

## Asst. Prof. Fatih DİKMEN

### Personal Information

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**Address:** İstanbul Üniversitesi Fen Fakültesi Biyoloji Bölümü Zooloji ABD 34134 Vezneciler İstanbul

### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-7047-2018

ScopusID: 37088322200

Yoksis Researcher ID: 124746

### Education Information

Doctorate, Hacettepe University, Fen Bilimleri, Biyoloji, Turkey 2006 - 2012

Postgraduate, Hacettepe University, Fen Bilimleri, Biyoloji, Turkey 2003 - 2006

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 1998 - 2003

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Akdeniz bölgesi Halictidae (Apiformes: Apoidea: Hymenoptera) familyası üzerinde sistematik çalışmalar, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji, 2012

Postgraduate, Ankara İli ve Çevresinde Halictidae (Apoidea: Hymenoptera) Familyası Üzerine Sistematik Araştırmalar, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji, 2006

### Research Areas

Life Sciences, Animal Biology, Systematic Zoology, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Biology, 2018 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Biology, 2014 - 2018

Research Assistant PhD, Hacettepe University, Fen Fak., Biyoloji Böl., 2012 - 2014

Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji, 2005 - 2012

## Courses

Entomoloji, Undergraduate, 2020 - 2021

Bees and Pollination, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Environmental Biology Researches II, Undergraduate, 2019 - 2020

Medical Entomology, Undergraduate, 2017 - 2018, 2016 - 2017

Faydalı Böcekler, Postgraduate, 2015 - 2016

Forensic Entomology, Undergraduate, 2016 - 2017

Nümerik Taksonomi, Doctorate, 2015 - 2016

Sistematik Entomoloji, Postgraduate, 2015 - 2016

Evrim, Undergraduate, 2014 - 2015

## Advising Theses

DİKMEN F., Çiçek Kokularının *Bombus terrestris* L. Anten Kemoreseptör Transkriptom Profilleri Üzerine Etkisinin Araştırılması [Investigation of the Effect of Floral Scents on Transcriptome Profiles of Antennal Chemoreceptors of *Bombus Terrestris* L.], Postgraduate, T.Dabak(Student), Continues

DİKMEN F., *Halictus Latreille*, 1804 (*Halictidae:Apoidea:Hymenoptera*) cinsi türlerinde bütünleşik taksonomik yöntemlerin uygulanması, Postgraduate, B.Daşer(Student), 2016

## Jury Memberships

Doctoral Examination, Doktora Yeterlilik, Hacettepe Üniversitesi, May, 2017

Doctorate, Doktora savunma, Hacettepe Üniversitesi, May, 2016

Doctorate, Doktora Savunma, Hacettepe Üniversitesi, January, 2016

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

- I. **Comprehensive analysis of circulating viral DNA in maternal plasma at population-scale using low-pass whole-genome sequencing**  
Eldem V., Kuralay S. C., Özdoğan G., Özçelik G. H., Aydın D., Çakmak G., Gürler M. Ö., Çay S. B., Çınar Y. U., Dikmen F., et al.  
Genomics, vol.115, no.2, 2023 (SCI-Expanded)
- II. **ARCHITECTURE OF A MODIFIED NEST OF BOMBUS (MEGABOMBUS) ARGILLACEUS (SCOPOLI, 1805) (HYMENOPERA: APIDAE) FROM SOUTHERN TURKEY WITH A SPECIAL EMPHASIS ON ITS FORAGING PLANTS**  
ÖZENİRLER Ç., Dikmen F., Tore D., Sorkun K., Aytakin A. M.  
ENTOMOLOGICAL NEWS, vol.129, no.3, pp.319-326, 2020 (SCI-Expanded)
- III. **Pollination Ecology, Specialization, and Genetic Isolation in Sympatric Bee-Pollinated *Salvia* (Lamiaceae)**  
Celep F., Atalay Z., Dikmen F., Dogan M., Sytsma K. J., Classen-Bockhoff R.  
INTERNATIONAL JOURNAL OF PLANT SCIENCES, vol.181, no.8, pp.800-811, 2020 (SCI-Expanded)
- IV. **Evaluation of bee diversity within different sweet cherry orchards in the Sultandağı reservoir (Turkey)**  
Güler Y., DİKMEN F., ÖZDEM A.  
Journal of Apicultural Science, vol.59, no.2, pp.13-25, 2015 (SCI-Expanded)
- V. **FLIES AS POLLINATORS OF MELITTOPHILOUS SALVIA SPECIES (LAMIACEAE)**  
CELEP F., Atalay Z., Dikmen F., DOĞAN M., Classen-Bockhoff R.

