

## Lect. PhD SAFİNAZ ELMASULU

### Personal Information

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### Education Information

Doctorate, Akdeniz University, Fen Bilimleri, Turkey 2002 - 2010

Postgraduate, Akdeniz University, Fen Bilimleri, Tarla Bitkileri, Turkey 2000 - 2002

Undergraduate, Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, Turkey 1990 - 1995

### Dissertations

Doctorate, Origanum L. ve Thymus L. Cinslerine Ait Bazı Taksonların Moleküler Karakterizasyonu, Akdeniz University, Fen Bilimleri, Tarla Bitkileri, 2010

Postgraduate, Mısırdan (Zea mays L.) Ekim Zamanının Tohum Tutma ve Diğer Bazı Özellikler Üzerine Etkileri, Akdeniz University, Fen Bilimleri, Tarla Bitkileri, 2002

### Research Areas

Agricultural Sciences, Agriculture, Infield Plants, Alkaloidal Crops (tobacco,tea,coffee,cacao,poppies,cola nuts,chicory,marijuana,etc.), Medicinal Plants, Aromatics

### Academic Titles / Tasks

Lecturer PhD, Akdeniz University, Korkuteli Vocational School, Department of Plant and Animal Production, 2017 - Continues

### Courses

#### Undergraduate

Endüstriyel Tarım Ürünleri, Undergraduate, 2021 - 2022, 2020 - 2021

Undergraduate, 2021 - 2022, 2020 - 2021

Organik Tarım, Undergraduate, 2021 - 2022, 2020 - 2021

Kariyer Planlama, Undergraduate, 2021 - 2022

Tarla Bitkileri Üretim Uygulamaları, Undergraduate, 2020 - 2021

Undergraduate, 2020 - 2021

Laboratuvar Uygulamaları, Undergraduate, 2020 - 2021

Bitirme Çalışması I, Undergraduate, 2020 - 2021

#### Associate Degree

İNGİLİZCE, Associate Degree, 2018 - 2019

İNGİLİZCE, Associate Degree, 2018 - 2019  
İNGİLİZCE, Associate Degree, 2018 - 2019  
İNGİLİZCE, Associate Degree, 2018 - 2019  
İLK YARDIM, Associate Degree, 2018 - 2019  
İNGİLİZCE, Associate Degree, 2018 - 2019  
MANTAR TESİSLERİNİN PROJELENDİRİLMESİ, Associate Degree, 2018 - 2019

