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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmakognozi, Turkey 1978 - 1984

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmakognozi, Turkey 1976 - 1978

Undergraduate, Ankara University, Eczacılık Fakültesi, Turkey 1972 - 1976

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Stachys lavandulifolia Wahl. var. lavandulifolia Üzerinde Farmakognozitik Araştırmalar, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1984

Postgraduate, PRUNUS MAHALEB L. ÜZERİNDE FARMAKOGNOZİK ARAŞTIRMALAR, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (YI) (Tezli), 1978

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

Academic Titles / Tasks

Associate Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1988 - 1996

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1987 - 1988

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1976 - 1986

Academic and Administrative Experience

Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2012 - 2016

Hacettepe Üniversitesi, Eczacılık Fakültesi, 2003 - 2010

Hacettepe Üniversitesi, Eczacılık Fakültesi, 1994 - 2003

Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, 1997 - 2000

Advising Theses

BAŞARAN A. A., SAĞLAM N., Doping kontrol analizlerinde eritropoetin tespitine yönelik spektroskopik metotların geliştirilmesi, Doctorate, Y.SOMAY(Student), 2016

BAŞARAN A. A., Prunus mahaleb L. tohumları ve yağı üzerinde farmakognozi araştırmalar, Postgraduate, O.ALSHEHRI(Student), 2014

BAŞARAN A. A., Punica granatum L. üzerinde farmakognozok araştırmalar, Postgraduate, Ş.AKSU(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative Plant Metabolomics of Momordica charantia Seeds and Fruits**
Eneş D., Fidan B. B., Başaran A. A., ÇELEBİER M.
Revista Brasileira de Farmacognosia, 2024 (SCI-Expanded)
- II. **Food plant with antioxidant, tyrosinase inhibitory and antimelanoma activity: Prunus mahaleb L**
Bayrakçeken Güven Z., Doğan Z., Saraçoğlu İ., Picot L., Nagatsu A., Basaran A. A.
Food Bioscience, vol.48, 2022 (SCI-Expanded)
- III. **Effect of the Mobile Phase Compositions on the Confirmation Analysis of Some Prohibited Substances in Sport by LC-ESI-MS/MS**
UÇAKTÜRK E., BAŞARAN A. A., DEMİREL A. H.
Chromatographia, vol.83, pp.1397-1411, 2020 (SCI-Expanded)
- IV. **Preventive role of Pycnogenol ® against the hyperglycemia-induced oxidative stress and DNA damage in diabetic rats**
Aydin Dilsiz S., Bacanlı M., Anlar H. G., Cal T., Ari N., Bucurgat Ü., Başaran A. A., Basaran N.
Food and Chemical Toxicology, vol.124, pp.54-63, 2019 (SCI-Expanded)
- V. **Can ursolic acid be beneficial against diabetes in rats?**
Bacanli M., Aydin S., Anlar H. G., ÇAL T., Ari N., Bucurgat U. U., BAŞARAN A. A., Basaran N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.43, no.5, pp.520-529, 2018 (SCI-Expanded)
- VI. **Effects of cinnamic acid on complications of diabetes**
ANLAR H. G., BACANLI M., ÇAL T., AYDIN DİLSİZ S., ARI N., ÜNDEĞER BUCURGAT Ü., BAŞARAN A. A., BAŞARAN A. N.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, no.1, pp.168-177, 2018 (SCI-Expanded)
- VII. **Antigenotoxic properties of Paliurus spina-christi Mill fruits and their active compounds**
Zor M., Aydin S., GUNER N. D., BASARAN N., BAŞARAN A. A.
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.17, 2017 (SCI-Expanded)
- VIII. **Resveratrol Protects Sepsis-Induced Oxidative DNA Damage in Liver and Kidney of Rats**
AYDIN DİLSİZ S., Sahin T. T., BACANLI M., Taner G., BAŞARAN A. A., AYDIN DİLSİZ S., Basaran N.
BALKAN MEDICAL JOURNAL, vol.33, no.6, pp.594-601, 2016 (SCI-Expanded)
- IX. **Surface-enhanced Raman probe for rapid nanoextraction and detection of erythropoietin in urine**
SELBES Y. S., ÇAĞLAYAN M. G., ERYILMAZ M., BOYACI İ. H., SAĞLAM N., BAŞARAN A. A., Tamer U.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.408, no.29, pp.8447-8456, 2016 (SCI-Expanded)
- X. **Hepatoprotective and antioxidant effects of lycopene in acute cholestasis**
Tokac M., Aydin S., Taner G., Ozkardes A. B., Yavuz Taslipinar M., DOĞAN M., Dundar H. Z., Kilic M., BAŞARAN A. A., BAŞARAN A. N.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.4, pp.857-864, 2015 (SCI-Expanded)
- XI. **Modulating Effects of Pycnogenol (R) on Oxidative Stress and DNA Damage Induced by Sepsis in Rats**
Taner G., Aydin S., BACANLI M., Sarigol Z., Sahin T., BAŞARAN A. N., Basaran N.
PHYTOTHERAPY RESEARCH, vol.28, no.11, pp.1692-1700, 2014 (SCI-Expanded)
- XII. **Protective effects of curcumin against oxidative stress parameters and DNA damage in the livers and kidneys of rats with biliary obstruction**
Tokac M., Taner G., Aydin S., Ozkardes A. B., Dundar H. Z., Taslipinar M. Y., Arikok A. T., Kilic M., BAŞARAN A. A.,