AMERICAN JOURNAL OF BOTANY, vol.101, no.12, pp.2148-2159, 2014 (SCI-Expanded)

- VI. **Contributions on the current knowledge of the diversity of the Megachilidae (Apoidea: Hymenoptera) fauna in the Mediterranean Region of Turkey**  
Güler Y., Dikmen F., Tore D., Aytekin A. M.  
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.38, no.3, pp.255-278, 2014 (SCI-Expanded)
- VII. **New records for the bee fauna of Iran (Hymenoptera: Apoidea)**  
Khaghaninia S., Guler Y., Dikmen F.  
ZOOLOGY IN THE MIDDLE EAST, vol.59, no.4, pp.319-325, 2013 (SCI-Expanded)
- VIII. **Potential Bee Pollinators of Sweet Cherry in Inclement Weather Conditions**  
Guler Y., Dikmen F.  
JOURNAL OF THE ENTOMOLOGICAL RESEARCH SOCIETY, vol.15, pp.9-19, 2013 (SCI-Expanded)
- IX. **Bombini and Halictidae (Hymenoptera: Apoidea) Fauna of Afyonkarahisar Province of Turkey**  
Güler Y., Aytekin A. M., Dikmen F.  
JOURNAL OF THE ENTOMOLOGICAL RESEARCH SOCIETY, vol.13, pp.1-22, 2011 (SCI-Expanded)
- X. **Taxonomic studies on the genus Halictus Latreille, 1804 in Turkey**  
Dikmen F., Radchenko V. G., Aytekin A. M.  
ZOOLOGY IN THE MIDDLE EAST, vol.54, pp.79-100, 2011 (SCI-Expanded)
- XI. **Notes on the Halictus Latreille (Hymenoptera: Halictidae) fauna of Turkey**  
Dikmen F., Aytekin A. M.  
TURKISH JOURNAL OF ZOOLOGY, vol.35, no.4, pp.537-550, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Contributions to Bombus Latreille (Hymenoptera: Apidae) Fauna of Eskişehir Province of Turkey**  
Daşer Özgüşi B., Dikmen F.  
Mellifera, vol.20, no.2, pp.77-88, 2020 (Peer-Reviewed Journal)
- II. **Physicochemical and palynological characterization of the onobrychis miller (fabaceae) honey**  
ÖZENİRLER Ç., GENÇAY ÇELEMLİ Ö., Ecem Bayram N., DİKMEN F., ZARE G., ÇELİKBIÇAK Ö., Sorkun K.  
Gazi University Journal of Science, vol.32, no.1, pp.63-76, 2019 (ESCI)
- III. **Plant Preferences of Halictus Latreille (Halictidae: Hymenoptera) in the Mediterranean Region of Southern Turkey**  
DİKMEN F., Aytekin A. M., Töre D.  
EUROPEAN JOURNAL OF BIOLOGY, vol.77, no.2, pp.65-69, 2018 (Peer-Reviewed Journal)
- IV. **Two Model Genera to Demonstrate the Pollinator Bee Diversity of Turkey: Evylaeus Robertson and Halictus Latreille (Halictidae: Hymenoptera)**  
DİKMEN F.  
MELLIFERA, vol.18, no.2, pp.37-42, 2018 (Peer-Reviewed Journal)
- V. **Insect (Coleoptera and Orthoptera) species of İstanbul in the Zoology Collection of İstanbul University**  
DİKMEN F., ÖZULUĞ O.  
Turkish Journal of Bioscience and Collections, vol.2, no.1, pp.27-43, 2018 (Peer-Reviewed Journal)
- VI. **Halictus Latreille (Halictidae: Apoidea: Hymenoptera) Fauna of Hacettepe University Beytepe Campus (Ankara)**  
Daşer-Özgüşi B., DİKMEN F.  
MELLIFERA, vol.16, no.2, pp.47-54, 2016 (Peer-Reviewed Journal)
- VII. **Notes on Rophites algirus Pérez, 1895 and Rophites quinquespinosus Spinola, 1808 of Mediterranean Turkey with an Updated List of Subfamily Rophitinae (Hymenoptera: Halictidae) of Turkey**  
DİKMEN F., Aytekin A. M.

