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International Researcher IDs

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Education Information

Doctorate, Istanbul University, Fen Bilimleri, Botanik, Turkey 2006 - 2011

Postgraduate, Istanbul University, Fen Bilimleri, Botanik, Turkey 2002 - 2006

Undergraduate, Istanbul University, Faculty Of Science, Biyoloji, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Türkiye'nin *Lepidium L. (Tere)* (Brassicaceae) Türleri Üzerinde Morfolojik ve Taksonomik Araştırmalar, Istanbul University, Fen Bilimleri Entitüsü, Botanik, 2010

Postgraduate, Bazı *Centaurea* Türleri Üzerinde Nümerik Taksonomik Çalışmalar., Istanbul University, Fen Bilimleri Entitüsü, Botanik, 2006

Research Areas

Life Sciences, Plant Biology, Systematic Botany, Bioinformatics, Biodiversity, Environmental Biology, Plant Diversity, Molecular Biology and Genetics, Plant Molecular Genetics, Population Biology, Population Genetics, Natural Sciences

Academic Titles / Tasks

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

Published journal articles indexed by SCI, SSCI, and AHCI

1. Investigating the phytochemical profile, biological potentials, morphological, and anatomical characteristics of *Cyclotrichium organifolium* (Labill.) Manden. & Scheng. (Lamiaceae) from Turkey AYDIN B., Alkuyruk S. B., Tekman E., YUCA H., KARADAYI M., Gülşahin Y., Çeçen Ö., Bona G. E., DEMİRCİ B., BONA M., et al.

Protoplasma, 2024 (SCI-Expanded)

- II. **Phytochemical evaluation via GC-MS and LC-MS/MS: a comprehensive study of antidiabetic, antimicrobial, antioxidant, and genotoxic activities of extracts from endemic species *Centaurea amanicola* Hub.-Mor. and *C. antitauri* Hayek (Asteraceae)**
Nobarirezaeyeh M., YUCA H., AYDIN B., Civaş A., KARAKAYA S., KARADAYI M., DEMİR A. Y., BONA M., YILMAZ B., Göger G., et al.
Natural Product Research, 2024 (SCI-Expanded)
- III. **Phytochemical screening, biological evaluation, anatomical, and morphological investigation of *Ferula tingitana* L. (Apiaceae)**
KARAKAYA S., YUCA H., Yılmaz G., AYDIN B., TEKMAN E., EKŞİ BONA G., BONA M., Göger G., KARADAYI M., Gülşahin Y., et al.
PROTOPLASMA, vol.260, no.6, pp.1581-1601, 2023 (SCI-Expanded)
- IV. **Qualitative and quantitative phytochemicals of essential oils and extracts of *Thymbra spicata* subsp. *spicata* L. as a spice for diabetes mellitus**
YUCA H., Civaş A., TEKMAN E., Nadiroğlu R., Karakaş Ş., Dürüster Ş., Keçeci E. B., BONA M., Nobarirezaeyeh M., AYDIN B., et al.
Flavour and Fragrance Journal, vol.38, no.5, pp.378-391, 2023 (SCI-Expanded)
- V. **Anatomical, Morphological, and Chemical Characterizations and Biological Activities of *Gagea taurica* Steven (Liliaceae): A New Record for the Turkish Flora**
YUCA H., KARAKAYA S., EKŞİ BONA G., AYDIN B., Goger G., BONA M., Tekman E., ACAR ŞAHİN A., Sytar O., PINAR N. M., et al.
CHEMISTRY & BIODIVERSITY, vol.20, no.9, 2023 (SCI-Expanded)
- VI. **Contributions of Chemical Content and Biological Activity to Plant Taxonomy Based on the Four *Allium* L. Taxa (Sect. *Cupanoscordum* - Amaryllidaceae)**
EKŞİ BONA G., AKALIN ÇİFTÇİ G., DEMİRCİ B., Münevver Pınar N., ACAR ŞAHİN A., Koçyiğit M., BONA M., Mine Gençler Özkan A.
CHEMISTRY & BIODIVERSITY, vol.20, no.5, 2023 (SCI-Expanded)
- VII. ***Cypselia* micro-macromorphological characteristics of selected taxa of *Centaurea* L. from Turkey and their systematic importance**
BONA M., Çiftçi A., Ekşi G.
ADANSONIA, vol.45, no.2, pp.27-39, 2023 (SCI-Expanded)
- VIII. **Phytochemical analysis, antioxidant, and enzyme inhibition activity of five *Salvia* taxa from Turkey**
Yılmaz G., Eryugur N., Bona G. E., BONA M., Akdeniz M., Yılmaz M. A., Ertas A.
SOUTH AFRICAN JOURNAL OF BOTANY, vol.152, pp.212-221, 2023 (SCI-Expanded)
- IX. **MORPHOLOGICAL HOMOPLASY AND SECTIONAL POLYPHYLY IN *CENTAUREA* SECT. *CYNAROIDES* AND RELATED TAXA**
BONA M., Hughes M.
GENETIKA-BELGRADE, vol.54, no.2, pp.515-537, 2022 (SCI-Expanded)
- X. **Systematic importance of achene macro-micromorphological characteristics in selected species of the genera *Crupina*, *Jurinea*, and *Klasea* (Asteraceae) from Turkey**
BONA M.
Microscopy Research and Technique, vol.83, pp.1345-1353, 2020 (SCI-Expanded)
- XI. **Evaluation of quorum sensing modulation by plant extracts originating from Turkey**
Yuzbasioglu E. C., Bona M., Serbetci T., Gurel F.
PLANT BIOSYSTEMS, vol.152, no.3, pp.376-385, 2018 (SCI-Expanded)
- XII. **A new species of *Centaurea* (Asteraceae) from East Anatolia, Turkey**
Kultur S., Bona M., Nath E. O.
PHYTOTAXA, vol.247, no.1, pp.85-91, 2016 (SCI-Expanded)
- XIII. ***Centaurea amanosensis* (Asteraceae), a new species from Turkey**
Bona M.

