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Personal Information

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International Researcher IDs

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Education Information

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2014 - Continues

Lecturer PhD, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 1989 - 2014

Research Assistant, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 1987 - 1989

Courses

Hayvan Fizyoloji, Undergraduate, 2016 - 2017

Hayvan Fizyolojisi Lab., Undergraduate, 2016 - 2017

Hayvan Fizyolojisi, Undergraduate, 2015 - 2016

Hayvan Fizyolojisi Laboratuvarı, Undergraduate, 2015 - 2016

ZBK-104 Zooloji, Undergraduate, 2014 - 2015

ZBK-104 zooloji laboratuvarı, Undergraduate, 2014 - 2015

B-474 Bitirme Projesi (Zooloji), Undergraduate, 2014 - 2015

B 102 GENEL BİYOLOJİ Lab., Undergraduate, 2013 - 2014

B353 HAYVAN FİZYOLOJİSİ LAB., Undergraduate, 2012 - 2013

B-360 Biyokimya Lab., Undergraduate, 2012 - 2013

B-355 Omurgasız Hayvanlar Laboratuvarı, Undergraduate, 2009 - 2010

Radyobiyoloji Lab., Undergraduate, 2008 - 2009

B-470 Parazitoloji Lab., Undergraduate, 2008 - 2009

Entomoloji Lab, Undergraduate, 2008 - 2009

Advising Theses

KARAKAŞ M., Determination of the bioinsecticide effects of aromatic plants on storage pest *Sitophilus granarius* L. (Granary weevil) and molecular evaluation of results, Postgraduate, R.DUYAR(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Modeling DNA Methylation Profiles and Epigenetic Analysis of Safflower (*Carthamus tinctorius* L.) Seedlings Exposed to Copper Heavy Metal**
Bölükbaşı E., KARAKAŞ M.
Toxics, vol.11, no.3, 2023 (SCI-Expanded)
- II. **Repellency potential of certain herbal root samples against the granary weevil, *sitopiil us granarius* l. (coleoptera: Curculionidae) adults in stored wheat grains**
KARAKAŞ M.
Fresenius Environmental Bulletin, vol.29, no.10, pp.9232-9240, 2020 (SCI-Expanded)
- III. **REPELLENCY POTENTIAL OF CERTAIN HERBAL ROOT SAMPLES AGAINST THE GRANARY WEEVIL, *SITOPHILUS GRANARIUS* L. (COLEOPTERA: CURCULIONIDAE) ADULTS IN STORED WHEAT GRAINS**
KARAKAŞ M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.10, pp.9232-9240, 2020 (SCI-Expanded)
- IV. **The effect of Saharan dust on the copper uptake by *Lemna minor***
RASHİDİ A., FİKİRDEŞİCİ ERGEN Ş., KARAKAŞ M., Saydam A. C., ALTINDAĞ A.
ARCHIVES OF ENVIRONMENTAL PROTECTION, vol.45, no.4, pp.84-91, 2019 (SCI-Expanded)
- V. **Assessment of heavy metal contamination in Sfrface sediment from the Middle Black Sea coast of Tfrkey**
Ergen S. F., KARAKAŞ M., ALTINDAĞ A., MUTLU EYİSON H.
Fresenius Environmental Bulletin, vol.28, no.11, pp.8001-8011, 2019 (SCI-Expanded)
- VI. **ASSESSMENT OF HEAVY METAL CONTAMINATION IN SURFACE SEDIMENT FROM THE MIDDLE BLACK SEA COAST OF TURKEY**
FİKİRDEŞİCİ ERGEN Ş., KARAKAŞ M., ALTINDAĞ A., MUTLU EYİSON H.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.11, pp.8001-8011, 2019 (SCI-Expanded)
- VII. **Medicinal properties of *allium calocephalum* collected from gara mofntain (Iraq)**
Mohammed F. S., KARAKAŞ M., AKGÜL H., Sevindik M.
Fresenius Environmental Bulletin, vol.28, no.10, pp.7419-7426, 2019 (SCI-Expanded)
- VIII. **MEDICINAL PROPERTIES OF ALLIUM CALOCEPHALUM COLLECTED FROM GARA MOUNTAIN (IRAQ)**
Mohammed F. S., KARAKAŞ M., AKGÜL H., Sevindik M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.10, pp.7419-7426, 2019 (SCI-Expanded)
- IX. **FUNGI ASSOCIATED WITH EGG MASSES AND FEMALES OF PLANT PARASITIC NEMATODE *MELOIDOGYNE INCOGNITA* (NEMATODA: HETERODERIDAE)**
Karakas M.
BANGLADESH JOURNAL OF BOTANY, vol.44, no.3, pp.373-378, 2015 (SCI-Expanded)
- X. **Effects of some cultural conditions on the growth of nematophagous fungus *pochonia chlamydosporia* (fungi: Clavicipitaceae) isolated from *meloïdogyne incognita* eggs**