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

- I. **beta-N-oxalyl-L-2,3-diaminopropionic acid, L-homoarginine, and asparagine contents in the seeds of different genotypes Lathyrus sativus L. as determined by UHPLC-MS/MS**  
ARSLAN M., OTEN M., ERKAYMAZ T., TONGUR T., Kilic M., Elmasulu S., CINAR A.  
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.20, 2017 (SCI-Expanded)
- II. **Microsatellites for genetic and taxonomic research on thyme (Thymus L.)**  
KARACA M., INCE A. G., Aydin A., ELMASULU S., TURGUT K.  
TURKISH JOURNAL OF BIOLOGY, vol.39, no.1, pp.147-159, 2015 (SCI-Expanded)
- III. **New microsatellite and CAPS-microsatellite markers for clarifying taxonomic and phylogenetic relationships within Origanum L.**  
İnce A. G., KARACA M., ELMASULU S.  
MOLECULAR BREEDING, vol.34, no.2, pp.643-654, 2014 (SCI-Expanded)
- IV. **Taxonomic data supporting differences between Allium elmaliense and Allium cyrilli**  
DENİZ İ. G., GENÇ İ., İnce A. G., AYKURT C., Elmasulu S., SÜMBÜL H., SÖNMEZ S., Çıtak S.  
BIOLOGIA, vol.68, no.3, pp.373-383, 2013 (SCI-Expanded)
- V. **Classification of 63 Origanum taxa based on microsatellite markers and essential oil composition**  
ELMASULU S., KURKCUOĞLU M., INCE A. G., KARACA M., ÇINAR A., BASER K., ONUS A. N., TURGUT K.  
PLANTA MEDICA, vol.77, no.12, pp.1296, 2011 (SCI-Expanded)
- VI. **Major volatile compounds of 50 Thymus taxa naturally grown in Antalya region of Turkey**  
KARACA M., ELMASULU S., KURKCUOĞLU M., INCE A. G., ÇINAR A., ONUS A. N., BASER K., TURGUT K.  
PLANTA MEDICA, vol.77, no.12, pp.1295, 2011 (SCI-Expanded)
- VII. **Identification of genotypes with high essential oil contents in Origanum, Thymus and Sideritis**  
ELMASULU S., ÇINAR A., INCE A. G., KARACA M., ONUS A. N., TURGUT K.  
PLANTA MEDICA, vol.75, no.9, pp.932, 2009 (SCI-Expanded)
- VIII. **Coisolation of genomic and organelle DNAs from 15 genera and 31 species of plants**  
Karaca M., Ince A. G., Elmasulu S., Onus A. N., Turgut K.  
ANALYTICAL BIOCHEMISTRY, vol.343, no.2, pp.353-355, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Antalya'daki bazı Lagoecia cumminoides L. popülasyonlarının uçucu yağ içerikleri**  
Elmasulu S., Çınar A., Çınar O.  
BIOLOGICAL DIVERSITY AND CONSERVATION, vol.16, no.2, pp.114-119, 2023 (Peer-Reviewed Journal)
- II. **FARKLI MİKRODALGA GÜÇ SEVİYELERİNDE VE FARKLI FIRIN SICAKLIKLARINDA KURUTULAN HİBİSKUS ÇANAK YAPRAKLARININ KURUMA KARAKTERİSTİKLERİNİN VE BAZI FİZİKOKİMYASAL ÖZELLİKLERİNİN BELİRLENMESİ**  
DİNÇER C., ÇINAR A., ELMASULU S.  
Gıda, vol.46, no.3, pp.647-659, 2021 (Peer-Reviewed Journal)
- III. **DNA Minisatellit Markırlarından Yararlanılarak Fiğde (Vicia sativa L.) Tane Veriminin Önceden Belirlenmesi Olanakları.**  
ÇAKMAKÇI S., AYDINOĞLU B., KARACA M., İNCE A. G., ELMASULU S.

## Books

- I. **CHEMICAL COMPOSITIONS OF VOLATILE AND NONVOLATILE SECONDARY METABOLITES IN THYME (THYMUS L.)**  
KARACA M., İNCE A. G., ELMASULU S.  
in: DIFFERENT PERSPECTIVES IN MEDICINAL AND AROMATIC PLANTS, Özyazıcı Gülen, Uçar Esra, Editor, İKSAD Publishing House, Ankara, pp.3-52, 2022