MELLIFERA, vol.12, no.24, pp.17-26, 2012 (Peer-Reviewed Journal)

VIII. **Systematical Studies on The Family Halictidae (Apiformes: Apoidea: Hymenoptera) in Ankara Province**

DİKMEN F., Çağatay N.

MELLIFERA, vol.8, no.16, pp.19-32, 2008 (Peer-Reviewed Journal)

IX. **The Role and the Importance of the Family Halictidae (Apiformes: Apoidea) in Pollination of Natural and Agricultural Vegetation**

DİKMEN F.

MELLIFERA, vol.7, pp.16-19, 2007 (Peer-Reviewed Journal)

X. **Ankara'daki tozlaştırıcı arılardan Halictidae (Apiformes: Apoidea: Hymenoptera) familyası üzerine faunistik çalışmalar**

DİKMEN F., Çağatay N.

Uludağ Arıcılık Dergisi - Uludağ Bee Journal, vol.7, no.3, pp.94-101, 2007 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Ağaç Atlası**

DİKMEN F.

Taze Kitap Yayınevi, İstanbul, 2018

II. **Kafası Değişikler Atlası**

DİKMEN F., Sevde Z.

Taze Kitap Yayınevi, İstanbul, 2018

III. **Fil Ozoğ'un Bilim Günlüğü**

DİKMEN F.

Taze Kitap Yayınevi, Ankara, 2017

IV. **Fil Ozoğ'un Doğa Günlüğü**

DİKMEN F.

Taze Kitap Yayınevi, Ankara, 2017

V. **Böcek Atlası**

DİKMEN F.

Taze Kitap Yayınevi, İstanbul, 2017

VI. **Hayvan Atlası**

DİKMEN F., Sevde Z.

Taze Kitap Yayınevi, İstanbul, 2017

VII. **Yeşil Günlük**

DİKMEN F., Sevde Z.

Taze Kitap Yayınevi, İstanbul, 2016

## Refereed Congress / Symposium Publications in Proceedings

I. **Pollination Ecology, Specialization, and Genetic Isolation in Sympatric Bee-Pollinated Salvia (Lamiaceae)**

CELEP F., Atalay Z., DİKMEN F., DOĞAN M., Sytsma K. J., Claßen-Bockhof R.

EEBST 2021: Ecology and Evolutionary Biology Symposium, Turkey, 16 August 2021, pp.38

II. **The Comprehensive Characterization of Segmental Duplication in Zebrafish Genome**

DİKMEN F., YILDIZBAYRAK N., ELDEM V., ERKAN M. B.

13th International Symposium on Fisheries and Aquatic Sciences (FABA), Ankara, Turkey, 21 - 23 November 2018, pp.81

