

## Asst. Prof. NAGEHAN SALTAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ITU-6922-2023

ScopusID: 51764332000

Yoksis Researcher ID: 54773

### Education Information

Doctorate, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, Turkey 2017 - 2021

Postgraduate, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, Turkey 2013 - 2015

Postgraduate, Anadolu University, FEN FAKÜLTESİ, BİYOLOJİ BÖLÜMÜ, Turkey 2006 - 2009

### Certificates, Courses and Trainings

Health&Medicine, Chemometric Course Programme, Ankara Üniversitesi, 2019

Health&Medicine, LightCycler 480 Cihazı Eğitimi, Elips Sağlık Ürünleri, 2018

Health&Medicine, TEMPO Cihazı Kullanıcı Eğitimi, BIOMERIEUX, 2017

Health&Medicine, Bitki Biyoteknolojisinde DNA Markır Uygulamaları ve Gen İfadesi Analiz Yöntemleri, Ankara Üniversitesi Biyoteknoloji Enstitüsü, 2014

Health&Medicine, Temel Bitki Resim (Teknik Çizim) Kursu, Anadolu Üniversitesi, 2010

Health&Medicine, Herbaryum Teknikleri, Nezahat Gökyiğit Botanik Bahçesi, 2009

### Dissertations

Doctorate, TÜRKİYE'DE YETİŞEN LEONURUS L. TÜRLERİ ÜZERİNE FARMASÖTİK BOTANİK YÖNDEN ARAŞTIRMALAR, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2021

Postgraduate, Crenosciadium siifolium ve glaucosciadium cordifolium (apiaceae)'xxun farmasötik botanik yönünden araştırmaları, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2015

Postgraduate, Kanserli hücrelerde folik asit içeren magnetik nanopartikül etkileşimi, Anadolu University, FEN FAKÜLTESİ, BİYOLOJİ BÖLÜMÜ, 2009

### Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Pharmaceutical Botany

## Academic Titles / Tasks

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2023 - Continues

Lecturer PhD, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2021 - Continues

Lecturer, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2008 - Continues

## Courses

### Doctorate

FBT604 - Farmasötik Botanikte İstatistiksel Uygulamalar, Doctorate, 2024 - 2025, 2023 - 2024

### Postgraduate

Ethnobiology, Postgraduate, 2024 - 2025, 2023 - 2024

Bitki Taksonomisinde Moleküler Yöntemler, Postgraduate, 2024 - 2025

TEZ700(NS), Postgraduate, 2024 - 2025, 2023 - 2024

UZM700 - Uzmanlık Alan Dersi, Postgraduate, 2024 - 2025, 2023 - 2024

FBT528 Monokotiledonlar, Postgraduate, 2023 - 2024

FBT506(NS) Seminer, Postgraduate, 2023 - 2024

Türkiye Florası II , Postgraduate, 2022 - 2023

### Undergraduate

Farmasötik Botanik Uygulamaları, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2020 - 2021

Mezuniyet Projesi II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Farmasötik Botanik, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Kanıtı Dayalı Eczacılık ve Araştırma II, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Farmasötik Botanik, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mezuniyet Projesi I, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Tıbbi Biyoloji, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Farmasötik Botanik Uygulama, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

## Supervised Theses

Saltan N., AKTARLARDA SATILAN BAZI TIBBİ BİTKİLERİN FARMASÖTİK BOTANİK AÇIDAN İNCELENMESİ, Postgraduate, H.İŞLEYEN(Student), 2025

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

### I. Assessment of the Enzyme Inhibitory Activities of *Salvia dorystaechas* and Its Phytochemical Analysis by RP-HPLC

Özüpek B., Pekacar S., Saltan N., Yıldız G., Gülcan Z., Deliorman Orhan D., Köse Y. B.

PHARMACEUTICAL CHEMISTRY JOURNAL, vol.58, no.11, pp.1734-1741, 2025 (SCI-Expanded)

### II. Antioxidant and antimicrobial activity of the endemic *Mentha longifolia* subsp. *cyprica* growing in Cyprus

Agıel N., KÖSE Y. B., GÜLCAN Z., SALTAN N., KÜRKÇÜOĞLU M., İŞCAN G.