- PLANT BIOSYSTEMS, vol.150, no.5, pp.1083-1086, 2016 (SCI-Expanded)
- XIV. **SYSTEMATIC IMPLICATIONS OF ACHENE CHARACTERISTICS IN GENERA CENTAUREA L., CYANUS MILL., PSEPHELLUS CASS. AND RHAPONTICOIDES VAILL. (ASTERACEAE)**
Bona M.
BANGLADESH JOURNAL OF PLANT TAXONOMY, vol.22, no.2, pp.125-136, 2015 (SCI-Expanded)
- XV. **ALLIUM PHANERANTHERUM SUBSP INVOLUCRATUM (AMARYLLIDACEAE), A NEW SUBSPECIES FROM TURKEY**
Eksi G., Koyuncu M., Bona M.
BANGLADESH JOURNAL OF PLANT TAXONOMY, vol.22, no.2, pp.143-146, 2015 (SCI-Expanded)
- XVI. **Centaurea goksivriensis (Asteraceae), a new species from Turkey**
Bona M.
PHYTOTAXA, vol.203, no.1, pp.63-68, 2015 (SCI-Expanded)
- XVII. **A new species of Centaurea sect. Pseudoseridia (Asteraceae) from north-eastern Turkey**
Yuzbasioglu I. S., Bona M., Genc İ.
PHYTOKEYS, vol.53, pp.27-38, 2015 (SCI-Expanded)
- XVIII. **Conservation status and endemism of seven rare Centaurea L.(Asteraceae) taxa from Turkey and Syria**
BONA M., Ghazal Asswad N.
VEGETOS, no.27, pp.180-188, 2014 (SCI-Expanded)
- XIX. **ACHENE CHARACTERISTICS OF TURKISH CENTAUREA (ASTERACEAE) AND THEIR SYSTEMATIC APPLICATION**
Bona M.
BANGLADESH JOURNAL OF BOTANY, vol.43, no.2, pp.163-168, 2014 (SCI-Expanded)
- XX. **Chromosome numbers of five Turkish Centaurea L. (Asteraceae) species**
Kocyigit M., Bona M.
PLANT BIOSYSTEMS, vol.147, no.4, pp.970-978, 2013 (SCI-Expanded)
- XXI. **Seed-coat microsculpturing of Turkish Lepidium (Brassicaceae) and its systematic application**
Bona M.
TURKISH JOURNAL OF BOTANY, vol.37, no.4, pp.662-668, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **LEAF AND SCAPE ANATOMY OF THREE ALLIUM L. (AMARYLLIDACEAE) SPECIES FROM SECT. CUPANIOSCORDUM**
Ekşi G., Yılmaz G., Bona M., Gençler Özkan A. M.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.45, no.2, pp.309-320, 2021 (Scopus)
- II. **Numerical Taxonomic Analysis on Some Lepidium L. taxa (Brassicaceae) from Turkey**
Bona M.
European Journal of Biology, vol.79, no.2, pp.132-143, 2020 (Peer-Reviewed Journal)
- III. **The fern family Pteridaceae in Turkey**
BONA M., Gibby M.
Fern Gazette, no.20, pp.119-132, 2016 (Peer-Reviewed Journal)
- IV. **Taxonomic Revision of Lepidium L. (Brassicaceae) from Turkey**
BONA M.
Journal of Faculty of Pharmacy of Istanbul University, no.44, pp.31-62, 2014 (Peer-Reviewed Journal)
- V. **New floristic records of Centaurea s.l. (Asteraceae) for 27 squares in the flora of Turkey**
BONA M.
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, no.42, pp.331-335, 2014 (Peer-Reviewed Journal)
- VI. **An Overview to Centaurea s.l. (Asteraceae) Based on Herbarium Specimens of ISTE**
BONA M.