## Papers Published in Refereed Scientific Meetings

- I. **Genetic Diversity of Some Thymus L. Taxa Naturally Occurring in Flora of Antalya Based on Td-DAMD-PCR Markers**  
Elmasulu S., Karaca M.  
10th International Ecology Symposium , Bursa, Turkey, 26 - 28 November 2020, pp.151-162
- II. **A Pre-Study on Roselle Agriculture (H. sabdariffa L. var. sabdariffa) in Antalya Plain Conditions**  
Elmasulu S., Çınar A.  
5 th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Turkey, 1 - 04 October 2020, pp.13-19
- III. **A Study on Determination of Hopeful Genotypes in The Stevia Plant Synthetic Breeding Process**  
Elmasulu S., Çınar A., Bayır Yeğın A., Çınar O.  
5 th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Turkey, 1 - 04 October 2020, pp.223-232
- IV. **A STUDY ON THE CULTIVATION AND ADAPTATION OF Stevia rebaudiana BERTONI PLANT TO ANTALYA CONDITIONS**  
Elmasulu S., Çınar A., Bayır Yeğın A., Çınar O.  
The 6th International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-6), İzmir, Turkey, 15 - 17 October 2020, pp.107-119
- V. **The Effect of Salt and Drought Stress on Germination and Early Seedling Growth of Lavandula stoechas Linn. Seeds.**  
Elmasulu S., Çınar A., Kocabaş Oğuz I., Arslan M.  
The 6th International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-6), İzmir, Turkey, 15 - 17 October 2020, pp.167-173
- VI. **THE IMPORTANCE OF PLANT GENETIC RESOURCES IN GLOBAL CLIMATE CHANGE CONDITIONS**  
ARSLAN M., ELMASULU S., ÇINAR A.  
The Turkey 6. Seed Congress with Internatıal Participation, Niğde, Turkey, 10 - 13 September 2018, pp.347
- VII. **The Importance of Grass Pea (Lathyrus Sativus L.) Rich in Nutrients as an Animal Feed**  
ARSLAN M., ELMASULU S.  
I.International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.246
- VIII. **Lagoecia cuminoides L. Bitkisinin Antioksidan ve Antidiabetik Aktivite Açısından Değerlendirilmesi**  
AFŞİN BERDANOĞLU C., YUR S., ÖZEK T., ÇINAR A., ELMASULU S., DENİZ İ. G., ÖZEK G.  
XXIII. Bitkisel İlaç Hammaddeleri Toplantısı, Antalya, Turkey, 9 - 12 April 2018, pp.60
- IX. **Genetic diversity determination using DNA markers in some Sideritis L. species distributed in natural flora of Antalya**  
ÇINAR A., ELMASULU S., DENİZ İ. G., TURGUT K., KARACA M.  
Advances in Lamiaceae Science Symposium, Antalya, Turkey, 26 - 29 April 2017, vol.4, no.2, pp.67
- X. **Genetic diversity determination using DNA markers in some Sideritis L. species distributed in natural flora of Antalya**

ÇINAR A., ELMASULU S., DENİZ İ. G., TURGUT K., KARACA M.

Advances in Lamiaceae Science Symposium, Antalya, Turkey, 26 - 29 April 2017, vol.4, no.2, pp.67

