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Education Information

Doctorate, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1990 - 1996

Research Areas

Natural Sciences

Academic Titles / Tasks

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

Assistant Professor, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2006 - 2018

Academic and Administrative Experience

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

Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2006 - Continues

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

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

Advising Theses

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., Endoparazitoit *Pimpla turionellae* (L.) (Hymenoptera; Ichneumonidae) zehirli ve parazitlenmesinin konak hemositlerine etkileri, Doctorate, A.ER(Student), 2011

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UÇKAN F., Parazitoit *Pimpla turionellae* (L.) (Hymenoptera;Ichneumonidae) omurgalı hormonları, Post Graduate, D.MERAM(Student), 2007

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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, Post Graduate, E.ESRA(Student), 2004
- UÇKAN F., Farklı dozlarda konağa verilen cypermethrinin parazitoit *Apanteles galleriae* Wilkinson (Hymenoptera: Braconidae) biyolojisine etkileri, Post Graduate, A.ŞAHİN(Student), 2004
- UÇKAN F., Cypermethrinin *Pimpla turionellae* L. (Hym.; Ichneumonidae), toplam protein, lipid ve karbonhidrat miktarı ile hemositlerine etkisi, Doctorate, O.SAK(Student), 2004
- UÇKAN F., Konağa larval evrede verilen 5-aza-2'-deoxycytidine'nin parazitoit *Apanteles galleriae* Wilkinson (Hymenoptera;Braconidae) biyolojisine etkileri, Post Graduate, Ş.ŞENGÜL(Student), 2003
- UÇKAN F., Endoparazitoit *pimpla turionellae* (L.) (hymenoptera;ichneumonidae)dişilerinin zehir içeriğinin belirlenmesi, Post Graduate, S.ÖZNUR(Student), 2001
- UÇKAN F., Besin çeşidi ve farklı sıcakların *apanteles galleriae* Wilkinson (Hymenoptero; Braconidae)'nin ergin hayat uzunluğuna etkileri, Post Graduate, E.ERGİN(Student), 2000

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **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, 2020 (Journal Indexed in SCI)
- III. **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., Vilcinskis A.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.287, no.1928, 2020 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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.
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- VII. **Effects of Indole-3-Acetic Acid on Hemocytes of *Achoria grisella* Fabr. (Lepidoptera: Pyralidae)**
ÇELİK D., ÖZBEK R., UÇKAN F.
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- VIII. **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 (Journal Indexed in SCI Expanded)
- IX. **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 (Journal Indexed in SCI)

- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI Expanded)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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.
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- XV. **Effects of Indol-3-Acetic Acid on Biological Parameters of the Larval Endoparasitoid *Apanteles galleriae* (Hymenoptera: Braconidae)**
UÇKAN F., HAFTACI İ., Ergin E.
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- XVI. **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.
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- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **Cytotoxic Effect of Cypermethrin on *Pimpla turionellae* (Hymenoptera: Ichneumonidae) Larval Hemocytes**
UÇKAN F., SAK O.
EKOLOJİ, vol.19, no.75, pp.20-26, 2010 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in

- SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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, pp.265-269, 2007 (Journal Indexed in SCI Expanded)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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.
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- XXVI. **Determination of venom components from the endoparasitoid wasp *Pimpla turionellae* L. (Hymenoptera : Ichneumonidae)**
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- XXVII. **The Morphology of the Venom Apparatus and Histology of Venom Gland of *Pimpla turionella* L Hym Ichneumo nidae Females**
UÇKAN F.
Turkish Journal Of Zoology, vol.4, pp.461-466, 1999 (Journal Indexed in SCI Expanded)