KARAKAŞ M., BENLİ M., CEBESÖY S.
Journal of Animal and Veterinary Advances, vol.11, no.24, pp.4644-4647, 2012 (SCI-Expanded)
- XI. **RNA interference in plant parasitic nematodes**
Karakas M.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.15, pp.2530-2534, 2008 (SCI-Expanded)
- XII. **Life cycle and mating behavior of *Helicotylenchus multicinctus* (Nematoda : Hoplolaimidae) on excised *Musa cavendishii* roots**
Karakas M.
BIOLOGIA, vol.62, no.3, pp.320-322, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of some aromatic leaf extracts on egg hatching of root-knot nematode, *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 (Nematoda: Meloidogynidae)**
KARAKAŞ M.
International Journal of Zoology Studies, vol.5, no.5, pp.1-4, 2020 (Peer-Reviewed Journal)
- II. **Feeding Structures and Parasitic Properties in Plant-Parasitic Nematodes**
KARAKAŞ M.
International Journal of Zoology Studies, vol.5, no.3, pp.34-37, 2020 (Peer-Reviewed Journal)
- III. **Nematode-Destroying Fungi: Infection Structures, Interaction Mechanisms and Biocontrol**
KARAKAŞ M.
Communications/ Faculty of Sciences University of Ankara Series C: Biology and Geological Engineering and Geophysical Engineering, vol.29, no.1, pp.176-201, 2020 (Peer-Reviewed Journal)
- IV. **Antifeedant and Repellent Effects of Root Ekstracts of Some Aromatic Plants Against Bean Weevil *Acanthoscelides obtectus* Say (Coleoptera: Bruchidae)**
KARAKAŞ M.
International Journal of Entomology Research, vol.5, no.2, pp.33-37, 2020 (Peer-Reviewed Journal)
- V. **A Review: Using Marigolds (*Tagetes* spp.) as an Alternative to Chemical Nematicides for Nematode Management**
KARAKAŞ M., BÖLÜKBAŞI E.
Journal of Advanced Engineering, Management and Science, vol.5, no.9, pp.556-560, 2019 (Peer-Reviewed Journal)
- VI. **Effect of Zinc Heavy Metal on Stress-Related Genes in Tomato (*Solanum lycopersicum* L.) Plants**
BÖLÜKBAŞI E., KARAKAŞ M.
Journal of Environment, Agriculture and Biotechnology, vol.4, no.4, pp.1211-1216, 2019 (Scopus)
- VII. **Evaluation of threat categories of the endemic plants of Deveci Mountains (Yozgat-Tokat/Turkey)**
BİNGÖL M. Ü., BALPINAR N., GÜNEY K., GEVEN F., KETENOĞLU A. O., ARSLAN M., KARAKAŞ M.
Communications Faculty of Sciences University of Ankara Series C: Biology, vol.28, no.1, pp.22-34, 2019 (Peer-Reviewed Journal)
- VIII. **Önemli Bazı Bitkisel İnsektisitler**
KARAKAŞ M.
Türkiye Bilimsel Derlemeler Dergisi, vol.11, no.2, pp.32-37, 2018 (Peer-Reviewed Journal)
- IX. **Grain protectant efficacy of some plant extracts against granary weevil *Sitophilus granarius* L. (Coleoptera: Curculionidae)**
KARAKAŞ M.
International Journal of Entomology Research, vol.3, no.4, pp.17-19, 2018 (Peer-Reviewed Journal)
- X. **Repellent effect of some aromatic plant extracts against granary weevil *Sitophilus granarius* L. (Coleoptera: Curculionidae)**
KARAKAŞ M.
International Journal of Entomology Research, vol.3, no.2, pp.53-56, 2018 (Peer-Reviewed Journal)
- XI. **Bio-insecticide effect of black cumin against Granary weevil, *Sitophilus granarius* L. (Coleoptera: Curculionidae) on stored wheat**
KARAKAŞ M., BÖLÜKBAŞI E.
International Journal of Entomology Research, vol.2, no.4, pp.38-40, 2017 (Peer-Reviewed Journal)
- XII. **Use of aromatic plant extracts as bio-insecticides for the control of stored-product insect, *Sitophilus Granarius***
KARAKAŞ M.
International Journal of Entomology Research, vol.2, no.1, pp.27-29, 2017 (Peer-Reviewed Journal)
- XIII. **Toxic Effect of Some Plant Extracts on the Productivity of Wheat Granary Weevil *Sitophilus granarius* L. Coleoptera Curculionidae**
KARAKAŞ M.
Manas Journal of Agriculture and Life Science, vol.6, no.1, pp.36-40, 2016 (Peer-Reviewed Journal)