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- XIII. **Assessment of the cytotoxic, genotoxic, and antigenotoxic potential of Pycnogenol (R) in in vitro mammalian cells**
Taner G., Aydin S., Aytac Z., BAŞARAN A. A., Basaran N.
FOOD AND CHEMICAL TOXICOLOGY, vol.61, pp.203-208, 2013 (SCI-Expanded)
- XIV. **Anticarcinogenic Effects of the Ethanolic Extract of Salix aegyptiaca in Colon Cancer Cells: Involvement of Akt/PKB and MAPK Pathways**
Enayat S., Ceyhan M. S., BAŞARAN A. A., GÜRSEL M., BANERJEE S.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.65, no.7, pp.1045-1058, 2013 (SCI-Expanded)
- XV. **Protective effects of resveratrol on sepsis-induced DNA damage in the lymphocytes of rats**
AYDIN S., BACANLI M., Taner G., Sahin T., BAŞARAN A. N., Basaran N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.32, no.10, pp.1048-1057, 2013 (SCI-Expanded)
- XVI. **Antioxidant and antigenotoxic effects of lycopene in obstructive jaundice**
Aydin S., Tokac M., Taner G., Arikok A. T., Dundar H. Z., Ozkardes A. B., Taslipinar M. Y., Kilic M., BAŞARAN A. A., Basaran N.
JOURNAL OF SURGICAL RESEARCH, vol.182, no.2, pp.285-295, 2013 (SCI-Expanded)
- XVII. **Antioxidant activities of major thyme ingredients and lack of (oxidative) DNA damage in V79 Chinese hamster lung fibroblast cells at low levels of carvacrol and thymol**
Undeger U., BAŞARAN A. N., Degen G. H., Basaran N.
FOOD AND CHEMICAL TOXICOLOGY, vol.47, no.8, pp.2037-2043, 2009 (SCI-Expanded)
- XVIII. **Nutraceuticals**
Basaran A. A.
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.28, no.6, 2008 (SCI-Expanded)
- XIX. **The effects of thyme volatiles on the induction of DNA damage by the heterocyclic amine IQ and mitomycin C**
Aydin S., Basaran A., Basaran N.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.581, pp.43-53, 2005 (SCI-Expanded)
- XX. **Modulating effects of thyme and its major ingredients on oxidative DNA damage in human lymphocytes**
Aydin S., Basaran A., Basaran N.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.53, no.4, pp.1299-1305, 2005 (SCI-Expanded)
- XXI. **The modulating effects of quercetin and rutin on the mitomycin C induced DNA damage**
Undeger U., Aydin S., Basaran A., Basaran N.
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- XXII. **In vitro immunomodulatory activity of flavonoid glycosides from Urtica dioica L.**
Akbay P., Basaran A. A., Undeger U., Basaran N.
PHYTOTHERAPY RESEARCH, vol.17, no.1, pp.34-37, 2003 (SCI-Expanded)
- XXIII. **In vitro immunomodulatory activity of verbascoside from Nepeta ucrainica L.**
Akbay P., Çalış İ., Undeger U., Basaran N., Basaran A.
PHYTOTHERAPY RESEARCH, vol.16, no.6, pp.593-595, 2002 (SCI-Expanded)
- XXIV. **Flavonoids modulate Comet assay responses to food mutagens in human lymphocytes and sperm**
Anderson D., Dobrzynska M., Basaran N., Basaran A., Yu T.
MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS, vol.402, pp.269-277, 1998 (SCI-Expanded)
- XXV. **Immunomodulatory activities of some Turkish medicinal plants**
Basaran A. A., Ceritoğlu İ., Undeger U., Basaran N.
PHYTOTHERAPY RESEARCH, vol.11, no.8, pp.609-611, 1997 (SCI-Expanded)
- XXVI. **KARSOSIDE AND SCROPOLIOSIDE-D, 2 NEW IRIDOID GLYCOSIDES FROM SCROPHULARIA-ILWENSIS**
çalış i., ZOR M., BASARAN A. A., WRIGHT A., STICHER O.

