

Assoc. Prof. BURCU TARIKAHYA HACIOĞLU

Personal Information

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International Researcher IDs

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Biography

She completed her BSc, MSc and PhD studies in Hacettepe University Department of Biology. She worked as a Research Assistant at Hacettepe University Department of Biology between 2001-2010. She worked at the Ministry of Food, Agriculture and Livestock (MoFAL) between 2010-2018. In MoFAL she worked in Turkey Seed Gene Bank, Biotechnology Research Center and TAGEM as Coordinator of Biodiversity and Genetic Resources. She was appointed to Hacettepe University Biology Department in 2018. Her main research areas are plant systematics, molecular taxonomy, ethnobotany and agricultural biodiversity. She has more than 30 articles published in international and national journals.

Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Biyoloji/Botanik, Turkey 2003 - 2009

Postgraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 2000 - 2003

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Türkiye Symphytum L. (Boraginaceae) Cinsinin Revizyonu, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji/Botanik, 2009

Postgraduate, Kırmir çayı (Kocaçay) Vadisi (Güdül, Ankara) Florası Üzerine Bir Araştırma, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji/Botanik, 2003

Research Areas

Life Sciences, Plant Biology, Systematic Botany, Natural Sciences

Academic Titles / Tasks

Associate Professor, Hacettepe University, Fen Fakültesi, Biyoloji, 2018 - Continues
Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji, 2001 - 2010

Advising Theses

TARIKAHYA HACIOĞLU B., Türkiye’de Yetişen *Noccaea* Sensu Meyer Taksonlarının Revizyonu, Doctorate, K.ÖZGİŞİ(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Revealing genetic diversity of tulips in Turkey with inter-simple sequence repeat markers**
TARIKAHYA HACIOĞLU B., Eker İ.
Genetic Resources and Crop Evolution, vol.71, no.3, pp.1025-1034, 2024 (SCI-Expanded)
- II. **Haplotype diversity and molecular phylogeny of wild *Crambe* L. (Brassicaceae) taxa of Turkey**
TARIKAHYA HACIOĞLU B., ÖZGİŞİ K.
Turkish Journal of Botany, vol.47, no.4, pp.278-290, 2023 (SCI-Expanded)
- III. **Phylogeny, biogeography, and character evolution in the genus *Scilla* s.l. and its close relatives *Chionodoxa*, *Gemicia*, *Puschkinia*, and *Prospero* (Asparagaceae)**
ÖZÜDOĞRU B., Uluer D. A., TARIKAHYA HACIOĞLU B., YILDIRIM H.
PLANT SYSTEMATICS AND EVOLUTION, vol.308, no.6, 2022 (SCI-Expanded)
- IV. **Species delimitation of the northeastern Anatolian *Symphytum* (Boraginaceae) taxa**
ÖZGİŞİ K., TARIKAHYA HACIOĞLU B.
PHYTOTAXA, vol.516, no.3, pp.237-251, 2021 (SCI-Expanded)
- V. **Species delimitation in *Noccaea densiflora* species complex (Brassicaceae) based on morphological and molecular data**
ÖZGİŞİ K., TARIKAHYA HACIOĞLU B., Ocak A.
BOTANY, vol.99, no.7, pp.389-402, 2021 (SCI-Expanded)
- VI. **An attempt to solve the taxonomic confusion of *Thlaspiceras* FKMey. complex (*Noccaea* Moench-Brassicaceae) with ISSRs**
Ozgisi K., OCAK A., TARIKAHYA HACIOĞLU B.
TURKISH JOURNAL OF BOTANY, vol.44, no.3, pp.338-344, 2020 (SCI-Expanded)
- VII. **PHYLOGENY OF THE GENUS *NOCCAEA* (BRASSICACEAE) AND A CRITICAL REVIEW OF ITS GENERIC CIRCUMSCRIPTION**
Özüdoğru B., Ozgisi K., Tarikahya-Hacioglu B., Ocak A., Mummenhoff K., Al-Shehbaz I. A.
ANNALS OF THE MISSOURI BOTANICAL GARDEN, vol.104, no.3, pp.339-354, 2019 (SCI-Expanded)
- VIII. **Seed fatty acid compositions and chemotaxonomy of wild safflower (*Carthamus* L., Asteraceae) species in Turkey**
ARSLAN Y., Tarikahya Hacioglu B.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.42, no.1, pp.45-54, 2018 (SCI-Expanded)
- IX. **POLLEN AND SEED MORPHOLOGY OF *CRAMBE* SPECIES OF TURKEY**
BÜLBÜL A. S., TARIKAHYA HACIOĞLU B., ARSLAN Y., SUBAŞI İ.
Journal Of Animal And Plant Sciences, vol.27, pp.1331-1339, 2017 (SCI-Expanded)
- X. **Molecular diversity of the wild *Crambe* (Brassicaceae) taxa in Turkey detected by inter-simple sequence repeats (ISSRs)**
Tarikahya-Hacioglu B.
INDUSTRIAL CROPS AND PRODUCTS, vol.80, pp.214-219, 2016 (SCI-Expanded)
- XI. **Phylogenetic position and taxonomic assignment of *Thlaspi aghricum* PHDavis & K.Tan (Brassicaceae)**
Firat M., ÖZÜDOĞRU B., TARIKAHYA-HACIOĞLU B., Bulbul A. S., AL-SHEHBAZ I. A., MUMMENHOFF K.

