

CV AND LIST OF WORKS

RESUME

Name-Surname: Selin AKTAR KİREMİTÇİ

Date of Birth: June 26, 1988

Contact Information

E-mail: selin.aktar@istinye.edu.tr

Educational Status:

Degree	Department/Program	University	Year
Bachelor Degree	Faculty of Science, Department of Biology	Ege University	2010
Master's Degree	Faculty of Pharmacy (Pharmaceutical Botany)	Ege University	2012
Doctorate Degree	Faculty of Pharmacy (Pharmaceutical Botany)	Ege University	2019

Master's Thesis Title and Thesis Advisor:

Studies on the Morphology and Stability of Total Phenolic Compounds of *Ulva lactuca* Plant, Ege University Health Sciences Institute, **Advisor:** Assoc. Prof. Dr. Güzde ELGİN CEBE.

PhD Thesis Title and Advisor:

Studies on Pharmaceutical Botany and Bioactive Secondary Metabolites on *Hypocistis* L. Taxa Distributed in Western Anatolia, Ege University Health Sciences Institute, **Advisor:** Assoc. Prof. Dr. Güzde ELGİN CEBE.

Duties Performed in Projects:

Investigation of the Effect of Storage Conditions on Total Phenolic Composition of *Ulva lactuca* Plant, **Scientific Research Project**, Ege University, 12-ECZ-005, Researcher, 2012-2013.

Design of Prototype Product Using Conjugation of Thymoquinone with Magnetic Nanoparticles for Use in Diagnosis and Treatment of Lung Cancer, 113S922, **TUBITAK 1001 Project**, Scholar, 2014-2016.

Pharmaceutical Botanical and Bioactive Secondary Metabolites Studies on *Hypecoum* L. Taxa Distributed in Western Anatolia, **Scientific Research Project**, Ege University, 16-ECZ-005, Researcher, 2016-2019.

Comparison of Active Ingredient Component Amounts of Certain Hawthorn (*Crataegus-Rosaceae*) Species Growing in Turkey, Development and Analysis of Plant Products, **Republic of Turkey, Ministry of Agriculture and Forestry Project**, Aegean Forestry Research Institute Directorate, 15. 7701 /2018-2020, Researcher.

Determination of Traditional Knowledge Based on Biodiversity in Batman Province, **Republic of Turkey, Ministry of Agriculture and Forestry Project**, General Directorate of Nature Conservation and National Parks, 15th Regional Directorate, Batman Province Branch Directorate, 2021-2022, Ethnobotany Specialist.

Obtainment of kaempferol from tea [*Camellia sinensis* (L.) O. Kuntze] leaves and determination of kaempferol contents of some tea varieties and genotypes grown in Rize, **Scientific Research Project**, Recep Tayyip Erdoğan University, ÇİP2024-1616, Researcher, 2024-2025.

WORKS

A. Articles published in internationally refereed journals:

A1. Elgin Cebe G., Aktar S. ve S. Konyalıoğlu, “Antioxidant activity of *Crataegus monogyna* L flowers. Free Radical Biology and Medicine 108, 2017.

A2. Elgin Cebe G., Aktar S. Erdoğan, A., Konyalıoğlu, S., Yengin, Ç., Kılınç, E. “Flavonoid Contents, Antioxidant and Neuroprotective Activities of *Crataegus monogyna* L. Leaves and Flowers. Fresenius Environmental Bulletin, 30(9):10505-10514, 2021.

A3. Turan G., Aktar Kiremitci S., Öztürk İ et al. “Anti-Microbial Activities of Sea Lettuce, *Ulva rigida*, Extracts Against Pathogenic Microorganisms”. Egyptian Journal of Aquatic Biology & Fisheries, 29(3): 3329 – 3339 (2025).

B. Articles published in national refereed journals:

B1. Aktar S., Elgin Cebe G., “Alglerin Genel Özellikleri, Kullanım Alanları ve Eczacılıktaki Önemi (General Specifications, Using Areas of Algae and Their Importance on Pharmacy)”, *Ankara Üniversitesi Eczacılık Fakültesi Dergisi*, 39(3) 2010, (2014).

B2. Aktar S., Elgin Cebe G., “Bitkisel Drogların Aktar-Eczâhâne-Eczane Serüveni (Adventure of Herbal Drugs Through Herbal Shop-Drugstore-Pharmacy)”, *Lokman Hekim Journal*, XI. National Conference on the History of Turkish Pharmacy, <http://lokmanhekim.mersin.edu.tr>, 45-46, 2014.

B3. İnce İ., Biber Müftüler FZ., Medine El., Kozguş Güldü Ö., Tekin V., Aktar S., Göker E. and Perihan Ünak “Synthesis of Radioiodinated Thymoquinone Glucuronide Conjugated Magnetic Nanoparticle (^{125}I -TQG- Fe_3O_4) and Its *In Vitro* Affinity”, *Acta Pharmaceutica Scientia*, 56(2):7, 2018.