Journal of Faculty of Pharmacy of Istanbul University, no.43, pp.121-137, 2013 (Peer-Reviewed Journal)

VII. Distribution of *Lepidium Taxa* in Turkey

BONA M.

Boccone, no.24, pp.221-225, 2012 (Peer-Reviewed Journal)

VIII. In vitro propagation of endemic plant *Centaurea arifolia* Boiss. Taxa

Yüzbaşıoğlu E., Dalyan E., Bona M., Öz G.

IUFS JOURNAL OF BIOLOGY, no.71, pp.121-127, 2012 (Peer-Reviewed Journal)

IX. Total Phenolic Contents, Antioxidant Activities and Cytotoxicity of Three *Centaurea* Species: *C. calcitrapa* subsp. *calcitrapa*, *C. Ptosimopappa* and *C. Spicata*

Erol-Dayı Ö., PEKMEZ M., BONA M., ARDA E. Ş. N., ARAS PERK A.

Free Radicals and Antioxidants, no.1, pp.31-36, 2011 (Peer-Reviewed Journal)

X. Numerical Taxonomic Study on Some *Centaurea* L. Species

BONA M., ARAS PERK A.

IUFS JOURNAL OF BIOLOGY, no.67, pp.55-63, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

I. ANTIMICROBIAL ACTIVITY OF ROSE OIL AND ROSE WATER

EKŞİ BONA G., BONA M.

in: Rosa, Koçyiğit Mine, Arıcan Yağmur Emre, Haspolat Yusuf Kenan, Editor, Orient Publications, pp.102-113, 2023

II. *Pteris* / *Uzuneğreli*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.162-166, 2018

III. *Anogramma* / *Maydanozeğreli*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.158-160, 2018

IV. *Cryptogramma* / *Saklı Eğreli*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.154-158, 2018

V. *Allosorus* / *Kıvrıkeğreli*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.166-172, 2018

VI. *Cosentinia* / *Bozeğreli*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.160-162, 2018

VII. *Adiantum* / *Baldırıkara*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.174-176, 2018

VIII. *Paragymnopteris* / *Telekeğreli*

BONA M.

in: Resimli Türkiye Florası, Cilt 2, Güner, A., Kandemir, A., Menemen, Y., Yıldırım, H., Aslan, S., Ekşi, G., Güner, I., Çimen, A.Ö., Editor, Türkiye İş Bankası Kültür Yayınları, İstanbul, pp.172-174, 2018

IX. Istanbul's Honey Plants

ÖZHATAY F. N., KOÇYİĞİT AVCI M., BONA M.

