipjevi and H. Latipons**
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- CVI. **Morphological Diagnostics of Cereal Cyst Nematodes**
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Supported Projects

KAHYA D., BOZBUĞA R., ÇOLAK H., Project Supported by Higher Education Institutions, Eskişehir İlindeki Park ve Peyzaj Alanlarında Zararlı Böcek Türleri ile Parazitoit Predatör ve Entomopatojen nematodların Biyoçeşitliliği Belirlenerek Sürdürülebilir Tarım İçin Potansiyel Bazı Faydalı Böceklerin Kitle Üretim Olanakları Araştırılması, 2023 - Continues
Van Heese E., Bozbuğa R., Van Bruggen A. S., Gabl I., Vestergård Madsen M., Santala J., EU Supported Other Project, Melo-

Survey: detection and distribution of *Meloidogyne chitwoodi* and *M. fallax* within Europe, 2023 - 2026

Özkan K., Çömlekçioglu N., Seke E., Ünal F., Bozbuğa R., Önder S., Kartal Y., Kahya D., TUBITAK Project, Yapay Zeka İle Sera Koşullarındaki Hiyar Yetiştiriciliğinde Bazı Hastalık Ve Zararlıların Erken Dönemde Tanısı Ve İzlenmesi, 2023 - 2025

Bozbuğa R., Gök Güler P., İnce E., EU Supported Other Project, Inventory and validation of quality control procedures for the extraction of nucleic acids for realtime PCR used for the diagnosis of pests, 2022 - 2025

Bozbuğa R., Demirbaş Pehlivan H., Dinçer D., EU Supported Other Project, Preventing *Meloidogyne graminicola* spread in rice pads within Europe, 2022 - 2025

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Bozbuğa R., Gök Güler P., Yegül M., EU Supported Other Project, Diagnosis and epidemiology of viruses infecting cereal crops, 2022 - 2024

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Bozbuğa R., Kaçar G., TUBITAK Project, Fındık Bahçelerinde Amerikan Beyaz Kelebeği'nin Mücadele Olanaklarının Araştırılması, 2018 - 2022

Bozbuğa R., Mavi K., TUBITAK Project, *Capsicum Spp*'de *Meloidogyne incognita*'ya Karşı Dayanıklılık Sağlayan, P9 Kromozomunda Bulunan Me Genlerinin (Me3, Me4, Mech1, Mech2, Me7) Farklı Moleküller Markırlar (Scar, Sscp, Caps) Kullanılarak Belirlenmesi, 2019 - 2020

Bozbuğa R., Öztürk L., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Trakya Bağ Alanlarında Nematod Türlerinde Parazit Olan *Pasteuria spp.* Türleri, Patojeniteleri ve Biyolojik Mücadelede Kullanılma Olanaklarının Araştırılması, 2015 - 2018

Bozbuğa R., Toktay H., TUBITAK Project, Doğu Anadolu Bölgesi Buğday Alanlarında Tahıl Kist Nematodu (*Heterodera avenae* Group) ve Kök Yara Nematodu (*Pratylenchus Spp.*) Türlerinin Belirlenmesi ve Tahıl Kist Nematodu Popülasyonlarına Ait Irkların Tespiti İle Bazı Yerel Çeşitlerin Bu Nematodlara Karşı Çoklu Dayanıklılığının Araştırılması, 2013 - 2016

Bozbuğa R., Canhilal R., TUBITAK Project, Adana ve Kahramanmaraş İllerinde Entomopatojen Nematodların Doğal Dağılımının Belirlenmesi, Morfometrik/Moleküller Karakterizasyonu ve *Zabrus Spp.*'nın Karşı Etkinliklerinin Araştırılması, 2012 - 2016

Bozbuğa R., Toktay H., FP7 Project, Entegre bitki sağlığı stratejilerinin desteklenmesinde Kök-ur nematodu *Meloidogyne enterolobii*'nin tanımlama ve teşhis konusunda, yeni metodların geliştirilmesi ve denenmesi, 2012 - 2016

Peer Reviews in Scientific Publications

PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY, Journal Indexed in SCI-E, December 2024
PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY, Journal Indexed in SCI-E, December 2024
Black Sea Journal of Agriculture, National Scientific Refreed Journal, November 2024
PHYTOPARASITICA, Journal Indexed in SCI-E, October 2024
JOURNAL OF INTEGRATIVE AGRICULTURE, Journal Indexed in SCI-E, May 2024
Anatolian Journal of Botany, National Scientific Refreed Journal, February 2023
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Scientific Project Refereeing

TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, November 2021
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Metrics

Publication: 152
Citation (WoS): 117
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H-Index (Scopus): 9

Congress and Symposium Activities

8th International Cereal Nematodes Symposium, Attendee, Bolu, Turkey, 2022
7th International Congress of Nematology, Attendee, Antibes, France, 2022
8th Plant Protection Congress with International Participation, Attendee, Bolu, Turkey, 2021
Entomopathogens and Microbial Control Congress, Invited Speaker, Kayseri, Turkey, 2019
UMCAK I. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR VE ARAŞTIRMALAR KONGRESİ , Attendee, Şanlıurfa, Turkey, 2019

Scholarships

PhD bursu (somepart), University, 2013 - 2017

Awards

Bozbuğa R., Teşekkür belgesi, Eskişehir Osmangazi Üniversitesi, January 2024
Bozbuğa R., Teşekkür Belgesi, Eskişehir Osmangazi Üniversitesi, January 2023
Bozbuğa R., Nematology, Nematology, May 2022
Bozbuğa R., Onur belgesi, Gıda Tarım Ve Hayvancılık Bakanlığı, January 2021
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Bozbuğa R., BSPP Travel Fund, British Plant Pathological Society, January 2016

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