- XIV. **Toxic repellent and antifeedant effects of two aromatic plant extracts on the wheat granary weevil *Sitophilus granarius* L Coleoptera Curculionidae**
KARAKAŞ M.
International Journal of Entomology Research, vol.1, no.6, pp.24-28, 2016 (Peer-Reviewed Journal)
- XV. **Bio insecticide effect of Some Aromatic Plant Extracts on the Granary Weevil *Sitophilus granarius* L Coleoptera Curculionidae**
KARAKAŞ M.
European International Journal of Science and Technology, vol.5, no.3, pp.29-34, 2016 (Peer-Reviewed Journal)
- XVI. **BESİN ALERJİSİ ve BESİN İNTOLERANSI**
KARAKAŞ M.
Tabiat ve İnsan, vol.50, no.193, pp.29-35, 2016 (Peer-Reviewed Journal)
- XVII. **Helminth parasites of *Bufo viridis* *Rana ridibunda* and *Hyla arborea* collected from the different regions of Turkey**
KARAKAŞ M., ALTINTAŞ N., KAYIKÇIOĞLU Ö. R., KAYA I., AŞÇI M., TÜREL S.
Manas Journal of Agriculture and Life Science, vol.5, no.1, pp.1-6, 2015 (Peer-Reviewed Journal)
- XVIII. **The effect of earthworms on vertical dispersal of entomopathogenic nematode *Steinernema feltiae* *Rhabditida Steinernematidae***
KARAKAŞ M.
Dicle Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.4, no.2, pp.83-86, 2015 (Peer-Reviewed Journal)
- XIX. **Reproductive potential of the root lesion nematode *Pratylenchus penetrans* Cobb 1917 Sher and Allen 1953 Nematode *Pratylenchidae* in monoxenic cultures**
KARAKAŞ M.
European International Journal of Science and Technology, vol.4, no.4, pp.105-110, 2015 (Peer-Reviewed Journal)
- XX. **Mantar Zehirlenmeleri**
AKATA I., KARAKAŞ M.
Tabiat ve İnsan, vol.189, pp.24-32, 2015 (Peer-Reviewed Journal)
- XXI. **Determining with SEM structure of the venom apparatus in the tube web spider *Segestria florentina* *Araneae Segestriidae***
BENLİ M., YİĞİT KAYHAN N., KARAKAŞ M., CEBESÖY S.
JOURNAL OF ENTOMOLOGY AND ZOOLOGY STUDIES, vol.1, no.4, pp.61-65, 2013 (Peer-Reviewed Journal)
- XXII. **Classification of cell death**
VURAL F., CEBESÖY S., KARAKAŞ M.
Journal of Entomology and Zoology Studies, vol.1, no.5, pp.22-28, 2013 (Peer-Reviewed Journal)
- XXIII. **Reproduction Behavior of *Aphelenchoides composticola* Nematoda *Aphelenchoididae* on Cultivated Mushrooms**
KARAKAŞ M., AKATA I.
Kafkas Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.2, no.2, pp.25-28, 2009 (Peer-Reviewed Journal)
- XXIV. **Life cycle and mating behavior of *Zygotylenchus guevarai* (Nematode *Pratylenchidae*) on excised *Petroselinum crispum* roots**
KARAKAŞ M.
Pakistan Journal of Biological Sciences, vol.10, no.22, pp.4152-4155, 2007 (Scopus)