C. Oral and poster presentations presented at national scientific meetings and published as abstracts:

C1. Aktar S. and G. Elgin Cebe G., “Pharmaceutical Botany Research on *Ulva lactuca* L. Plant”, 20th Herbal Drug Raw Materials Meeting, Antalya, 2012.

C2. Aktar S., Yengin Ç., Gürer F. and G. Elgin Cebe “Development studies of LC-MS/MS method for determination of phenolic compounds of *Ulva lactuca* L.”, National Chromatography Congress, İzmir, 2014.

C3. Aktar S., Yengin Ç., Karadağlı F. and G. Elgin Cebe “Development studies of UPLC-DAD method for determination of phenolic compounds of *Ulva lactuca* L.”, National Chromatography Congress, İzmir, 2014.

C4. Aktar S. and G. Elgin Cebe, “Herbal Drugs’ Aktar-Pharmacy-Pharmacy Adventure”, Turkish Pharmacy History Meeting, Kayseri, 2014.

C5. Aktar S., Elgin Cebe G. and S. Konyalıoğlu, “DPPH• Radical Scavenging Effect of *Ulva lactuca* L.”, 21st Herbal Drug Raw Materials Meeting, Kayseri, 2014.

C6. Aktar S. and G. Elgin Cebe, “History of Chromatography”, 12th Turkish Pharmacy History Meeting, Eskişehir, 2016.

C7. Aktar S. and G. Elgin Cebe, “Chemical and Cytotoxic Activity Studies on Some *Hypecoum* L. Taxa Distributed in Western Anatolia”, 22nd Herbal Drug Raw Materials Meeting, Trabzon, 2016.

C8. Aktar Kiremitci, S. “Medicinal Plants with Scientific Data in Gastrointestinal System Cancers”, Holistic GIS Symposium, İzmir, 2022.

C9. Aktar Kiremitci, S. “Clinical Phytotherapy in Heart and Circulatory System Diseases”, 1st Natural Therapies and Support Products Congress, İzmir, 2022.

C10. Aktar Kiremitci, S. “Clinical Phytotherapy in Inflammatory Bowel Diseases”, 1st Clinical Phytotherapy Symposium, 2023.

C11. Aktar Kiremitci, S. “Clinical Phytotherapy in Gallbladder and Pancreas Diseases”, 1st Clinical Phytotherapy Symposium, 2023.

C12. Aktar Kiremitci, S. “Prominent Phytotherapeutics in Cancer”, 2nd Natural Therapies and Support Products Congress, Istanbul, 2023.

C13. Aktar Kiremitci, S. “Molecular Phytotherapy and Phytosterols”, 3rd Natural Therapies and Support Products Congress, Istanbul, 2024.

C14. Aktar Kiremitci, S. “New Drug Targets with Traditional Medicinal Plants”, 1st Seminar on Scientific Approach to Molecular Supports, Ankara, 2024.

C15. Aktar Kiremitci, S. “Secondary Metabolites and Plant-Plant Interactions”, Functional and Clinical Phytotherapy, Istanbul, 2024.

C16. Aktar Kiremitci, S. “Phytotherapy in Pancreatic Diseases”, Functional and Clinical Phytotherapy, Istanbul, 2024.

C17. Aktar Kiremitci, S. “New Drug Targets with Traditional Medicinal Plants”, 4th Natural Therapies Congress, Istanbul, 2025.

C18. Aktar Kiremitci, S. “Helvahane Notebook and Pharmacy in Topkapı Palace”, 4th Natural Therapies Congress, İstanbul, 2025.

D. Oral and poster presentations presented at international scientific meetings and published as abstracts:

D1. Konyalıoğlu S., Elgin Cebe G. ve S. Aktar, “Antioxidant Activity of *Crataegus monogyna* L. Flowers”, OCC 2017 World Congress and the SFRR-E Conference 2017, Berlin, 2017.

D2. Aktar S. ve G. Elgin Cebe, “Isolation and Purification Studies on *Hypocoum procumbens* L. subsp. *atropunctatum* A.E.Dahl (HH) and *Hypocoum pseudograndiflorum* Petrovic Taxa Distributed in Western Anatolia”, 2nd Gazi Pharma Symposium Series (GPSS), Ankara, 2017.

D3. Büyük, A. Ş., Aktar Kiremitci, S, Şardaş, S. “The Benefits and Risks of the Nanomaterials Used in the Cosmetic Products, 5th International Cosmetic Congress, Antalya, 2021.

D4. İsar, M., Aktar Kiremitci, S., Öztürk, İ., Kuru, E., Elgin Cebe, G., Akdoğan Şirin, P., Şirin, C., Karacalar, U., Cirik, S., Turan, G. "Production of Microalgae Species in the Laboratory Conditions and Determination of Anti-Microbial Effects of Microalgal Extracts on Pathogenic Microorganisms and Bioactive Molecules”, 4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, 2022.

E. Chapters written in national books:

E1. Elgin G., Aktar S. “*Cinnamomum zeylanicum*”, Tedavide Kullanılan Bitkiler “FFD Monografıları” (Ed. Demirezer Ö.), *Medikal & Nobel*, Ankara, 2017.