Türkmenler, İstanbul, 2017

X. **Antioxidant Efficiency of Seabuckthorn (Hippophae rhamnoides L.) Extract in Ehrlich Ascites Carcinoma (EAC) of Balb/c Mice Model.**

GÜMÜŞTAŞ M. K., ARAS PERK A., Yavuz B., Cavak N., BONA M.

in: Seabuckthorn (Hippophae L.) : A Multipurpose Wonder Plant : Vol. IV: Emerging Trends in Research and Technologies, Daya V.S. , Editor, Vedams Books International , Yeni Delhi, pp.412-418, 2014

XI. **İstanbul'un Ballı Bitkileri**

Özhatay N., KOÇYİĞİT M., BONA M.

Türkmenler, İstanbul, 2012

Refereed Congress / Symposium Publications in Proceedings

I. **Endemik Centaurea Zaferii Negaresh Bitkisinin Antioksidan Aktivitesi, A- Amilaz ve AGlikozidaz Enzimlerini İnhibe Edici Özelliklerinin Belirlenmesi**

Tanacı T., Ergene A., Yırtıcı Ü., Bona M.

10. Uluslararası Bilimsel Araştırmalar Kongresi, Ankara, Turkey, 10 - 11 April 2021, pp.11-18

II. **Threatened categories of three Centaurea L. (Asteraceae) species cited in the data deficient (DD) category**

BONA M.

Plant Life of South West Asia, Edinburgh, United Kingdom, 1 - 05 July 2013, pp.22

III. **Ballı Bitkiler Herbaryumu**

BONA M., KOÇYİĞİT M., ÖZHATAY F. N.

XX. Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT), Antalya, Turkey, 10 - 13 October 2012, pp.108

IV. **Centaurea spicata Boiss. ve Centaurea ptoşimopappa Hayek Su Ekstraktlarının Antibakteriyel ve Antioksidan Aktivitesi**

Süerdem B., Erol-Dayı Ö., BONA M.

21. Uluslararası Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, pp.774

V. **Istanbul's Wild Flowering Richness as a Source for Honey**

ÖZHATAY F. N., KOÇYİĞİT M., BONA M.

The First Turkish Congress, Expo and Workshops on Honey and Honeybee Products with International Participation, Kayseri, Turkey, 22 - 26 February 2012, pp.45

VI. **Melliferous flowers of Istanbul (Turkey) and traditional uses.**

KOÇYİĞİT M., ÖZHATAY F. N., Bona M.

12th congress of International Society for Ethnopharmacology [ISE], India, 1 - 04 February 2012, pp.10

VII. **Distribution of Lepidium L. Taxa in Turkey**

BONA M.

XIII Optima Meeting, Antalya, Turkey, 22 - 26 March 2010, pp.143

VIII. **Numerical taxonomic study on some Centaurea L. species**

BONA M., ARAS PERK A.

7th Plant Life of South West Asia, Eskişehir, Turkey, 25 - 29 June 2007, pp.27

Supported Projects

BONA M., TİMİRCİ KAHRAMAN Ö., Project Supported by Other Official Institutions, Bal ve Diğer Arı Ürünleriyle Sağlıklı Yaşam Platformu, 2011 - 2012

Scientific Refereeing

Phytokeys, SCI Journal, January 2016

Edinburgh Journal of Botany, Other journals, February 2015

Metrics

Publication: 50

Citation (WoS): 136

Citation (Scopus): 163

H-Index (WoS): 9

H-Index (Scopus): 9