

## Asst. Prof. FEVZİ UÇKAN

### Personal Information

Office Phone: [+90 262 303 2153](tel:+902623032153)

Fax Phone: [+90 262 303 2153](tel:+902623032153)

Email: [fevzi.uckan@kocaeli.edu.tr](mailto:fevzi.uckan@kocaeli.edu.tr)

Web: <https://avesis.kocaeli.edu.tr/fevzi.uckan>

Address: Kocaeli Üniversitesi Fen-Edebiyat Fakültesi Biyoloji bölümü İzmit-KOCAELİ

### International Researcher IDs

ORCID: 0000-0001-9304-4296

Publons / Web Of Science ResearcherID: AAH-7338-2020

ScopusID: 6602712625

Yoksis Researcher ID: 42194

### Education Information

Doctorate, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 1990 - 1996

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Biyoloji, 2018 - Continues

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Biyoloji, 2006 - 2018

### Academic and Administrative Experience

Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2007 - Continues

Deputy Head of Department, Kocaeli University, Biyoloji Bölümü, 2006 - 2024

Balıkesir Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 1998 - 1999

Balıkesir Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 1998 - 1999

### Advising Theses

Uçkan F., Endoparazitoit *Pimpla turionellae* zehirinin konak *Galleria mellonella*'da DNA metilasyonuna etkisi, Postgraduate, A.ESKİN(Student), 2023

Uçkan F., *Monochamus dejean*, 1821 (Coleoptera: Cerambycidae) cinsinin moleküler filogenetik analizi, Postgraduate, F.YUSUFOĞLU(Student), 2022

Uçkan F., Alüminyum oksit nanopartiküllerinin konak *Galleria mellonella* ve endoparazitoid *Pimpla turionellae*'nın yaşam döngüsü ile konak hemositlerine etkileri, Postgraduate, E.ÇOĞAL(Student), 2022

Uçkan F., *Acanthocinus griseus* (Fabricius, 1792) (Coleoptera: Cerambycidae) türünün mitokondriyal sitokrom C oksidaz

I çeşitliliği, Postgraduate, A.ABBASZADA(Student), 2022

Uçkan F., Polistiren nanopartiküllerinin konak *Galleria mellonella* ve endoparazitoid *Pimpla turionellae*'nin yaşam döngüsü ile konak hemositlerine etkileri, Postgraduate, T.NUR(Student), 2022

Uçkan F., Nükleer ve mitokondriyal DNA dizileri kullanılarak Kocaeli ilindeki *Cerambycidae* (Coleoptera) türlerinin filogenetik analizi, Doctorate, H.KÜBRA(Student), 2021

Uçkan F., Propolisin kronik öngörülemez hafif stres uygulanan erkek wistar albino sıçanların hormon ve antioksidan enzimlerine etkileri, Postgraduate, R.KELOĞLAN(Student), 2020

Uçkan F., Zebularinin konak *Galleria mellonella* ve endoparazitoid *Pimpla turionellae* yaşam döngüsü ile konak hemositlerine etkileri, Postgraduate, B.KÖSE(Student), 2019

Uçkan F., Indol-3-asetik asitin konak *Galleria mellonella* L. ve endoparazitoid *Pimpla turionellae* L.'nin hemolitik vefenolksidaz aktivitesine etkileri, Postgraduate, G.BECERİKLİ(Student), 2019

Göçmez S. S., Uçkan F., Sıçanlarda kronik öngörülmez hafif stresle indüklenen depresyon modelinde propolisin öğrenme bellek üzerine etkileri, Postgraduate, C.ÖZER(Student), 2019

Uçkan F., Zebularin'in *Galleria mellonella* L. (Lepidoptera: Pyralidae)'nin antioksidan enzimlerine etkisi, Postgraduate, E.ÇAKIR(Student), 2019

Uçkan F., Kocaeli ilindeki orman zararlısı *Cerambycidae* (coleoptera) türleri ve popülasyon yoğunlukları, Doctorate, Ş.ATAK(Student), 2019

Uçkan F., Kocaeli ilindeki *Rhagium inquisitor* (Coleoptera:Cerambycidae)' un mitokondriyal sitokrom coksidad-ı ve morfolojik çeşitliliği, Postgraduate, Y.EMRE(Student), 2019

Uçkan F., Balmumu güveleri ve parazitoidlerinin mitokondriyal COI gen bölgesi temelli filogenetik analizi, Postgraduate, B.NOĞAYLAR(Student), 2018