- PHYTOTAXA, vol.178, no.4, pp.287-297, 2014 (SCI-Expanded)
- XII. **The speciation history and systematics of *Carthamus* (Asteraceae) with special emphasis on Turkish species by integrating phylogenetic and Ecological Niche Modelling data**
Tarikahya-Hacioglu B., KARACAOĞLU Ç., ÖZÜDOĞRU B.
PLANT SYSTEMATICS AND EVOLUTION, vol.300, no.6, pp.1349-1359, 2014 (SCI-Expanded)
- XIII. **Molecular characterization of the wild relatives of safflower (*Carthamus tinctorius* L.) in Turkey as revealed by ISSRs**
YAMAN H., Tarikahya-Hacioglu B., ARSLAN Y., SUBAŞI İ.
GENETIC RESOURCES AND CROP EVOLUTION, vol.61, no.3, pp.595-602, 2014 (SCI-Expanded)
- XIV. **Investigation of Molecular Diversity of Asian Safflower (*Carthamus tinctorius* L.) Accessions by RAPD Markers for Using in Hybridization Program**
TARIKAHYA HACIOĞLU B., YAMAN H., ARSLAN Y., SUBAŞI İ., KATAR D.
RESEARCH ON CROPS, vol.14, pp.169-174, 2013 (SCI-Expanded)
- XV. **Pollen morphology of *Carthamus* L. species in Anatolian flora**
Bulbul A. S., Tarikahya-Hacioglu B., ARSLAN Y., SUBAŞI İ.
PLANT SYSTEMATICS AND EVOLUTION, vol.299, no.3, pp.683-689, 2013 (SCI-Expanded)
- XVI. **Lectotypification of *Symphytum anatolicum* (Boraginaceae)**
TARIKAHYA HACIOĞLU B., Erik S.
Turkish Journal Of Botany, vol.36, pp.101-102, 2012 (SCI-Expanded)
- XVII. **Phylogeny of *Symphytum* L. (Boraginaceae) with Special Emphasis on Turkish Species**
TARIKAHYA HACIOĞLU B., ERİK S.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, pp.15483-15493, 2011 (SCI-Expanded)
- XVIII. **Chemotaxonomy of *Ballota* species**
Citoglu G., Yilmaz B., Tarikahya B., Tipirdamaz R.
CHEMISTRY OF NATURAL COMPOUNDS, vol.41, no.3, pp.299-302, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of Different Pre-Treatments on Wild Safflower (*Carthamus* spp.) Seed Germination**
ARSLAN Y., GÜLER S., SUBAŞI A., SUBAŞI İ., TARIKAHYA HACIOĞLU B., KATAR D., BÜLBÜL A. S.
Biyolojik Bilimleri Araştırma Dergisi, 2018 (Peer-Reviewed Journal)
- II. **Molecular Characterization of Materials Selected from Some *Camelina sativa* (L.) Crantz. Populations**
YAMAN H., ULUM K. N., TARIKAHYA HACIOĞLU B., ARSLAN Y., SUBAŞI İ.
Anadolu, vol.27, pp.123-126, 2017 (Peer-Reviewed Journal)
- III. **ITS Phylogeny and Molecular Dating of *Gundelia* (Asteraceae) of Anatolia**
TARIKAHYA HACIOĞLU B., FIRAT M.
Anadolu, vol.27, pp.74-77, 2017 (Peer-Reviewed Journal)
- IV. **Pollen Morphology of an Endangered, Endemic Anatolian Species, *Nocca aghrica* (P.H.Davis Kit Tan) M.Firat Özüdoğru (Brassicaceae)**
BÜLBÜL A. S., FIRAT M., TARIKAHYA HACIOĞLU B.
Hacettepe Journal of Biology and Chemistry, vol.44, pp.115-118, 2016 (Peer-Reviewed Journal)
- V. **Achene Morphology of Turkish *Carthamus* Species**
TARIKAHYA HACIOĞLU B., ARSLAN Y., SUBAŞI İ., KATAR D., BÜLBÜL A. S., ÇETER T.
Australian Journal of Crop Science, vol.6, pp.1260-1264, 2012 (Scopus)
- VI. **Taxonomy of *Symphytum asperum* Lepechin and *S. sylvaticum* Boiss. (Boraginaceae) based on Macro- and Micro-morphology**
TARIKAHYA HACIOĞLU B., Erik S.
Hacettepe Journal of Biology and Chemistry, vol.38, pp.47-61, 2010 (Peer-Reviewed Journal)
- VII. **Pollen Morphology of Some *Thymus* L. (Lamiaceae) Taxa Used as Spice in Anatolia**
Kızılpınar Temizer İ., Özüdoğru B., Tarikahya Hacıoğlu B., Doğan C., Erik S.