- JOURNAL OF NATURAL PRODUCTS, vol.56, no.4, pp.606-609, 1993 (SCI-Expanded)
- XXVII. **ILWENSISAPONIN-A, ILWENSISAPONIN-B, ILWENSISAPONIN-C, AND ILWENSISAPONIN-D - TRITERPENE SAPONINS FROM SCROPHULARIA-ILWENSIS**
çalış i., ZOR M., BASARAN A. A., WRIGHT A., STICHER O.
HELVETICA CHIMICA ACTA, vol.76, no.3, pp.1352-1360, 1993 (SCI-Expanded)
- XXVIII. **Two phenethyl alcohol glycosides from Scutellaria orientalis subsp Pinnatifida**
ÇALIŞ İ., SARAÇOĞLU İ., BAŞARAN A. A., STICHER O.
Phytochemistry, vol.32, no.6, pp.1621-1623, 1993 (SCI-Expanded)
- XXIX. **IRIDOID AND PHENYLPROPANOID GLYCOSIDES FROM STACHYS-MACRANTHA**
çalış i., BASARAN A. A., SARACOGLU I., STICHER O.
PHYTOCHEMISTRY, vol.31, no.1, pp.167-169, 1992 (SCI-Expanded)
- XXX. **PHLINOSIDE-D AND PHLINOSIDE-E PHENYLPROPANOID GLYCOSIDES, AND IRIDOID FROM PHLOMIS-LINEARIS**
çalış i., BASARAN A. A., SARACOGLU I., STICHER O., RUEDI P.
PHYTOCHEMISTRY, vol.30, no.9, pp.3073-3075, 1991 (SCI-Expanded)
- XXXI. **PHLINOSIDE-A, PHLINOSIDE-B AND PHLINOSIDE-C, 3 PHENYLPROPANOID GLYCOSIDES FROM PHLOMIS-LINEARIS**
çalış i., BASARAN A. A., SARACOGLU I., STICHER O., RUEDI P.
PHYTOCHEMISTRY, vol.29, no.4, pp.1253-1257, 1990 (SCI-Expanded)
- XXXII. **Iridoids and Phenylpropanoid Glycosides from Phlomis linearis**
ÇALIŞ İ., BAŞARAN A. A., SARAÇOĞLU İ., STICHER O., RUEDI P.
Planta Medica, vol.56, pp.574, 1990 (SCI-Expanded)
- XXXIII. **LAVANDULIFOLIOSIDE - A NEW PHENYLPROPANOID GLYCOSIDE FROM STACHYS-LAVANDULIFOLIA**
BASARAN A. A., çalış i., ANKLIN C., NISHIBE S., STICHER O.
HELVETICA CHIMICA ACTA, vol.71, no.6, pp.1483-1490, 1988 (SCI-Expanded)