Phytochemistry Letters, vol.60, pp.243-248, 2024 (SCI-Expanded)

### III. ESSENTIAL OIL COMPOSITION AND ANTICANDIDAL ACTIVITY OF *TEUCRIUM POLIUM* L.

SALTAN N., KÖSE Y. B., İŞCAN G., DEMİRCİ B.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.2A, pp.1174-1178, 2019 (SCI-Expanded)

### IV. Heavy Metal Contents of *Melissa* Which is Sold in Herbalists

KÖSE Y. B., UZUN M., SALTAN N.

INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.51, no.3, 2017 (SCI-Expanded)

- V. **Interaction of cancer cells with magnetic nanoparticles modified by methacrylamido-folic acid**  
SALTAN N., KUTLU H. M., HÜR D., İscan A., Say R.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.6, pp.477-484, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Antioxidant and antimicrobial activities of *Hypericum origanifolium* Willd. var. *origanifolium***  
Gülcan Z., Tunç F., Saltan N., Soyer P., Köse Y. B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.29, no.2, pp.599-604, 2025 (ESCI)
- II. **Antioxidant and anticandidal effects of *Pedicularis comosa* L. var. *acmodonta* Boiss.**  
Saltan N., Gülcan Z., İşcan G., Köse Y. B.  
Biological Diversity and Conservation, vol.16, no.3, pp.224-228, 2023 (Peer-Reviewed Journal)
- III. **Chemical Profiling and Antimicrobial Activity of Essential Oils from *Hypericum adenotrichum* Spach. An Endemic Species**  
Saltan N., Köse Y. B., Damla K., Göger F., Demirci B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.27, no.4, pp.1645-1657, 2023 (ESCI)
- IV. **A Plant Metabolomic Approach to Identify the Difference of the Seeds and Flowers Extracts of *Carthamus tinctorius* L.**  
Kaplan O., Saltan N., Köse A., Köse Y. B., Çelebier M.  
MASS SPECTROMETRY LETTERS, vol.14, no.2, pp.42-47, 2023 (ESCI)
- V. **Antimicrobial and antioxidant activities of *Sideritis lanata* L. extracts**  
GÜLCAN Z., SALTAN N., İŞCAN G., KÜRKÇÜOĞLU M., KÖSE Y. B.  
European Journal of Life Sciences, vol.1, no.2, pp.1-17, 2022 (Peer-Reviewed Journal)
- VI. **Essential oil composition and antimicrobial activity of *Glaucosciadium cordifolium* (Boiss.) Burt. & Davis**  
Saltan N., Kaya A., İşcan G., Demirci B.  
European Journal of Life Sciences, vol.1, pp.112-117, 2022 (Peer-Reviewed Journal)
- VII. **Phenolic profile, antioxidant and anticandidal activities of *Inula oculus-christi* L. from Turkey**  
SALTAN N., KÖSE Y. B., GÖGER F., İŞCAN G.  
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.4, pp.799-808, 2022 (ESCI)
- VIII. **Morpho-anatomical and palynological studies on *Glaucosciadium cordifolium* (Apiaceae) from Turkey**  
SALTAN N., KAYA A., DİNÇ M., DOĞU S.  
ISTANBUL JOURNAL OF PHARMACY, vol.51, no.3, pp.403-410, 2021 (ESCI)
- IX. **Chemical compositions of *Sideritis albiflora* Hub. - Mor.**  
Kirci D., SALTAN N., GÖGER F., KÖSE Y. B., DEMİRCİ B.  
ISTANBUL JOURNAL OF PHARMACY, vol.51, no.3, pp.378-385, 2021 (ESCI)
- X. **Spme/gc-ms analysis of volatile organic compounds from *origanum acutidens* (Hand.-mazz.) ietsw.- an endemic species in Turkey**  
KÖSE Y. B., SALTAN N., KÜRKÇÜOĞLU M.  
Natural Volatiles and Essential Oils, vol.8, no.2, pp.18-26, 2021 (Scopus)
- XI. **MORPHO-ANATOMICAL AND PALYNOLOGICAL STUDIES ON ENDEMIC *CRENOSCIADIUM SIIFOLIUM* BOISS. HELDR. FROM TURKEY**  
Saltan N., Kaya A.  
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi C- yaşam Bilimleri ve Biyoteknoloji (Online), vol.9, no.1, pp.35-45, 2020 (Peer-Reviewed Journal)
- XII. **Chemical compositions and antimicrobial activity of *Prunella vulgaris* L.**  
SALTAN N., KÖSE Y. B., KIRCI D., DEMİRCİ B.  
International Journal of Agriculture, Environment and Food Sciences, vol.2, pp.186-189, 2018 (Peer-Reviewed Journal)

