

## Assoc. 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

- Cypsela micro-macromorphological characteristics of selected taxa of *Centaurea L.* from Turkey and their systematic importance**  
Cypsela 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)

- II. **Phytochemical analysis, antioxidant, and enzyme inhibition activity of five *Salvia* taxa from Turkey**  
Yilmaz G., Eryugur N., Bona G. E., BONA M., Akdeniz M., Yilmaz M. A., Ertas A.  
South African Journal of Botany, vol.152, pp.212-221, 2023 (SCI-Expanded)
- III. **MORPHOLOGICAL HOMOPLASY AND SECTIONAL POLYPHYLY IN *CENTAUREA* SECT. *CYNAROIDES* AND RELATED TAXA MORFOLOŠKA HOMOPLAZA I POLIFILIJA KOD *CENTAUREA* SECT *CYNAROIDES* I SRODNIH TAKSONA**  
BONA M., Hughes M.  
Genetika, vol.54, no.2, pp.515-537, 2022 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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)
- VII. ***Centaurea amanosensis* (*Asteraceae*), a new species from Turkey**  
Bona M.  
PLANT BIOSYSTEMS, vol.150, no.5, pp.1083-1086, 2016 (SCI-Expanded)
- VIII. **SYSTEMATIC IMPLICATIONS OF ACHENE CHARACTERISTICS IN GENERA *CENTAUREA* L., *CYANUS* MILL., *PSEHELLUS* CASS. AND *RHAPONTICOIDES* VAILL. (*ASTERACEAE*)**  
Bona M.  
BANGLADESH JOURNAL OF PLANT TAXONOMY, vol.22, no.2, pp.125-136, 2015 (SCI-Expanded)
- IX. ***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)
- X. ***Centaurea goksivriensis* (*Asteraceae*), a new species from Turkey**  
Bona M.  
PHYTOTAXA, vol.203, no.1, pp.63-68, 2015 (SCI-Expanded)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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. **In vitro propagation of endemic plant Centaurea arifolia Boiss. taxa**  
Yüzbaşıoğlu E., Dalyan E., Bona M., Öz G.  
IUFS Journal of Biology, vol.71, no.2, pp.121-127, 2012 (Peer-Reviewed Journal)
- VIII. **Distribution of Lepidium Taxa in Turkey**  
BONA M.  
Boccone, no.24, pp.221-225, 2012 (Peer-Reviewed Journal)
- IX. **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)
- X. **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)
- XI. **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. **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
- 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. **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

- IV. **Anogramma / Maydanozeğretilisi**  
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
- V. **Cosentinia / Bozeğretili**  
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
- VI. **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
- VII. **Paragymnopteris / Telekeğretilisi**  
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
- VIII. **Istanbul's Honey Plants**  
ÖZHATAY F. N., KOÇYİĞİT AVCI M., BONA M.  
Türkmenler, İstanbul, 2017
- IX. **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
- X. **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 Herbariumu**  
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 ptochimopappa 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.**  
KOÇYIĞIT M., ÖZHATAY F. N., Bona M.  
12th congress of International Society for Ethnopharmacology [ISE], India, 1 - 04 February 2012, pp.10
- VII. **Distrubition 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**

TİMİRCİ KAHRAMAN Ö., BONA M., 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: 44  
Citation (WoS): 112  
Citation (Scopus): 121  
H-Index (WoS): 8  
H-Index (Scopus): 8