- Mellifera, vol.9, pp.13-22, 2009 (Peer-Reviewed Journal)
- VIII. **New Contributions to the Flora of Beytepe Campus (Ankara) and Floristic Comparison with Neighboring Floras and Other Campus Floras**
MUTLU B., Erik S., TARIKAHYA HACIOĞLU B.
Hacettepe Journal of Biology and Chemistry, vol.36, pp.181-195, 2008 (Peer-Reviewed Journal)
- IX. **Güdül (Ankara) ve Çevresinin Etnobotanik Özellikleri**
TARIKAHYA HACIOĞLU B., Erik S.
Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi, vol.26, pp.57-64, 2006 (Peer-Reviewed Journal)
- X. **Flora of Kirmir Valley (Güdül, Ankara)**
TARIKAHYA HACIOĞLU B., Erik S.
Turkish Journal of Botany, vol.29, pp.435-461, 2005 (Peer-Reviewed Journal)
- XI. **ANKARA'NIN FLORU/KURT KRAUSE**
TARIKAHYA HACIOĞLU B.
KEBİKEÇ, vol.9, pp.165-166, 2004 (Peer-Reviewed Journal)
- XII. **TÜRKİYE FLORASI ÜZERİNE**
Erik S., TARIKAHYA HACIOĞLU B.
KEBİKEÇ, vol.9, pp.139-163, 2004 (Peer-Reviewed Journal)
- XIII. **New Floristic Records for A4, B1, B4, B5, B7 and C3 Squares In Flora of Turkey**
TARIKAHYA HACIOĞLU B., MUTLU B., Erik S.
Hacettepe Journal of Biology and Chemistry, vol.32, pp.83-95, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Genomics, Phenomics, and Next Breeding Tools for Genetic Improvement of Safflower (Carthamus tinctorius L.)**
YEKEN M. Z., YILMAZ A., Ali F., BARUT M., Nadeem M. A., YILMAZ H., Naeem M., TARIKAHYA HACIOĞLU B., ARSLAN Y., KURT C., et al.
in: Oil Crop Genomics, Tombuloglu H., Unver T., Tombuloglu G., Hakeem K.R., Editor, Springer, pp.217-269, 2021
- II. **Carthamus**
TARIKAHYA HACIOĞLU B.
in: Türkiye Bitkileri Listesi, Adil Güner, Editor, Nezahat Gökyiğit botanik Bahçesi ve Flora Araştırmaları Derneği Yayını, İstanbul, pp.126-127, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **ITS2 Secondary Structure and CBC Species Concept: A Case Study on the Genus Noccaea Moench (Brassicaceae)**
ÖZGİŞİ K., DAŞER ÖZGİŞİ B., OCAK A., Tarıkahya Hacıoğlu B., ÖZÜDOĞRU B.
The 3rd International Symposium on EuroAsian Biodiversity, 5 - 08 July 2017
- II. **Phylogeny of the genus Noccaea Moench. (Brassicaceae) and a critical review of its generic circumscription**
ÖZÜDOĞRU B., ÖZGİŞİ K., TARIKAHYA HACIOĞLU B., OCAK A., MUMMENHOFF K.
Uluslararası Biyoçeşitlilik ve Yenilebilir Otlar Sempozyumu (BEWS2017), 3 - 05 May 2017
- III. **Noccaea s l versus Noccaea s str Does Sampling Strategy Affect Phylogenetic Reconstruction**
ÖZGİŞİ K., ÖZÜDOĞRU B., TARIKAHYA HACIOĞLU B., OCAK A., MUMMENHOFF K.
3rd Ecology and Evolutionary Biology Symposium, 31 August - 01 September 2016