- XIII. **Morphological Effects Folic Acid on H Ras Transformed Cell Line by Using a Transmission Electron Microscope**  
Seller Z., Kutlu H. M., Saltan N., İřcan A.  
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, vol.10, no.1, pp.215-222, 2009 (Peer-Reviewed Journal)

### **Papers Published in Refereed Scientific Meetings**

- I. **The anticancer activity and DNA synthesis inhibition potential of *Teucrium sandrasicum* and *Teucrium divaricatum* subsp. *graceum***  
SALTAN N., OSMANİYE D., KÖSE Y. B.  
International Congress on Natural Products Research (ICNPR 2024), Krakow, Poland, 13 - 18 July 2024
- II. **HS-SPME/GC/GC-MS ANALYSIS OF VOLATILE CONSTITUENTS OF *LEONURUS L.***  
SALTAN N., KÖSE Y. B., KÜRKCÜOĞLU M.  
14th International Symposium on Pharmaceutical Sciences (ISOPS-14), Ankara, Turkey, 25 - 28 June 2024
- III. **ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF *BALLOTA NIGRA L* SUBSP *ANATOLICA* DAVIS**  
SALTAN N., GÜLCAN Z., SOYER P.  
14th International Symposium on Pharmaceutical Sciences (ISOPS-14), Ankara, Turkey, 25 - 28 June 2024
- IV. **EVALUATION OF ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF *TEUCRIUM SANDRASICUM* AND *TEUCRIUM DIVARICATUM* SUBSP. *GRACEUM***  
SALTAN N., GÜLCAN Z., ÖZARDA M. G., KÖSE Y. B.  
14th International Symposium on Pharmaceutical Sciences (ISOPS-14), Ankara, Turkey, 25 - 28 June 2024
- V. **Biological Activity and Total Phenolic Contents of Endemic *Haplophyllum myrtifolium* Boiss. Extracts**  
SALTAN N., TUNÇ F., GÜLCAN Z., SOYER P., KÖSE Y. B.  
PSE Natural Drug Discovery 12-15 October 2023, Antalya, Türkiye Current Approach and Future Perspectives, Antalya, Turkey, 12 - 15 October 2023
- VI. **Antioxidant, Antimicrobial and Cytotoxic Activity of *Hypericum origanifolium* Willd**  
GÜLCAN Z., TUNÇ F., SALTAN N., SOYER P., KÖSE Y. B.  
PSE Natural Drug Discovery 12-15 October 2023, Antalya, Türkiye Current Approach and Future Perspectives, Antalya, Turkey, 12 - 15 October 2023
- VII. **Investigation of Antioxidant and Antimicrobial Activities of *Sideritis montana L.***  
TUNÇ F., SALTAN N., GÜLCAN Z., SOYER P., KÖSE Y. B.  
PSE Natural Drug Discovery 12-15 October 2023, Antalya, Türkiye Current Approach and Future Perspectives, Antalya, Turkey, 12 - 15 October 2023
- VIII. ***Pedicularis comosa L. var. acmodonta* Boiss. Ekstrelerinin Antikandidal ve Antioksidan Etkisi**  
GÜLCAN Z., SALTAN N., KÖSE Y. B., İřCAN G.  
24. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, Turkey, 23 June 2022
- IX. ***Sideritis lanata L.* Ekstrelerinin Antimikrobiyal ve Antioksidan Aktiviteleri**  
GÜLCAN Z., SALTAN N., KÖSE Y. B., İřCAN G.  
24. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, Turkey, 23 June 2022
- X. **Türkiye'de Yetiřen *Leonurus L.* Türleri Üzerine Farmasötik Botanik Yönden Arařtırmalar**  
SALTAN N., KÖSE Y. B.  
XXIV. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, Turkey, 23 June 2022
- XI. ***Hypericum hircinum L.* ekstresinin farelerdeki anksiyolitik-benzeri etkisine GABA-A/benzodiazepin reseptörleri aracılık eder**  
TOPKARA B. B., SALTAN N., KANDEMİR Ü., TURAN YÜCEL N., KÖSE Y. B., CAN Ö. D.  
5. Uluslararası Tıp ve Sağlık Bilimleri Arařtırmaları Kongresi (UTSAK), Ankara, Turkey, 13 December 2020
- XII. **Phytochemical Constituents of *Origanum sipyleum L.***  
KÖSE Y. B., SALTAN N., KIRCI D., GÖGER F., DEMİRCİ B.  
6th World Congress on Medicinal and Aromatic Plants, Cyprus (Kkctc), 13 - 17 November 2019