Uçkan F., İndol-3-asetik asitin konak *Galleria mellonella* L. ve endoparazitoid *Pimpla turionellae* L.'nin antioksidan enzimlerine etkileri, Postgraduate, D.ÖZYILMAZ(Student), 2018

UÇKAN F., Konağa verilen indol-3-asetik asitin ve kaliks sıvısının konak *Galleria mellonella* L. (Lepidoptera:Pyralidae) ve parazitoid *Pimpla turionellae* L. (Hymenoptera:Ichneumonidae) hemositlerine etkisi, Doctorate, S.KAYA(Student), 2015

Uçkan F., İndol-3-asetik asit (IAA)'in konak *Achoria grisella fabricus* (Lepidoptera: Pyralidae) larval hemolenfinin ve *Apanteles galleriae wilkinson* (Hymenoptera: Braconidae) larvasının biyokimyasal parametrelerine etkisi, Postgraduate, H.KÜBRA(Student), 2015

Uçkan F., Konağa verilen indol-3-asetik asit'in konak *Achoria grisella fabricus*, 1794 (Insecta:Lepidoptera: Pyralidae) hemositlerine etkisi, Postgraduate, D.ÇELİK(Student), 2014

Uçkan F., Kocaeli ilinde *süne eurygaster spp.* (hemiptera: scutelleridae) yumurta parazitoidleri (hymenoptera: scelionidae) ve etkinlikleri, Postgraduate, Ş.ATAK(Student), 2012

Uçkan F., İndol-3-asetik asit (IAA)'in konak *Galleria mellonella* L. (Lepidoptera: pyralidae) ile endoparazitoid *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae) biyolojik özelliklerine etkileri, Postgraduate, R.ÖZBEK(Student), 2012

UÇKAN F., Gibberellik asit (GA3)'in konak *Galleria mellonella* L. (Lepidoptera:Pyralidae) ve parazitoid *Pimpla turionellae* L. (Hymenoptera:Ichneumonidae) hemolenf kimyası ve hemositlerine etkisi, Doctorate, H.ALTUNTAŞ(Student), 2011

Uçkan F., *Pimpla turionellae* L. (Hymenoptera:Ichneumonidae) zehirinin ve parazitlemenin konak (*Galleria mellonella*) hemolenf karbohidrat ve lipit miktarına etkileri, Postgraduate, S.KULELİ(Student), 2011

UÇKAN F., Endoparazitoid *Pimpla turionellae* (L.) (Hymenoptera; Ichneumonidae) zehiri ve parazitlemesinin konak hemositlerine etkileri, Doctorate, A.ER(Student), 2011

Uçkan F., Farklı dozlarda konağa verilen IAA (indol-3-asetik asit)'in parazitoid *Apanteles galleriae* Wilkinson (Hymenoptera: Braconidae) gelişim biyolojisine etkileri, Postgraduate, İ.HAFTACI(Student), 2010

Uçkan F., Farklı dozlarda konağa verilen GA3 (gibberellik asit)'ün parazitoid *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae) biyolojik özellikleri ve hemolenf toplam protein, glukoz ve yağ miktarına etkileri, Postgraduate, Z.ÖZTÜRK(Student), 2010

UÇKAN F., Parazitoid *Pimpla turionellae* (L.) (Hymenoptera;Ichneumonidae) omurgalı hormonları, Postgraduate, D.MERAM(Student), 2007

UÇKAN F., Farklı dozlarda konağa verilen gibberellik asitin parazitoid *Apanteles galleriae* Wilkinson (Hymenoptera: Braconidae) biyolojisine etkileri, Postgraduate, A.TÜVEN(Student), 2006

UÇKAN F., *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae) zehir içeriği ve aktivitesi, Doctorate, E.ERGİN(Student),

2005

UÇKAN F., Farklı dozlarda konağa verilen cypermethrenin parazitoit *Pimpla turionellae* (L.) (Hymenoptera: Ichneumonidae) gelişim biyolojisine etkileri, Postgraduate, E.ESRA(Student), 2004

UÇKAN F., Farklı dozlarda konağa verilen cypermethrinin parazitoit *Apanteles galleriae* Wilkinson (Hymenoptera: Braconidae) biyolojisine etkileri, Postgraduate, A.ŞAHİN(Student), 2004