Supported Projects

Tarikahya Hacıođlu B., TUBITAK Project, Investigation of Triticum Species in Gene Pool of Cultivated Wheat by Taxonomic, Morphometric and Genotyping by Sequencing (GBS) Methods, 2023 - 2026

Tarikahya Hacıođlu B., Arslan Y., TUBITAK Project, Evaluation of Pelemir (Cephalaria Syriaca L.) Plant Widely Found in the Natural Flora of Turkey in terms of Agricultural Properties and Investigation of Its Potential as Breeding Material, 2021 - 2024

TARIKAHYA HACIOĐLU B., PETEK S., EKER İ., Project Supported by Higher Education Institutions, Türkiye'deki Tulipa L. (Liliaceae) Cinsinin ISSR Yöntemi ile Genetik Çeşitliliğinin Belirlenmesi, 2020 - 2022

TARIKAHYA HACIOĐLU B., TUBITAK Project, Türkiye'de Yayılış Gösteren Scilla L., Prospero Salibs ve Puschkinia Adams (Asparagaceae) Taksonları Üzerine Filogenetik Bir Araştırma, 2017 - 2018

TARIKAHYA HACIOĐLU B., Project Supported by Other Official Institutions, Bazı Ketencik (Camelina sativa (L.) Crantz.) Populasyonlarının Tarımsal Özelliklerinin Belirlenmesi ve Islahta Kullanım Olanaklarının Araştırılması, 2014 - 2016

TARIKAHYA HACIOĐLU B., TUBITAK Project, Buğday Ve Arpada Anter Kültürü İçin En Uygun Yetiştirme Koşullarının Belirlenmesi ve Anterlerin Ultra Soğuk Koşullarda Muhafazasının Optimizasyonu, 2013 - 2016

TARIKAHYA HACIOĐLU B., Project Supported by Other Official Institutions, Türkiye'nin Crambe L. (Brassicaceae) Türlerinin Revizyonu ve Yağ Asidi Kompozisyonlarının Belirlenerek Tarıma Uygun Türlerin Belirlenmesi, 2013 - 2016

TARIKAHYA HACIOĐLU B., Project Supported by Other Official Institutions, Anadolu Doğal Florasında Bulunan Carthamus L. Türlerinin Genetik ve Morfolojik Karakterizasyonu ve Islah Materyali Olma İmkanlarının Araştırılması, 2011 - 2014

Dönmez A. A., Duyum M., Erik S., Mutlu B., Altınözlü H., Işık S., Tarikahya Hacıođlu B., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Herbariyumu'nun (HUB) Ekonomik Önemi Olan Geofitler ve Uluslar Arası Bitkilerce Zenginleştirilmesi, 2006 - 2008

Activities in Scientific Journals

PLANT GENETIC RESOURCES: CHARACTERISATION AND UTILISATION, Assistant Editor/Section Editor, 2023 - Continues

Metrics

Publication: 37

Citation (WoS): 68

Citation (Scopus): 60

H-Index (WoS): 5

H-Index (Scopus): 5

Non Academic Experience

Ministry, Tarım ve Orman Bakanlığı, TAGEM

GIDA TARIM VE HAYVANCILIK BAKANLIĞI