- XIII. **Volatile and Non-Volatile Compositions of *Sideritis albiflora* Hub.- Mor**  
KIRCI D., SALTAN N., GÖGER F., KÖSE Y. B., DEMİRCİ B.  
6th World Congress on Medicinal and Aromatic Plants, Cyprus (Kkctc), 13 - 17 November 2019
- XIV. **Essential oil composition of *Hypericum adenotrichum* Spach., an endemic Turkish species**  
SALTAN N., KIRCI D., KÖSE Y. B., DEMİRCİ B.  
50th International Symposium on Essential Oils, Austria, 9 - 12 September 2019
- XV. **Phenolic Profile, Antioxidant and Anticandidal Activities of *Inula oculus-christi* from Turkey**  
SALTAN N., KÖSE Y. B., İŞCAN G., GÖGER F.  
4th International Conference on New Trends in Chemometrics and Applications, 1 - 04 May 2019
- XVI. **Anxiolytic-like effect of methanolic extract prepared from *Hypericum hircinum* L. subsp. *majus* (aiton) n. Robson Herba**  
SALTAN N., ÜÇEL U. İ., KÖSE Y. B., CAN Ö. D.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XVII. **ESSENTIAL OIL COMPOSITION AND ANTICANDIDAL ACTIVITY OF *TEUCRIUM POLIUM***  
SALTAN N., KÖSE Y. B., İŞCAN G., DEMİRCİ B.  
The 4th International Mediterranean Symposium on Medicinal and Aromatic Plants (4 MESMAP), 18 - 22 April 2018
- XVIII. **CHEMICAL COMPOSITIONS AND ANTIMICROBIAL ACTIVITY OF *PRUNELLA VULGARIS***  
SALTAN N., KIRCI D., KÖSE Y. B., DEMİRCİ B.  
The 4th International Mediterranean Symposium on Medicinal and Aromatic Plants (4 MESMAP), 18 - 22 April 2018
- XIX. **Anatomical properties of *Crenosciadium siifolium* Boiss. Heldr. (Apiaceae) endemic to Turkey**  
SALTAN N., KAYA A.  
1st INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, 9 - 12 May 2017
- XX. **Anatomical Properties of *Crenosciadium siifolium* Boiss. & Heldr. (Apiaceae) Endemic to Turkey**  
SALTAN N., KAYA A.  
1ST INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, 9 - 12 May 2017
- XXI. **Ethnopharmacological Features of *Rosa canina* L. (Rosaceae)**  
SALTAN N., CAN Ö. D.  
1ST INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, 9 - 12 May 2017
- XXII. **LAVANDULA ANGUSTIFOLIA Miller (LAMIACEAE): ITS THERAPEUTIC POTENTIAL ON AFFECTIVE DISORDERS**  
CAN Ö. D., CAN N. Ö., SALTAN N., ÖZTÜRK Y.  
INTERNATIONAL SYMPOSIUM ON ADVANCES IN LAMIACEAE SCIENCE, 26 - 29 April 2017
- XXIII. **EFFECTS OF SALVIA SPECIES ON THE CENTRAL NERVOUS SYSTEM: POSSIBLE THERAPEUTIC IMPLICATIONS**  
SALTAN N., TURAN N., CAN Ö. D.  
INTERNATIONAL SYMPOSIUM ON ADVANCES IN LAMIACEAE SCIENCE, 26 - 29 April 2017
- XXIV. **HEAVY METAL CONTENTS OF MELISSA WHICH IS SOLD IN HERBALISTS**  
KÖSE Y. B., UZUN M., SALTAN N.  
The Third International Mediterranean Symposium on Medicinal and Aromatic Plants, 13 - 16 April 2017
- XXV. ***Glaucosciadium cordifolium* (Boiss.) Burt et Davis (Apiaceae) Üzerinde Morfolojik ve Palinolojik Araştırmalar**  
SALTAN N., KAYA A.  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı, BİHAT, Trabzon, Turkey, 31 August - 05 September 2016
- XXVI. **Pollen morphology of two monotypic species from Apiaceae growing in Turkey**  
SALTAN N., KAYA A.  
International Science and Technology Conference, 13 - 15 July 2016
- XXVII. **Morphological and Palynological Researches on *Crenosciadium siifolium* Boiss. & Heldr. (Apiaceae)**  
SALTAN N., KAYA A.  
DRD 2015–International Multidisciplinary Symposium on Drug Research and Development“, Eskişehir, Turkey, 15 -