UÇKAN F., Cypermethrinin *Pimpla turionellae* L. (Hym.; Ichneumonidae), toplam protein, lipit ve karbonhidrat miktarı ile hemositlerine etkisi, Doctorate, O.SAK(Student), 2004

UÇKAN F., Konağa larval evrede verilen 5-aza-2'deoxyctidine'nin parazitoit *Apanteles galleriae* Wilkinson (Hymenoptera;Braconidae) biyolojisine etkileri, Postgraduate, Ş.ŞENGÜL(Student), 2003

UÇKAN F., Endoparazitoit *pimpla turionellae* (L.) (hymenoptera;ichneumonidae)dişilerinin zehir içeriğinin belirlenmesi, Postgraduate, S.ÖZNUR(Student), 2001

UÇKAN F., Besin çeşidi ve farklı sıcakların *apanteles galleriae* Wilkinson (Hymenoptero; Braconidae)'nin ergin hayat uzunluğuna etkileri, Postgraduate, E.ERGİN(Student), 2000

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

- I. **Time-scaled phylogenetic analysis of some extant Lamiinae (Coleoptera, Cerambycidae) species of East of Marmara Basin, Turkiye**  
Soydabaş Ayoub H. K., Uçkan F.  
BIOLOGIA, vol.79, no.2, pp.545-555, 2024 (SCI-Expanded)
- II. **Interactions of alumina and polystyrene nanoparticles with the innate immune system of *Galleria mellonella***  
Demirtürk Z., Uçkan F., Mert S.  
DRUG AND CHEMICAL TOXICOLOGY, vol.47, no.5, pp.483-495, 2024 (SCI-Expanded)
- III. **Immunosuppressive influence of parasitoid wasp *Pimpla turionellae* calyx fluid on host *Galleria mellonella* cell-mediated immune response and hemocyte viability**  
KAYA S., UÇKAN F., ER A.  
BULLETIN OF ENTOMOLOGICAL RESEARCH, vol.112, no.3, pp.361-369, 2022 (SCI-Expanded)
- IV. **Assessment of the phylogenetic relationships within the spondylidinae branch of Spondylidinae (Coleoptera, Cerambycidae)**  
Soydabaş Ayoub H. K., Uçkan F., Atak Ş., Şimşek B. Ş., İbiş O.  
Insect Systematics and Evolution, vol.276, no.1674, 2022 (SCI-Expanded)
- V. **Influence of dietary indole-3-acetic acid on phenoloxidase and hemolytic activities in *Pimpla turionellae* L., 1758 (Hymenoptera: Ichneumonidae) and *Galleria mellonella* L., 1758 (Lepidoptera: Pyralidae) in a host- parasitoid system**  
Becerikli Aksan G., UÇKAN F., ER A.  
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.46, no.2, pp.149-158, 2022 (SCI-Expanded)
- VI. **Influence of Indole-3-Acetic Acid on Cellular Immune Responses of *Galleria mellonella* L. (Lepidoptera: Pyralidae) and *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae) in a host-parasitoid system**  
KAYA S., UÇKAN F., ER A.  
INTERNATIONAL JOURNAL OF TROPICAL INSECT SCIENCE, vol.41, no.1, pp.169-179, 2021 (SCI-Expanded)
- VII. **A preliminary phylogenetic analysis of ribbed-pine-borer (*Rhagium inquisitor*) based on mitochondrial COI sequences**  
Cakmak Y. E., Soydabas-Ayoub H. K., UÇKAN F.  
JOURNAL OF ASIA-PACIFIC ENTOMOLOGY, vol.23, no.3, pp.809-815, 2020 (SCI-Expanded)
- VIII. **Reprograming of epigenetic mechanisms controlling host insect immunity and development in response to egg-laying by a parasitoid wasp**  
Oezbek R., Mukherjee K., UÇKAN F., Vilcinskas A.

PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.287, no.1928, 2020 (SCI-Expanded)

- IX. **SIZE DIVERGENCE OF RHAGIUM INQUISITOR: SEXUAL SIMILARITY VERSUS ENVIRONMENTAL VARIABILITY**  
Cakmak Y. E., Ayoub H. K., UÇKAN F.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.10, pp.7593-7602, 2019 (SCI-Expanded)
- X. **Indole-3-Acetic Acid induced oxidative stress in model host *Galleria mellonella* L. (Lepidoptera: Pyralidae) and its endoparasitoid *Pimpla turionellae* (L.) (Hymenoptera: Ichneumonidae)**  
Ozyilmazi D., Ozbek R., Altuntas H., Uçkan F.  
ISJ-INVERTEBRATE SURVIVAL JOURNAL, vol.16, pp.184-188, 2019 (SCI-Expanded)
- XI. **The effects of gibberellic acid on *Allium cepa* root tip meristematic cells**  
Tutunoglu B., Aksoy Ö., Oezbek R., Uçkan F.  
BIOLOGIA PLANTARUM, vol.63, pp.365-370, 2019 (SCI-Expanded)
- XII. **Alterations in Hemolymph Carbohydrate and Lipid Composition of *Galleria mellonella* (Lepidoptera: Pyralidae) Induced by Parasitism and Venom of *Pimpla turionellae* (Hymenoptera: Ichneumonidae)**  
KULELİ S., Er A., UÇKAN F.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, vol.110, no.2, pp.221-226, 2017 (SCI-Expanded)
- XIII. **Effects of Indole-3-Acetic Acid on Hemocytes of *Achoria grisella* Fabr. (Lepidoptera: Pyralidae)**  
ÇELİK D., ÖZBEK R., UÇKAN F.  
JOURNAL OF THE ENTOMOLOGICAL RESEARCH SOCIETY, vol.19, pp.83-93, 2017 (SCI-Expanded)
- XIV. **Effects of Indol-3-Acetic Acid on the biology of *Galleria mellonella* and its endoparasitoid *Pimpla turionellae***  
UÇKAN F., ÖZBEK R., Ergin E.  
BELGIAN JOURNAL OF ZOOLOGY, vol.145, no.1, pp.49-58, 2015 (SCI-Expanded)
- XV. **Effects of indol 3 acetic acid on the biology of *Galleria mellonella* Lepidoptera Pyralidae and its endoparasitoid *Pimpla turionellae* (Hymenoptera Ichneumonidae)**  
UÇKAN F., ÖZBEK R., EKREM E.  
Belgian Journal Of Zoology, vol.145, pp.49-58, 2015 (SCI-Expanded)
- XVI. **Total Lipid and Fatty Acid Composition of *Apanteles galleriae* and Its Parasitized Host**  
NURULLAHOĞLU Z. U., UÇKAN F., SAK O.  
Annals Of The Entomological Society Of America, vol.97, pp.1000-1006, 2014 (SCI-Expanded)
- XVII. **Effects of Gibberellic Acid on Hemolymph-Free Amino Acids of *Galleria mellonella* (Lepidoptera: Pyralidae) and Endoparasitoid *Pimpla turionellae* (Hymenoptera: Ichneumonidae)**  
Altuntas H., Uçkan F., Kilic A. Y., Ergin E.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, no.5, pp.1000-1009, 2014 (SCI-Expanded)
- XVIII. **Effects of Parasitism and Envenomation by *Pimplaturionellae* Hymenoptera Ichneumonidae on Hemolymph Free Amino Acids of *Galleria mellonella* Lepidoptera Pyralidae**  
SAK O., UÇKAN F., ERGİN E., ER A.  
Journal Of The Entomological Research Society, pp.1-20, 2014 (SCI-Expanded)
- XIX. **Effects of Gibberellic Acid on Hemocytes of *Galleria mellonella* L. (Lepidoptera: Pyralidae)**  
Altuntas H., Kilic A. Y., Uçkan F., Ergin E.  
ENVIRONMENTAL ENTOMOLOGY, no.3, pp.688-696, 2012 (SCI-Expanded)
- XX. **Testosterone, progesterone, and FSH levels in *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae) and its host *Galleria mellonella* L. (Lepidoptera: Pyralidae)**  
UÇKAN F., Cevirgen D., ER A.  
TURKISH JOURNAL OF ZOOLOGY, vol.36, no.6, pp.792-797, 2012 (SCI-Expanded)
- XXI. **Cytotoxic effects of parasitism and application of venom from the endoparasitoid *Pimpla turionellae* on hemocytes of the host *Galleria mellonella***  
ER A., UÇKAN F., Rivers D. B., SAK O.  
JOURNAL OF APPLIED ENTOMOLOGY, vol.135, no.3, pp.225-236, 2011 (SCI-Expanded)
- XXII. **Effects of Gibberellic Acid (GA(3)) on Biological Parameters and Hemolymph Metabolites of the**

