

## Prof. Mehmet BONA

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-8277-2020

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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 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)
- III. **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)
- IV. **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)
- V. **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)
- VI. ***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)
- VII. **Phytochemical analysis, antioxidant, and enzyme inhibition activity of five *Salvia* taxa from Turkey**  
Yılmaz G., Eruygur 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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. ***Centaurea amanosensis* (Asteraceae), a new species from Turkey**  
Bona M.  
PLANT BIOSYSTEMS, vol.150, no.5, pp.1083-1086, 2016 (SCI-Expanded)
- XIII. **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)
- XIV. ***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)

- XV. **Centaurea goksivriensis (Asteraceae), a new species from Turkey**  
Bona M.  
PHYTOTAXA, vol.203, no.1, pp.63-68, 2015 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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 BİOLOGY, 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 BİOLOGY, 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 / Uzuneğrelti**  
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 / Maydanozeğreltisi**  
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 Eğrelti**  
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 / Kıvrıkeğrelti**  
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 / Bozeğrelti**  
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 / Telekeğreltisi**  
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., KOÇYIĞIT 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. **İstanbul'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., Project Supported by Higher Education Institutions, Aken morfolojisinin Asteraceae familyasına ait taksonların sistematğinde kullanımı, 2014 - 2015
- BONA M., Project Supported by Higher Education Institutions, Centaurea L. Cinsi Üzerinde Arazi Çalışmaları, 2014 - 2014
- BONA M., Project Supported by Higher Education Institutions, Centaurea L. Cinsi Üzerinde Taksonomik Çalışmalar, 2013 - 2014
- BONA M., Project Supported by Higher Education Institutions, Centaurea L. Cinsine Ait Bazı Taksonlarının Karyolojisi, 2012 - 2014
- BONA M., Project Supported by Higher Education Institutions, Bazı Centaurea taxonlarının koruma statüsü, 2013 - 2013
- 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: 49

Citation (WoS): 136

Citation (Scopus): 163

H-Index (WoS): 9

H-Index (Scopus): 9