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- I. **Regulative Influence of Propolis on Oxidative Stress and Hormonal Changes in Chronic Unpredictable Mild Stress-induced Depression Model of Rats**
Keloğlan R., Demirtürk Z., Uçkan F.
The Pharmaceutical and Chemical Journal, vol.8, no.2, pp.29-37, 2021 (Journal Indexed in ESCI)
- II. **Kocaeli İlindeki Süne Yumurta Parazitoitleri ve EtkinlikleriEgg Parasitoids of Sunn Pest and Their Effectiveness in Kocaeli Province**
ATAK Ş., UÇKAN F., KOÇAK E., SOYDABAŞ H. K.
Kocaeli Üniversitesi Fen Bilimleri Dergisi, vol.1, pp.8-12, 2018 (Other Refereed National Journals)
- III. **Kocaeli İlindeki Süne Yumurta Parazitoitleri ve Etkinlikleri**
Atak Ş., UÇKAN F., KOÇAK E., SOYDABAŞ H. K.
Kocaeli Üniversitesi Fen Bilimleri Dergisi, vol.1, pp.8-12, 2018 (Other Refereed National Journals)
- IV. **First detection of *Cordylomera spinicornis* (Fabricius) in Turkey (Coleoptera: Cerambycidae)**
ÖZDİKMEN H., ATAK Ş., UÇKAN F.
Munis Entomology Zoology, vol.12, pp.430-432, 2017 (Refereed Journals of Other Institutions)
- V. **A new subspecies of *Anaglyptus mysticoides* Reitter, 1894, *Anaglyptus mysticoides obscurissimus* Pic, 1901 stat. nov., from Turkey (Coleoptera: Cerambycidae: Cerambycinae)**
ÖZDİKMEN H., ATAK Ş., UÇKAN F.
Munis Entomology Zoology, vol.12, pp.68-70, 2017 (Refereed Journals of Other Institutions)
- VI. **A new subspecies of *Plagionotus arcuatus* (Linnaeus, 1758) from Turkey (Coleoptera: Cerambycidae: Cerambycinae)**

ÖZDİKMEN H., ATAK Ş., UÇKAN F.

Munis Entomology Zoology, vol.12, pp.89-93, 2017 (Refereed Journals of Other Institutions)

- VII. **Uçkan Fevzi Soydabaş Havva Kübra Özbek Rabia 2014 Effect of Indol 3 acetic acid on the biochemical parameters of Achoria grisella hemolymph and Apanteles galleriae larva**
UÇKAN F., SOYDABAŞ H. K. , ÖZBEK R.
Pakistan Journal of Biotechnology, vol.2, no.11, pp.163-171, 2014 (Refereed Journals of Other Institutions)
- VIII. **Effect of Indol 3 acetic acid on the biochemical parameters of Achoria grisella hemolymph and Apanteles galleriae larva**
UÇKAN F., SOYDABAŞ H. K. , ÖZBEK R.
Pakistan Journal of Biotechnology, vol.2, pp.163-171, 2014 (Refereed Journals of Other Institutions)
- IX. **Venom-induced immunosuppression: An overview of hemocyte-mediated responses**
Er A., Sak O., ERGİN E., Ukan F., Rivers D. B.
Psyche, 2011 (Refereed Journals of Other Institutions)
- X. **Morphology and ultrastructure of brain tissue and fat body from the flesh fly, Sarcophaga bullata parker (Diptera: Sarcophagidae), envenomated by the ectoparasitic wasp Nasonia vitripennis (Walker) (Hymenoptera: Pteromalidae)**
Rivers D. B. , Keefer D. A. , Ergin E., UÇKAN F.
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- XI. **Cypermethrinin Galleria mellonella L Lepidoptera Pyralidae nın Puplaşma ve Ölüm Oranına Etkisi**
SAK O., UÇKAN F.
Uludağ Arıcılık Dergisi, vol.3, pp.88-96, 2009 (Other Refereed National Journals)
- XII. **Apanteles galleriae Wilkinson Hymenoptera Braconidae Ve Parazitlenmiş Konağı Galleria Mellonella L Lepidoptera Pyralidae nin Toplam Lipit ve Yağ Asidi Bileşimleri**
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- XIII. **Morphology of the Reproductive Tract and Ovariole Histology of Apanteles galleriae Hymenoptera Braconidae Reared on Two Host Species**
UÇKAN F., SİNAN S., SAK O., ERGİN E.
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- XIV. **The Effects of Cold Storage on the Adult Longevity Fecundity and Sex Ratio of Apanteles galleriae Wilkinson Hym Braconidae**
UÇKAN F., ADEM G.
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- XV. **Effects of host species on some biological characteristics of Apanteles galleriae Wilkinson (Hym. Braconidae)**
UÇKAN F., ADEM G.
Turkish Journal Of Zoology, vol.24, pp.105-113, 2000 (Refereed Journals of Other Institutions)
- XVI. **Apanteles galleriae Wilkinson Hym Braconidae nin Verim ve Eşey Oranına Parazitoit Dışı Eşdeğeri Konak Sayısındaki Artışın Etkileri**
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- I. **EFFECTS OF PROPOLIS ON OXIDATIVE PARAMETERS IN RATS ADMINISTERED CHRONIC UNPREDICTABLE HEALTH STRESS**
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- II. **The effects of propolis on cognitive impairment in chronic unpredictable mild stress-induced**

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GÖÇMEZ S. S. , Ozer C., Celebi G., YAZIR Y., DURUKSU G., Demirtas-Sahin T., Uçkan F., UTKAN T.