- Pupal Endoparasitoid *Pimpla turionellae* (Hymenoptera: Ichneumonidae) and its Host *Galleria mellonella* (Lepidoptera: Pyralidae)**  
UÇKAN F., ÖZTÜRK Z., ALTUNTAŞ H., Ergin E.  
JOURNAL OF THE ENTOMOLOGICAL RESEARCH SOCIETY, vol.13, pp.1-14, 2011 (SCI-Expanded)
- XXIII. **Effects of Indol-3-Acetic Acid on Biological Parameters of the Larval Endoparasitoid *Apanteles galleriae* (Hymenoptera: Braconidae)**  
UÇKAN F., HAFTACI İ., Ergin E.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, vol.104, no.1, pp.77-82, 2011 (SCI-Expanded)
- XXIV. **Changes in the hemolymph total protein of *Galleria mellonella* (Lepidoptera: Pyralidae) after parasitism and envenomation by *Pimpla turionellae* (Hymenoptera: Ichneumonidae)**  
SAK O., ERGİN E., UÇKAN F., Rivers D. B., ER A.  
TURKISH JOURNAL OF BIOLOGY, vol.35, no.4, pp.425-432, 2011 (SCI-Expanded)
- XXV. **Pathological and ultrastructural changes in cultured cells induced by venom from the ectoparasitic wasp *Nasonia vitripennis* (Walker) (Hymenoptera Pteromalidae)**  
Rivers D. B., UÇKAN F., Ergin E., Keefer D. A.  
JOURNAL OF INSECT PHYSIOLOGY, vol.56, no.12, pp.1935-1948, 2010 (SCI-Expanded)
- XXVI. **Levels of encapsulation and melanization in *Galleria mellonella* (Lepidoptera: Pyralidae) parasitized and envenomated by *Pimpla turionellae* (Hymenoptera: Ichneumonidae)**  
UÇKAN F., ER A., Ergin E.  
JOURNAL OF APPLIED ENTOMOLOGY, vol.134, pp.718-726, 2010 (SCI-Expanded)
- XXVII. **Effects of Parasitization and Envenomation by the Endoparasitic Wasp *Pimpla turionellae* (Hymenoptera: Ichneumonidae) on Hemocyte Numbers, Morphology, and Viability of Its Host *Galleria mellonella* (Lepidoptera: Pyralidae)**  
ER A., UÇKAN F., Rivers D. B., Ergin E., Sak O.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, vol.103, no.2, pp.273-282, 2010 (SCI-Expanded)
- XXVIII. **Cytotoxic Effect of Cypermethrin on *Pimpla turionellae* (Hymenoptera: Ichneumonidae) Larval Hemocytes**  
UÇKAN F., SAK O.  
EKOLOJİ, vol.19, no.75, pp.20-26, 2010 (SCI-Expanded)
- XXIX. **Effects of Cypermethrin Exposed to Host on the Developmental Biology of *Pimpla turionellae* (Hymenoptera: Ichneumonidae)**  
SAK O., Guelgoenuel E. E., UÇKAN F.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, vol.102, no.2, pp.288-294, 2009 (SCI-Expanded)
- XXX. **Effects of gibberellic acid on biological parameters of the larval endoparasitoid *Apanteles galleriae* (Hymenoptera : Braconidae)**  
UÇKAN F., Tueven A., Er A., Ergin E.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, vol.101, no.3, pp.593-597, 2008 (SCI-Expanded)
- XXXI. **Physiology, biochemistry, and topology: Effects of 5-Aza-2'-deoxycytidine on biological parameters of larval endoparasitoid *Apanteles galleriae* (Hymenoptera: Braconidae) and on its host *Achoria grisella* (Lepidoptera: Pyralidae)**  
Uçkan F., Sengul S. H., Sak O., Korkmaz M.  
Annals of the Entomological Society of America, vol.100, no.2, pp.265-269, 2007 (SCI-Expanded)
- XXXII. **Effect of cypermethrin exposed hosts on egg-adult development time, number of offspring, sex ratio, longevity, and size of *Apanteles galleriae* Wilkinson (Hymenoptera : Braconidae)**  
ERGİN E., ER A., UÇKAN F., RIVERS D. B.  
BELGIAN JOURNAL OF ZOOLOGY, vol.137, no.1, pp.27-31, 2007 (SCI-Expanded)
- XXXIII. **Age and diet influence the composition of venom from the endoparasitic wasp *Pimpla turionellae* L. (Hymenoptera : Ichneumonidae)**  
Uçkan F., Ergin E., Rivers D. B., Gencer N.  
ARCHIVES OF INSECT BIOCHEMISTRY AND PHYSIOLOGY, vol.63, no.4, pp.177-187, 2006 (SCI-Expanded)
- XXXIV. **In vivo and in vitro activity of venom from the endoparasitic wasp *Pimpla turionellae* (L.)**