III. **Evaluations of pollen dispenser's effect on fruit set and yield in Prunus avium**

- Özenirler Ç., DİKMEN F.  
2nd International Plant Science and Technology Congress (IPSAT), Muğla, Turkey, 7 - 10 October 2018, pp.4
- IV. **Integrating Species Delimitation Methods and Landmark Based Geometric Morphometrics on the Genus Halictus s. str. Latreille, 1804 (Hymenoptera: Apoidea: Halictidae)**  
Daşer-Özgişi B., DİKMEN F., Aytekin A. M.  
45th Apimondia International Apicultural Congress, İstanbul, Turkey, 29 September - 04 October 2017, pp.40
- V. **A Case Study on the Pollinator Bee Diversity: Barcoding the Members of the Genus Halictus s. str. Latreille (Halictidae: Apoidea: Hymenoptera) of Turkey**  
Daşer-Özgişi B., DİKMEN F., Aytekin A. M.  
The 3rd International Symposium on EuroAsian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, pp.12
- VI. **Whole-Genome Characterization and Composition of European Anchovy (Engraulis Encrasicolus L., 1758)**  
ELDEM V., Yüksel B., ERKAN M. B., Zararsız G., DİKMEN F., Saraç A., AYDIN Y., Taşçı T., Gücü A. C.  
FABA 2016: International Symposium on Fisheries and Aquatic Sciences, Antalya, Turkey, 3 - 05 November 2016, pp.111-112
- VII. **Comparing species delimitation methods based on single-locus data: A case study on the genus Halictus Latreille, 1804 (Halictidae: Apoidea: Hymenoptera)**  
Daşer-Özgişi B., DİKMEN F., Aytekin A. M.  
3rd Ecology and Evolutionary Biology Symposium, Ankara, Turkey, 31 August - 01 October 2016, pp.43
- VIII. **Characterization of nest structure and foraging behavior of Xylocopa iris Christ 1791 Hymenoptera Apoidea Apidae**  
Daşer B., ÖZENİRLER Ç., ÖZGİŞİ K., BARKAN N. P., DİKMEN F., AYTEKİN A. M.  
44th Apimondia International Apicultural Congress, 15 - 20 September 2015
- IX. **Characterization of Nest Structure and Foraging Behaviour of Xylocopa iris (Christ, 1791) (Hymenoptera: Apoidea: Apidae).**  
Daşer-Özgişi B., Özenirler Ç., Özgişi K., Barkan N. P., DİKMEN F., Sorkun K., Aytekin A. M.  
44th Apimondia International Apicultural Congress, Daejeon, South Korea, 15 - 20 September 2015, pp.424
- X. **Comparing Distance and Character Based DNA Barcoding in Halictus Species**  
Daşer-Özgişi B., DİKMEN F., Aytekin A. M.  
Workshop on Quantitative Evolutionary Biology, İzmir, Turkey, 14 - 21 September 2014
- XI. **Halictus Latreille (Halictidae: Hymenoptera) Cinsine Ait Türlerin Kanatları Üzerinde Geometrik Morfometrik Analizler**  
Dikmen F., Aytekin A. M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.225
- XII. **Akdeniz Bölgesi'ndeki Halictidae (Hymenoptera) Türlerinin En Sık Ziyaret Ettikleri Çiçekli Bitkiler**  
DİKMEN F., Aytekin A. M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.267
- XIII. **Ankara Halictus (Halictidae: Apoidea: Hymenoptera) Cinsi Faunası**  
Daşer-Özgişi B., DİKMEN F., Aytekin A. M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.999
- XIV. **Halictidae (Hymenoptera) Türlerinin Arka Kanatları Üzerinde Eliptik Fourier Analizleri**  
Özenirler Ç., DİKMEN F., Aytekin A. M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.225
- XV. **Entomopalynology and its Applications in Pollination Ecology**  
Özenirler Ç., DİKMEN F., Sorkun K., Aytekin A. M.  
12. Asian Apicultural Association Conference, Antalya, Turkey, 24 - 27 April 2014
- XVI. **Floral Preferences of Bumble Bees (Hymenoptera: Apidae: Bombus Latreille) In The Mediterranean Region of Turkey**  
Barkan N. P., DİKMEN F., Özenirler Ç., Töre D., Aytekin A. M.  
43rd Apimondia International Apicultural Congress, Kiev, Ukraine, 29 September - 04 October 2013, pp.219
- XVII. **Flower preferences of Megachilidae Apoidea Hymenoptera in the Mediterranean Region of Southern**

## Turkey

Yasemin G., DİKMEN F., Töre D., AYTEKİN A. M.

IX. European Congress of Entomology, 22 - 27 August 2010, pp.144

## Expert Reports

- I. **Evaluation Report on Insect Contamination in Coffee Bean Containers Requested by Battermann & Tillery Company (Turkey)**  
DİKMEN F.  
Battermann & Tillery, pp.5, İstanbul, 2019
- II. **Evaluation Report on Insect Contamination in Coffee Bean Containers Requested by Battermann & Tillery Company (Turkey)**  
DİKMEN F.  
Battermann & Tillery, pp.5, İstanbul, 2019
- III. **Esenyurt ve Katsan'daki ürün depo alanındaki böcek kontaminasyonu hk.**  
DİKMEN F.  
Battermann & Tillery, pp.13, İstanbul, 2016
- IV. **Esenyurt ve Katsan'daki ürün depo alanındaki böcek kontaminasyonu hk.**  
DİKMEN F.  
Battermann & Tillery, pp.13, İstanbul, 2016

## Supported Projects

Dikmen F., Eldem V., Project Supported by Higher Education Institutions, Comparison of the transcriptome profiles of antennal Chemosensory reseptors of Long and Short-Tongued species of the genus *Bombus* Latreille, 1802 Apidae Hymenoptera, 2020 - 2022

Güler Y., Dikmen F., Project Supported by Public Organizations in Other Countries, Conservation of pollinator diversity for enhanced climate change resilience, 2017 - 2022

DİKMEN F., DABAK T., Project Supported by Higher Education Institutions, Çiçek Kokularının *Bombus terrestris* L. Anten Kemoreseptör Transkriptom Profilleri Üzerine Etkisinin Araştırılması, 2020 - 2021