32nd Congress of the European-College-of-Neuropsychopharmacology (ECNP), Copenhagen, Denmark, 7 - 10 September 2019, vol.29

- III. **The effects of propolis on cognitive impairment in chronic unpredictable mild stress-induced depression model of rats**
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- IV. **Phylogenetic Status of *Pimpla turionella* L. (Hymenoptera: Ichneumoninae) Based on Cytochrome Oxidase I**
NOGAYLAR B., UÇKAN F., SOYDABAŞ H. K.
XI European Congress of Entomology (ECE-2018), Napoli, Italy, 3 - 06 June 2018, pp.295
- V. **Phylogenetic Status of *Apanteles galleriae* W. (Braconidae: Microgasterinae) Based on Cytochrome Oxidase I**
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XI European Congress of Entomology (ECE-2018), Napoli, Italy, 3 - 06 June 2018, pp.290
- VI. **Native and Non Native *Rhagium inquisitor* (Coleoptera: Cerambycidae) Haplotypes of Kocaeli based on COI**
ÇAKMAK Y. E. , SOYDABAŞ H. K. , UÇKAN F.
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- VII. **Phylogenetic Analysis of *Andreaea* moss Including *Andreaea regularis* from Galindez Island (Antarctic Peninsula) Based on rbcL Gene Sequences**
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XIII. Congress of Ecology and Environment With International Participation, Kocaeli, Turkey, 12 - 15 October 2017, pp.135
- VIII. **Phylogenetic Status of Lamiinae (Cerambycidae: Coleoptera) Species from Kocaeli Province Based COI Gene Sequences**
SOYDABAŞ H. K. , ATAK Ş., UÇKAN F.
XIII. Congress of Ecology and Environment With International Participation, Edirne, Turkey, 12 - 15 October 2017, pp.136
- IX. **Preliminary Phylogenetic Analysis of Lepidopteran Hosts of *Pimpla turionellae* Based on Cytochrome Oxidase I**
SOYDABAŞ H. K. , UÇKAN F., NOGAYLAR B.
The 3rd International Symposium on EuroAsian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, pp.303
- X. **Effects of Gibberellic Acid on Genomic Stability and Immune Defense of *Galleria mellonella* L. (Lepidoptera: Pyralidae)**
ÖZBEK R., UÇKAN F., AKSOY Ö.
III. International Zoology and Technology Congress, Afyon, Turkey, 12 - 15 July 2017, pp.39
- XI. **Effects of Indole-3-Acetic Acid on Lipid Peroxidation Level of Model Host *Galleria mellonella* L. (Lepidoptera: Pyralidae)**
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- XII. **Effects of Indole-3-Acetic Acid on Hemocytes of *Achoria grisella* Fabr. (Lepidoptera: Pyralidae)**
ÇELİK D., ÖZBEK R., UÇKAN F.
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- XIII. **Indole-3-Acetic Acid Induced Alterations in Antioxidant Enzyme Activity and Lipid Peroxidation of *Pimplaturionellae* (L.) (Hymenoptera: Ichneumonidae)**
ÖZYILMAZ d., ÖZBEK R., UÇKAN F., ALTUNTAŞ H.
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- XIV. **Effects of Indole 3 Acetic Acid on the Hemolytic Activity of the Host *Galleria mellonella* L. Lepidoptera Pyralidae and Parasitoid *Pimpla turionellae* L. Hymenoptera Ichneumonidae**

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- XV. **Cytotoxic effects of gibberellic acid on *Allium cepa***
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- XVI. **Cytotoxic Effects of Gibberellic Acid on *Allium cepa***
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- XVII. **Cytotoxic effects of gibberellic acid on *Allium cepa***
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- XIX. **Gibberellic Acid Induced Genomic Variations in *Galleria mellonella* L. Lepidoptera Pyralidae**
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- XX. **Effect of Indol 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, Paris, France, 22 - 24 April 2014, pp.62
- XXI. **Determination of genotoxic effects of gibberellic acid on *Galleria mellonella* L. by comet test**
ÖZBEK R., AKSOY Ö., UÇKAN F.
International Conference on Biochemistry and Molecular Biology, 17 - 19 April 2014

Supported Projects

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