Articles Published in Other Journals

- I. **Phytochemicals used in autoimmune disorders**
BACANLI M., AYDIN DİLSİZ S., BAŞARAN A. A., BAŞARAN A. N.
Hacettepe University Journal of the Faculty of Pharmacy, vol.40, no.2, pp.83-92, 2020 (Scopus)
- II. **Lycopene: Is It Beneficial to Human Health as an Antioxidant?**
BACANLI M., BAŞARAN A. A., BAŞARAN A. N.
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.311-318, 2017 (Scopus)
- III. **Assessment of Cytotoxicity Profiles of Different Phytochemicals: Comparison of Neutral Red and MTT Assays in Different Cells in Different Time Periods**
BACANLI M., ANLAR H. G., BAŞARAN A. A., BAŞARAN A. N.
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.95-107, 2017 (Scopus)
- IV. **Antioxidant capacities and cytotoxic properties of some natural phenolic compounds in different cell lines**
BACANLI M., ANLAR H. G., Sarıgöl Kılıç Z., AYDIN S., BAŞARAN A. A., BAŞARAN A. N.
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, vol.34, no.1, pp.60-72, 2015 (Peer-Reviewed Journal)
- V. **The Effect of Tannic Acid on DNA Damage in Human Lymphocytes**
Tokaç D., AYDIN S., BAŞARAN A. A., BAŞARAN A. N.
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, vol.34, no.133, pp.133-146, 2015 (Peer-Reviewed Journal)
- VI. **Effect of epigallocatechin gallate on oxidative DNA damage in human lymphocytes İnsan lenfositlerinde epigallokateşin gallat'ın oksidatif DNA hasarı Üzerine etkisi**
Aydın S., Tokaç D., Başaran N., BAŞARAN A. A.
Turkish Journal of Pharmaceutical Sciences, vol.12, no.1, pp.19-28, 2015 (Scopus)

- VII. **Effect of epigallocatechin gallate on oxidative DNA damage in human lymphocytes**
AYDIN S., Tokaç D., BAŞARAN A. N., BAŞARAN A. A.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.12, no.1, pp.19-28, 2015 (Scopus)
- VIII. **The effect of tannic acid on DNA damage in human lymphocytes Tannik Asitin İnsan Lenfositlerinde DNA Hasarı Üzerine Etkisi**
Tokaç D., Aydın S., BAŞARAN A. A., Başaran N.
Hacettepe University Journal of the Faculty of Pharmacy, vol.34, no.2, pp.133-146, 2014 (Scopus)
- IX. **The effect of lycopene on oxidative DNA damage in human lymphocytes İnsan Lenfositlerinde Likopenin Oksidatif DNA Hasarı Üzerine Etkisi**
Tokaç D., Aydın S., BAŞARAN A. A., Başaran N.
Hacettepe University Journal of the Faculty of Pharmacy, vol.33, no.2, pp.163-178, 2013 (Scopus)
- X. **The Effect of Lycopene on Oxidative DNA Damage in Human Lymphocytes**
Tokaç D., AYDIN S., BAŞARAN A. N., BAŞARAN A. A.
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, vol.33, no.2, pp.1-24, 2013 (Scopus)
- XI. **Fitoöstrojenler ve Sağlıklı Yaşamdaki Önemleri**
BÜYÜKTUNCER DEMİREL Z., BAŞARAN A. A.
HACETTEPE ÜNİVERSİTESİ ECZACILIK FAKÜLTESİ DERGİSİ, 2005 (Peer-Reviewed Journal)
- XII. **Phlomis linearis Boiss Bal Üzerinde Fitokimyasal Araştırmalar**
BAŞARAN A. A., SARAÇOĞLU İ., RUEDI P., OTTO S., ÇALIŞ İ.
VIII. Bitkisel İlaç Hammaddeleri Toplantısı, İstanbul (Silivri), 19-21 Mayıs 1989. Bildiri Kitabı, pp.125-130, 1993 (Peer-Reviewed Journal)
- XIII. **Phlomis linearis den Elde Edilen İridoit Heterozitleri**
BAŞARAN A. A., SARAÇOĞLU İ., ÇALIŞ İ.
H.Ü. Ecz. Fak. Der., vol.11, pp.81-88, 1991 (Peer-Reviewed Journal)
- XIV. **Iridoids and two new phenylpropanoid glycosides from Phlomis linearis**
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Planta Medica, vol.56, no.6, pp.574, 1990 (Scopus)
- XV. **159 Epideoxyloganic Acid An Iridoid Glucoside Isolated from Nepeta caesarea Boiss Lamiaceae**
SARAÇOĞLU İ., BAŞARAN A. A., ÇALIŞ İ., AD W., OTTO S.
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- XVI. **Türkiye Uçucu Yağ Kaynaklarının Terpen Kaynağı Olarak Değerlendirilmesi**
SEZİK E., YEŞİLADA E., BAŞARAN A. A., SARAÇOĞLU İ., ERSÖZ T., ÖZİPEK M.
VI. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, 16-19 Mayıs 1986. Bildiri Kitabı, pp.257-264, 1987 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Effects of Phytochemicals Against Diabetes**
BACANLI M., AYDIN DİLSİZ S., BAŞARAN A. A., BAŞARAN A. N.
in: Advances in Food and Nutrition Research Volume:89, Fidel Toldra, Editor, Elsevier, pp.209-238, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Cytotoxic and Antimicrobial Activities of Prunus mahaleb L. Kernels, 6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI)**
BAYRAKÇEKEN Z., DOĞAN Z., EKİZOĞLU M., SARAÇOĞLU İ., BAŞARAN A. A.
6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta, Cyprus (Kktc), 13 - 17 November 2019
- II. **Antityrosinase activity of cinnamic acid derivatives from the kernels of Prunus mahaleb: Structure-**