E2. Aktar Kiremitci, S., Özgüç, S. “Bitkilerin Öz Gücü ile Antibiyotiksiz Yaşam”. Arda Tıp Kitapevi, Çankaya, Ankara. ISBN: 978-605-70089-2-3

E3. Aktar Kiremitci, S., Özgüç, S. “Bitkilerin Öz Gücü ile Diyabetsiz Yaşam”. Arda Tıp Kitapevi, Çankaya, Ankara. ISBN: 978-605-70089-4-7

E4. Aktar Kiremitci, S., Özgüç, S. “Bitkilerin Öz Gücü ile Ağrısız Yaşam”. Arda Tıp Kitapevi, Çankaya, Ankara. ISBN: 978-605-70089-6-1

E5. Aktar Kiremitci, S., Özgüç, S. “Bitkilerin Öz Gücü ile Kansersiz Yaşam”. Arda Tıp Kitapevi, Çankaya, Ankara. ISBN: 978-605-70089-78

E6. Aktar Kiremitci, S., Özgüç, S. "Bitkilerin Öz Gücü ile Kalp Damar Sağlığı". Arda Tıp Kitapevi, Çankaya, Ankara. ISBN: 978-625-98353-10

E7. Aktar Kiremitci, S., Özgüç, S. "Bitkilerin Gizemli Dünyası". Arda Tıp Kitapevi, Çankaya, Ankara. ISBN: 978-625-98353-41

E5. Aktar Kiremitci, S., Özgüç, S. "Cancer-free Life with the Essence Power of Plants". Arda Medical Bookstore, Çankaya, Ankara. ISBN: 978-605-70089-78

E6. Aktar Kiremitci, S., Özgüç, S. "Cardiovascular Health with the Essence Power of Plants". Arda Medical Bookstore, Çankaya, Ankara. ISBN: 978-625-98353-10

E7. Aktar Kiremitci, S., Özgüç, S. "The Mysterious World of Plants. Arda Medical Bookstore, Çankaya, Ankara. ISBN: 978-625-98353-41

F. Chapters written in international books:

F1. Gülec, M. Aktar Kiremitci S, Olgun A. Cedrus libani A. Rich. F. T. Gurağaç Dereli et al. (eds.), Novel Drug Targets With Traditional Herbal Medicines, https://doi.org/10.1007/978-3-031-07753-1_8

REFEREEING

African Journal of Microbiology Research

African Journal of Pharmacy and Pharmacology

MEMBERSHIPS

COST Action Member

CA22109 - Medicinal plants for animal health care: Translating tradition into modern veterinary medicine (MedPlants4Vet)

WG3- European tradition of the use of medicinal plants to control animal diseases

WG4- Safety, quality assurance, risk assessment and sustainability of HVMP

WG6- Dissemination and interaction

TECHNICAL INFORMATION

Extraction, Rotavapor, Lyophilizer, TLC, Column Chromatography, HPLC, UPLC, Prep-HPLC, LC-MS, LC-MS-MS, GC, Natural products

WORK EXPERIENCES

Ege University, Faculty of Medicine, Internal Medicine Department, Hematology Laboratory (Intern), 2007-2008, 2008-2009.

Izmir Forensic Medicine Institution (Intern), 2008-2009.

Ege University, Drug Development & Pharmacokinetic Research-Application Center (ARGEFAR) Product Development Department (Researcher), 2012-2017.

İstinye University, Faculty of Pharmacy, Vice Dean, Head of Pharmaceutical Botany Department, Assistant Professor, 2020-present.

Product development projects undertaken

Valerian Capsule- Product development and quality control (ARGEFAR)

Silybum Capsule- Product development and quality control (ARGEFAR)

Carbopol Gel Formulation- Product development and quality control (ARGEFAR)

TQGMNP- Patented Inhaler- Project Team Member (E.Ü. Nuclear Sciences Institute)

ColdMix- Product development and quality control (EnaFarma)

CERTIFICATES

Merkezeferendi Traditional Medicine Association Aromatherapy Seminar

Nuclear Science Applications

Orbitrap- LC/MS-MS Applications

COMPUTER KNOWLEDGE

Microsoft Office

FOREIGN LANGUAGE

English (10-10-10)

REFERENCES

Prof. Dr. Atilla AKDEMİR / Dean of Istinye University Faculty of Pharmacy.

Dr. Serdar ÖZGÜÇ / Traditional and Complementary Medicine Physician, GAPS Consultant.

Prof. Dr. Fehmi AKÇİÇEK / Head of Internal Medicine Department of Ege University Faculty of Medicine, Head of Nephrology Department and Head of Geriatrics Department

Prof. Dr. Gözde ELGİN CEBE / Faculty Member of Pharmaceutical Botany Department of Ege University Faculty of Pharmacy

Assoc. Prof. Dr. Yücel BAŞPINAR / Faculty Member of Pharmaceutical Biotechnology Department of Ege University Faculty of Pharmacy

Assoc. Prof. Dr. İskender İNCE / Director of Ege University Drug Development & Pharmacokinetics Research-Application Center (ARGEFAR)

Ali Gürel / Forest Engineer of Marmara Forestry Research Institute