- XI. **Total phenolics of *Origanum saccatum* L. and *Origanum solymicum* L. from natural flora of Antalya.**  
ÇINAR A., ELMASULU S., DENİZ İ. G., Yeğin A. B.  
Advances in Lamiaceae Science Symposium, Antalya, Turkey, 26 - 29 April 2017, vol.4, no.2, pp.68
- XII. **Determination of aromatic compounds of *Origanum saccatum* L. distribution in natural flora of Antalya**  
ÇINAR A., ELMASULU S., DENİZ İ. G.  
Advances in Lamiaceae Science Symposium, Antalya, Turkey, 26 - 29 April 2017, vol.4, no.2, pp.69
- XIII. **Two Chemotype of marjoram (*Origanum majorana*) in the Flora of Antalya**  
TURGUT K., ÇINAR A., ELMASULU S., ÖZYİĞİT Y., Uçar E.  
International symposium on essential oils (44thISEO), Budapeşte, Hungary, 8 - 12 September 2013, pp.127
- XIV. **Two Chemotype of marjoram (*Origanum majorana*) in the Flora of Antalya**  
TURGUT K., ÇINAR A., ELMASULU S., ÖZYİĞİT Y., Uçar E.  
International symposium on essential oils (44thISEO), Budapeşte, Hungary, 8 - 12 September 2013, pp.127
- XV. **Total Phenolics of *Origanum* Species from Natural Flora of Antalya**  
ELMASULU S., ÇINAR A., DENİZ İ. G., BAYIR A.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, no.12, pp.1273
- XVI. **Total Phenolics of *Thymus* species from Natural Flora of Antalya**  
ELMASULU S., ÇINAR A., BAYIR A., DENİZ İ. G.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, no.12, pp.1273-1274
- XVII. **Classification of 63 *Origanum* taxa based on microsatellite markers and essential oil composition**  
ELMASULU S., Kurkcuoğlu M., İNCE A. G., KARACA M., ÇINAR A., ONUS A. N., Baser K. H. C., TURGUT K.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, pp.1296
- XVIII. **Major volatile compounds of 50 *Thymus* taxa naturally grown in Antalya region of Turkey**  
KARACA M., ELMASULU S., Kurkcuoğlu M., İNCE A. G., ÇINAR A., ONUS A. N., Baser K. H. C., TURGUT K.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, pp.1295-1296
- XIX. **Identification of genotypes with high essential oil contents in *Origanum*, *Thymus* and *Sideritis***  
ELMASULU S., ÇINAR A., İNCE A. G., KARACA M., ONUS A. N., TURGUT K.  
55th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-Research-and-Natural-Product-Research, Geneva, Switzerland, 16 - 20 August 2009, vol.75, pp.932
- XX. **Comparison of DNA Marker Techniques for Lamiaceae**  
İNCE A. G., ELMASULU S., ÇINAR A., KARACA M., ONUS A. N., TURGUT K.  
1st International Medicinal and Aromatic Plants Conference on Culinary Herbs, Antalya, Turkey, 30 April 2009, vol.826, pp.431-438
- XXI. **A Suitable DNA Marker Technique (Minisatellites) for *Sideritis* (Lamiaceae) Genotyping Studies**  
ÇINAR A., ELMASULU S., İNCE A. G., KARACA M., ONUS A. N., TURGUT K.  
1st International Medicinal and Aromatic Plants Conference on Culinary Herbs, Antalya, Turkey, 30 April 2009, vol.826, pp.439-446
- XXII. **In silico data mining for development of *Capsicum* microsatellites**  
İNCE A. G., ONUS A. N., ELMASULU S., BİLGEN M., KARACA M.  
3rd Balkan Symposium on Vegetables and Potatoes, Bursa, Turkey, 6 - 10 September 2006, pp.123-126
- XXIII. **Development of species specific DNA markers in *Salvia* spp**  
ÇINAR A., İNCE A. G., ELMASULU S., AY S., KARACA M.  
International ISHS Symposium The Labiatae: Advances in Production Biotechnology and Utilisation, Sanremo, Italy, 22 - 25 February 2006, pp.46
- XXIV. **EST data mining for *Salvia miltiorrhiza*, *Mentha x piperita* and *Mentha arvensis***

ELMASULU S., İNCE A. G., KARACA M.

International ISHS Symposium The Labiatae: Advances in Production Biotechnology and Utilisation, Sanremo, Italy,  
22 - 25 February 2006, pp.8

## **Memberships / Tasks in Scientific Organizations**

Antalya Orkidelerini ve Biyolojik Çeşitliliği Koruma Derneği, Board Member, 2010 - Continues

## **Tasks In Event Organizations**

Kocabaş Oğuz I., ELMASULU S., Korkuteli Tıbbi ve Aromatik Bitkiler Çalıştayı, Workshop Organization, Antalya, Turkey,  
Ocak 2020

## **Metrics**

Publication: 39

Citation (WoS): 96

Citation (Scopus): 119

H-Index (WoS): 4

H-Index (Scopus): 6

## **Congress and Symposium Activities**

Tıbbi ve Aromatik Bitkilerin İlaç Endüstrisinde Kullanımı ve İlaç Geliştirme Yöntemleri Üzerine Bilgilendirme Toplantısı,  
Attendee, İzmir, Turkey, 2017

Tıbbi ve Aromatik Bitkiler ile Yapılan Çalışmalarda Kullanılan Laboratuvar Malzemeleri Üzerine Bilgilendirme Toplantısı,  
Attendee, Eskişehir, Turkey, 2017