**(Hymenoptera: Ichneumonidae)**

Ergin E., UÇKAN F., Rivers D., Sak O.

ARCHIVES OF INSECT BIOCHEMISTRY AND PHYSIOLOGY, vol.61, no.2, pp.87-97, 2006 (SCI-Expanded)

- XXXV. **Effects of cypermethrin on total body weight, glycogen, protein, and lipid contents of *Pimpla turionellae* (L.) (Hymenoptera : Ichneumonidae)**  
Sak O., UÇKAN F., Ergin E.  
BELGIAN JOURNAL OF ZOOLOGY, no.1, pp.53-58, 2006 (SCI-Expanded)
- XXXVI. **Characterization and biochemical analyses of venom from the ectoparasitic wasp *Nasonia vitripennis* (Walker) (Hymenoptera: Pteromalidae)**  
Rivers D., UÇKAN F., Ergin E.  
ARCHIVES OF INSECT BIOCHEMISTRY AND PHYSIOLOGY, vol.61, no.1, pp.24-41, 2006 (SCI-Expanded)
- XXXVII. **Determination of venom components from the endoparasitoid wasp *Pimpla turionellae* L. (Hymenoptera : Ichneumonidae)**  
UÇKAN F., SİNAN S., SAVAŞCI Ş., Ergin E.  
ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA, vol.97, no.4, pp.775-780, 2004 (SCI-Expanded)
- XXXVIII. **Modelling age- and density-structured reproductive biology and seasonal survival of *Apanteles galleriae* Wilkinson (Hym., Braconidae)**  
UÇKAN F., Ergin E., AYAZ F.  
JOURNAL OF APPLIED ENTOMOLOGY, vol.128, no.6, pp.407-413, 2004 (SCI-Expanded)
- XXXIX. **Temperature and food source effects on adult longevity of *Apanteles galleriae* Wilkinson (Hymenoptera: Braconidae)**  
UÇKAN F., Ergin E.  
ENVIRONMENTAL ENTOMOLOGY, vol.32, no.3, pp.441-446, 2003 (SCI-Expanded)
- XL. **Age-related fecundity and sex ratio variation in *Apanteles galleriae* (Hym., Braconidae) and host effect on fecundity and sex ratio of its hyperparasitoid *Dibrachys boarmiae* (Hym., Pteromalidae)**  
UÇKAN F., Gülel A.  
JOURNAL OF APPLIED ENTOMOLOGY-ZEITSCHRIFT FÜR ANGEWANDTE ENTOMOLOGIE, vol.126, no.10, pp.534-537, 2002 (SCI-Expanded)
- XLI. **Effect of host diet on the immature developmental time, fecundity, sex ratio, adult longevity, and size of *Apanteles galleriae* (Hymenoptera: Braconidae)**  
UÇKAN F., Ergin E.  
ENVIRONMENTAL ENTOMOLOGY, vol.31, no.1, pp.168-171, 2002 (SCI-Expanded)
- XLII. **The Morphology of the Venom Apparatus and Histology of Venom Gland of *Pimpla turionella* L Hym Ichneumonidae Females**  
UÇKAN F.  
Turkish Journal Of Zoology, vol.4, pp.461-466, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Preliminary mitochondrial cytochrome c oxidase-I-based phylogeographic and phylogenetic analysis of Eurasian *Acanthocinus griseus* (Coleoptera, Cerambycidae)**  
ABBASZADA A., UÇKAN F., SOYDABAŞ H. K.  
Eurasian Journal of Forest Science, vol.11, no.2, pp.66-78, 2023 (Peer-Reviewed Journal)
- II. **Zebularinin Antioksidan Enzimleri ve *Galleria mellonella* (Lepidoptera: Pyralidae) Lipit Peroksidasyonu Üzerindeki Etkisi**  
ÇAKIR E., UÇKAN F., Ergin E., ÖZBEK R.  
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.10, no.2, pp.457-464, 2023 (Peer-Reviewed Journal)
- III. **Molecular Phylogenetic Analysis of *Nemoura flexuosa* Aubert, 1949 Based on Cytochrome Oxidase C**

### **Subunit-I Gene from Türkiye**

Yusufoğlu F., UÇKAN F.