17 October 2015

- XXVIII. **Composition of the essential oil of a monotypic plant *Glaucosciadium cordifolium* Boiss Burt et Davis from Turkey**  
SALTAN N., KAYA A., DEMİRCİ B.  
11th International Symposium on the Chemistry of Natural Compounds\_SCNC-2015., 1 - 04 October 2015, pp.177
- XXIX. **Morpho Anatomical Investigations on *Momordica charantia* L Cucurbitaceae**  
ERÖZ POYRAZ İ., SALTAN N., DERDOVSKİ G.  
ISOPS 11th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 9 - 12 June 2015, pp.406-407
- XXX. **Anatomical Investigations on three varieties of *Thalictrum minus* (Ranunculaceae)**  
KAYA A., KIRIMER N., SALTAN N.  
XIV OPTIMA Meeting, Palermo, Italy, 09 September 2013
- XXXI. **ESSE Herbaryumunda Yer Alan Kazdağı Bitkileri Yerel Adları ve Kullanımları**  
SALTAN N., KAYA A., TÜMEN G.  
Kazdağları III. Ulusal Sempozyumu, Balıkesir, Turkey, 24 - 26 May 2012

## Supported Projects

- Saltan N., Eröz Poyraz İ., Soyer P., Project Supported by Higher Education Institutions, *Alkanna orientalis* var. *leucanta*'nın Biyolojik Etki Açısından Değerlendirilmesi, 2025 - 2026
- Köse Y. B., Saltan N., Osmaniye D., Gülcan Z., Project Supported by Higher Education Institutions, *Teucrium sandrasicum* ve *Teucrium divaricatum* subsp. *graecum* Türlerinin Biyolojik Aktivite ve Sitotoksik Etkilerinin Araştırılması, 2022 - 2024
- Saltan N., Project Supported by Higher Education Institutions, Türkiye'de Yetişen *Leonurus* Türlerinin Uçucu Bileşenlerinin Belirlenmesi, 2022 - 2023
- KÖSE Y. B., SALTAN N., Project Supported by Higher Education Institutions, Türkiyede Yetişen *Leonurus* L. Türleri Üzerine Farmasötik Botanik Yönünden Araştırmalar, 2019 - 2021
- Saltan N., İşcan G., Köse Y. B., Göger F., Project Supported by Higher Education Institutions, *Inula oculus-christi* L. Türünün Fenolik Bileşikleri ve Bioaktivitesi, 2018 - 2019
- KÖSE Y. B., SALTAN N., Project Supported by Higher Education Institutions, Aktarlarda Satılan *Melissa officinalis* Türünün Genetik Varyasyonu, 2016 - 2017
- Saltan N., İşcan G., Köse Y. B., Kaya A., Project Supported by Higher Education Institutions, *Crenosciadium siifolium* ve *Glaucosciadium cordifolium* Apiaceae un Farmasötik Botanik Yönünden Araştırmalar, 2014 - 2016
- Saltan N., Kutlu H. M., TUBITAK Project, Kansersiz Hücrelerle Folik Asit Taşıyan Modifiye Magnetik Nanopartikül Etkileşimi ve Geçirimli Elektron Mikroskopunda TEM Görüntülenmesi, 2008 - 2009
- Saltan N., Project Supported by Higher Education Institutions, Hücre Kültüründe Cu Zn Süperoksit Dismutaz Enziminin Lokalizasyonunun İmmunohistokimyasal ve İmmunositokimyasal Olarak Belirlenmesi, 2007 - 2008