- XXV. **Cuticle Ultrastructure of Second Stage Juvenile of *Anguina tritici* (Steinbuch, 1799) (Nematoda: *Anguinidae*)**
KARAKAŞ M., ÖZSOY ERDAŞ N., GÜL N., CEBESÖY S.
F.Ü.Fen Müh.Bil.Der., vol.15, no.3, pp.321-327, 2003 (Peer-Reviewed Journal)
- XXVI. ***Anguina tritici* (Steinbach, 1799) İkinci Devre Juvenil morfolojisi**
KARAKAŞ M., GÜL N., ÖZSOY ERDAŞ N., CEBESÖY S.
G.Ü.Fen Bil.Der., vol.13, no.1, pp.171-178, 2000 (Peer-Reviewed Journal)
- XXVII. **Buğday Gal Nematodu, *Anguina tritici* (Steinbach)**
KARAKAŞ M., GÜL N., ÖZSOY ERDAŞ N., CEBESÖY S.
C.Ü.Fen-Edb.Fak.Fen.Bil.Der., vol.21, pp.5-15, 1999 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **MOLEKÜLER MODEL ORGANİZMA: NEMATODLAR**
KARAKAŞ M., BÖLÜKBAŞI E.
LAP-LAMBERT ACADEMIC PUBLISHING, 2019
- II. **SİNAPS FİZYOLOJİSİ**
KARAKAŞ M., BÖLÜKBAŞI E.
LAP Lambert Academic Publishing, 2017
- III. **Hayvan Fizyolojisi Laboratuvar Kılavuzu**
KARAKAŞ M.
Ankara Üniversitesi Matbaası, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Bio-Insecticide Effect of Black Cumin against Granary Weevil (*Sitophilus granarius*) on Stored Wheat**
KARAKAŞ M., BÖLÜKBAŞI E.
INTERNATIONAL ECOLOGY SYMPOSIUM 2017, Kayseri, Turkey, 11 - 13 May 2017, vol.1, pp.459
- II. **MODEL ORGANISMS and MOLECULAR APPLICATIONS**
KARAKAŞ M., BÖLÜKBAŞI E.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017, vol.1, pp.128
- III. **EXPRESSION OF STRESS-RELATED GENES IN TOMATO (*Solanum lycopersicum* L.) PLANTS EXPOSED TO ZINC STRESS**
KARAKAŞ M., BÖLÜKBAŞI E., ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, Kırşehir, Turkey, 24 - 28 April 2017, vol.1, pp.26
- IV. **Use of Aromatic Plant Extracts as Bio Insecticides For the Control of Stored Product Insect *Sitophilus Granarius***
KARAKAŞ M.
INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES (ICBS), Konya, Turkey, 21 - 23 October 2016, vol.1, pp.123
- V. **Classification of Cell Death**
VURAL F., CEBESÖY S., KARAKAŞ M.
3. International Congress of Molecular Biology and Biotechnology, Sarajevo, Bosnia And Herzegovina, 02 June 2014
- VI. **Structure of the venom apparatus in the tube web spider *Segestria florentina* Araneae Segestriidae**
BENLİ M., KARAKAŞ M., YİĞİT KAYHAN N.
KIRGIZISTAN-TÜRKİYE MANAS ÜNİVERSİTESİ 1. ULUSLARARASI BİYOLOJİ KONGRESİ, Kyrgyzstan, 24 - 27 September 2012
- VII. **Helminth parasites of some amphibians collected from the different regions in Turkey**
KARAKAŞ M., BENLİ M.
KIRGIZISTAN-TÜRKİYE MANAS ÜNİVERSİTESİ 1. ULUSLARARASI BİYOLOJİ KONGRESİ, Kyrgyzstan, 24 - 27 September 2012

Metrics

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