Genetics of Aquatic Organisms, vol.7, no.1, 2023 (Scopus)

- IV. **A faunistic study on Cerambycidae (Coleoptera) of Kocaeli province (Turkey)**  
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- XI. **A new subspecies of Anaglyptus mysticoides Reitter, 1894, Anaglyptus mysticoides obscurissimus Pic, 1901 stat. nov., from Turkey (Coleoptera: Cerambycidae: Cerambycinae)**  
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- I. **IMPACTS OF ZEBULARINE ON BIOLOGICAL PARAMETERS OF GALLERIA MELLONELLA L. (LEPIDOPTERA: PYRALIDAE) AND PIMPLA TURIONELLAE L. (HYMENOPTERA: ICHNEUMONIDAE) IN A HOSTPARASITOID SYSTEM**  
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- II. **ASSESSING HEMOCYTE DYNAMICS IN GALLERIA MELLONELLA (LEPIDOPTARA: PYRALIDAE) EXPOSED TO A NUCLEOSIDE ANALOG**  
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## Refereed Congress / Symposium Publications in Proceedings



- I. **POLİSTİREN NANOPARTİKÜLLERİNİN GALLERİA MELLONELLA'NIN HEMOSİTLERİNE ETKİLERİ**  
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- II. **ALÜMİNYUM OKSİT NANOPARTİKÜLLERİNİN GALLERIA MELLONELLA'NIN HEMOSİTLERİ ÜZERİNE ETKİLERİ**  
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- III. **Phylogenetic Analysis Based on COI Gene Region of Monochamus galloprovincialis**  
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- V. **The effects of propolis on cognitive impairment in chronic unpredictable mild stress-induced depression model of rats**  
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XI European Congress of Entomology (ECE-2018), Napoli, Italy, 3 - 06 June 2018, pp.295
- VII. **Phylogenetic Status of Apanteles galleriae W. (Braconidae: Microgasterinae) Based on Cytochrome Oxidase I**  
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- VIII. **Native and Non Native Rhagium inquisitor (Coleoptera: Cerambycidae) Haplotypes of Kocaeli based on COI**  
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- XII. **Effects of Gibberellic Acid on Genomic Stability and Immune Defense of Galleria mellonella L. (Lepidoptera: Pyralidae)**  
ÖZBEK R., UÇKAN F., AKSOY Ö.  
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- XIII. **Effects of Indole-3-Acetic Acid on Lipid Peroxidation Level of Model Host Galleria mellonella L.**

**(Lepidoptera: Pyralidae)**

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**XIX. Cytotoxic effects of gibberellic acid on Allium cepa**

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ICBMB 2016, Italy, 27 - 29 April 2016

**XXI. Indole 3 Acetic Acid Induced Alterations in Antioxidant Enzyme Activity of Galleria mellonella L Lepidoptera Pyralidae**

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**XXII. Effect of Indole 3 acetic acid on the biochemical parameters of Achoria grisella hemolymph and Apanteles galleriae larva**

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International Conference on Biochemistry and Molecular Biology, 17 - 19 April 2014

## Supported Projects

Uçkan F., TUBITAK Project, Polistiren ve Alüminyum Oksit Nanopartiküllerinin Galleria mellonellanın DNA Metilasyonu ve Bağışıklık Sistemine Etkileri, 2024 - 2024

UÇKAN F., Project Supported by Higher Education Institutions, Nano Polistirenlerin Galleria mellonellada Oksidatif ve Genotoksik Etkisi, 2023 - 2024

UÇKAN F., MERT S., Demirtürk Z., Project Supported by Higher Education Institutions, Polistiren ve Alüminyum Oksit Nanopartiküllerinin Galleria mellonellanın DNA Metilasyonu ve Bağışıklık Sistemine Etkileri, 2022 - 2024