Eldem V., Dikmen F., Project Supported by Higher Education Institutions, Hamsi balığı (*Engraulis encrasicolus* L. 1758) genom iskelet dizilerinin tek tüp uzun fragment okuma (stLFR) teknolojisi ile oluşturulması, 2020 - 2021

Dikmen F., Eldem V., TUBITAK Project, *Bombus* Arısının (*Bombus terrestris* L.) Gelişim Sürecinde Anten Kemoreseptörlerinin Genom Düzeyindeki İfade Eğilimlerinin Araştırılması, 2019 - 2021

Dikmen F., Özenirler Ç., Eldem V., TUBITAK Project, *Bombus* arısının (*Bombus terrestris* L.) gelişim sürecinde anten kemoreseptörlerinin genom düzeyindeki ifade eğilimlerinin araştırılması, 2019 - 2021

Güler Y., Dikmen F., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Bartın ve Kastamonu İllerinde Megachilidae ve Halictidae (Hym.: Apoidea) Faunasının Belirlenmesi ve Bu Türler Üzerinde DNA Barkodlama Analizlerinin Yapılması, 2017 - 2021

DİKMEN F., ÖZ G., Project Supported by Higher Education Institutions, Arıcılık Laboratuvarı Kurulması Projesi, 2015 - 2019

## Scientific Refereeing

European Journal of Biology, National Scientific Refreed Journal, November 2019

Proje Önerilerini Değerlendirme Paneli, Other Journals, June 2019

Journal of Apicultural Research, SCI Journal, June 2019

Genetics of Aquatic Organisms (GenAqua), National Scientific Refreed Journal, May 2019

Annales de la Société Entomologique de France, SCI Journal, February 2019  
Proje Önerilerini Degerlendirme Paneli, Other Journals, December 2018  
Journal of Apicultural Research, SCI Journal, September 2018  
Project Supported by Higher Education Institutions, June 2018  
Mellifera, National Scientific Refreed Journal, May 2018  
Turkish Journal of Bioscience and Collections, National Scientific Refreed Journal, December 2017  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, March 2017  
Turkish Journal of Botany, National Scientific Refreed Journal, February 2017  
Turkish Journal of Biology, National Scientific Refreed Journal, December 2016  
Turkish Journal of Zoology, SCI Journal, October 2016  
Mellifera, National Scientific Refreed Journal, August 2016  
Proje Önerilerini Degerlendirme Paneli, Other Journals, June 2016  
Hacettepe Journal of Biology and Chemistry, National Scientific Refreed Journal, January 2016  
Proje Önerilerini Degerlendirme Paneli, Other Journals, November 2015  
Pakistan Journal of Zoology, SCI Journal, May 2015  
Turkish Journal of Zoology, SCI Journal, April 2015

## Scientific Consultations

Battermann & Tillery Sigorta Ekpertiz Hizmetleri LTD ŞTİ., Scientific Consultancy, Istanbul University, Faculty Of Science, Biyoloji, Turkey, 2019 - 2019  
Battermann & Tillery Sigorta Ekpertiz Hizmetleri LTD ŞTİ., Scientific Consultancy, Istanbul University, Faculty Of Science, Biyoloji, Turkey, 2019 - 2019  
Arter - Vehbi Koç Vakfi, Scientific Consultancy, Istanbul University, Faculty Of Science, Biyoloji, Turkey, 2019 - 2019  
Battermann & Tillery Sigorta Ekpertiz Hizmetleri LTD ŞTİ., Scientific Consultancy, Istanbul University, Faculty Of Science, Biyoloji, Turkey, 2016 - 2016

## Metrics

Publication: 49  
Citation (WoS): 44  
Citation (Scopus): 87  
H-Index (WoS): 4  
H-Index (Scopus): 5

## Congress and Symposium Activities

13th International Symposium on Fisheries and Aquatic Sciences (FABA), Attendee, Ankara, Turkey, 2018  
45th Apimondia International Apicultural Congress, Attendee, İstanbul, Turkey, 2017  
22. Ulusal Biyoloji Kongresi, Attendee, Eskişehir, Turkey, 2014  
EurBee4: 4th European Conference of Apidology, Attendee, Ankara, Turkey, 2010  
IXth. European Congress of Entomology, Attendee, Budapest, Hungary, 2010  
XIII. OPTIMA Meeting, Attendee, Antalya, Turkey, 2010

## Scholarships

Short Term Scientific Mission, European Commission, 2015 - 2015