MERT S., DURUKSU G., HALBUTOĞULLARI Z. S., UÇKAN F., Project Supported by Higher Education Institutions, Aljinat Mikrokapsüllerde Baryum Ba<sup>2+</sup> iyonlarının BSA Salınım Hızına Etkisinin İncelenmesi, 2021 - 2023

UÇKAN F., Project Supported by Higher Education Institutions, Alüminyum oksit nanopartiküllerinin Galleria mellonellada DNA metilasyonuna etkileri, 2021 - 2022

UÇKAN F., Yusufoglu F., Project Supported by Higher Education Institutions, Monochamus Dejean 1821 (Coleoptera Cerambycidae) cinsinin moleküler filogenetik analizi, 2021 - 2022

UÇKAN F., ELLİBEŞ T. N., Project Supported by Higher Education Institutions, Polistiren nanopartiküllerinin konak Galleria mellonella ve parazitoit Pimpla turionella'nın yaşam döngüsü ve hemositlerine etkileri, 2021 - 2022

Uçkan F., Project Supported by Higher Education Institutions, Biyolojik Kontrol Açısından Önemli Bazı Parazitoitlerin İncelenmesi, 2000 - 2022

UÇKAN F., Project Supported by Higher Education Institutions, Alüminyum oksit nanopartiküllerinin Galleria mellonella'nın yaşam döngüsü ve hemositleri üzerine etkileri, 2020 - 2021

UÇKAN F., Project Supported by Higher Education Institutions, Karbon Nanotüplerinin Galleria Mellanella Larvalarının Yaşam Döngüsü ve Antioksidan Sistemi Üzerine Etkisi, 2019 - 2020

UÇKAN F., KELOĞLAN R., Project Supported by Higher Education Institutions, PROPOLİSİN KRONİK ÖNGÖRÜLMİYEN HAFİF STRES UYGULANAN ERKEK WİSTAR ALBİNO SIÇANLARININ HORMON VE ANTIOKSİDAN ENZİMLERİNE ETKİLERİ, 2019 - 2020

UÇKAN F., SOYDABAŞ AYOUB H. K., ŞABANOĞLU B., Project Supported by Higher Education Institutions, KOCAELİ İLİNDEKİ CERAMBYCİDAE (COLEOPTERA) TÜRLERİNİN MİTOKONDRIYAL COI, 16S RRNA VE NÜKLEAR 28S RRNA GEN DİZİLERİNİ KULLANARAK FİLOGENETİK DURUMLARININ BELİRLENMESİ, 2018 - 2020

UÇKAN F., ÇAKMAK Y. E., Project Supported by Higher Education Institutions, KOCAELİ İLİNDEKİ RHAGIUM İNQUISİTOR (COLEOPTERA: CERAMBYCİDAE)'UN SİTOKROM C OKSİDAZ-I VE MORFOLOJİK ÇEŞİTLİLİĞİ, 2018 - 2018

Uçkan F., TUBİTAK Project, Hipometilasyonun Galleria melonella L. (Lepidoptera: Pyralidae)'nın İmmün Sistemi ve Antioksidan Enzimlerine Etkileri, 2017 - 2018

UÇKAN F., Project Supported by Higher Education Institutions, GALLERİA MELLONELALA'DA HPLC YÖNTEMİ KULLANILARAK DNA METİLASYON SEVİYESİNİN BELİRLENMESİ, 2016 - 2017

UÇKAN F., TUBİTAK Project, Juglonun Büyük Bal Mumu Güvesi Galleria mellonella L. Lepidoptera Pyralidae Üzerindeki Ekofizyolojik ve Ekotoksikolojik Etkileri, 2015 - 2017

UÇKAN F., Project Supported by Higher Education Institutions, İndol-3-Asetik Asitin Konak Galleria mellonella L. ve Endoparazitoidi Pimpla turionellae L.'nin Hemolitik ve Fenoloksidaz Aktivitesi ve Antioksidan Enzimlerine Etkileri, 2014 - 2016

UÇKAN F., Project Supported by Higher Education Institutions, Konağa Verilen İndol-3-asetik asitin Konak Galleria mellonella L. (Lepidoptera: Pyralidae) ve Parazitoid Pimpla turionellae L. (Hymenoptera: Ichneumonidae) Biyolojisi ve Hemositlerine Etkisi, 2012 - 2014

## Metrics

Publication: 93  
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## Non Academic Experience

Balıkesir Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü  
Milli Eğitim Bakanlığı