activity relation.

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- III. **Isolation and identification of four alkaloids from the seeds of *Peganum harmala* L. collected in Turkey**
TAŞTEKİN N. H., SARAÇOĞLU İ., BAŞARAN A. A.
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- IV. **Antioxidant, Antidiabetic Potential and a New flavonoid from *Opuntia ficus – indica* (L.) Mill.**,
KELEŞ H. B., EKİN H. N., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.
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- V. **A survey of *Opuntia ficus–indica* (L.) Mill. Fruits**
KELEŞ H. B., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018
- VI. **Phenolic compounds from kernels of *Prunus mahaleb* L.**
BAYRAKÇEKEN Z., SARAÇOĞLU İ., BAŞARAN A. A.
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- VII. **Interactions of pycnogenol with cisplatin on V79 cell viability**
AYDIN S., BECİT M., BAŞARAN A. A., BAŞARAN A. N.
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- VIII. **Interactions of Pycnogenol with cisplatin on V79 Cell Viability**
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- IX. **Antidiabetic Activity of *Prunus mahaleb* L. kernels in vitro**
BAYRAKÇEKEN Z., EKİN H. N., ASLAN M., SARAÇOĞLU İ., BAŞARAN A. A.
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- X. **Antigenotoxic effects of Pycnogenol in diabetic rats**
AYDIN DİLSİZ S., BACANLI M., GOKTAS H. G., ÜNDEĞER BUCURGAT Ü., ARI N., BAŞARAN A. A., BASARAN N.
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- XI. **Effects of curcumin on cisplatin cytotoxicity in HepG2 cells**
Becit M., AYDIN DİLSİZ S., BAŞARAN A. A., BASARAN N.
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- XII. **Assessment of cytotoxicity of pycnogenol in HepG2 cells treated with cisplatin**
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- XIII. **Sporcularda Yasaklı Düşük Molekül Ağırlıklı Peptitlerin HILIC-MS/MS ile Analizi**
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17th Ulusal Kromatografi Kongresi – KROMATOĞRAFI'17, Turkey, 20 - 22 September 2017
- XIV. **Antioxidant potential and a new flavonoid from *Opuntia ficus-indica* (L.) Mill.**
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- XV. **Two phenolic compounds from *Prunus mahaleb* L. Kernels**
BAYRAKÇEKEN Z., ERCİL D., BAŞARAN A. A., SARAÇOĞLU İ.
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XVI. Opuntia ficus indica Bitkisinin Antimikrobiyal Aktivitesi

keleş h., EKİZOĞLU M., BAŞARAN A. A.

XXII. Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT), Turkey, 31 August - 05 September 2016

XVII. Prunus mahaleb L. Meyve kabuklarından yeni bir bileşik

BAYRAKÇEKEN Z., EKİZOĞLU M., BAŞARAN A. A.

XXII. Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT), Turkey, 31 August - 05 September 2016

XVIII. Flavonoids isolated from Opuntia ficus indica L Mill

KELEŞ H. B., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.

6th International Congress of Aromatic and Medicinal Plants (CIPAM 2016), Coimbra, Portugal, 29 May - 01 June 2016

XIX. Flavonoids isolated from Opuntia ficus indica L Mill

HANDE BÜŞRA K., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.

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Supported Projects

KUTLUAY V. M., TAŞTEKİN N. H., BAŞARAN A. A., Project Supported by Higher Education Institutions, Halk İlacı Olarak Kullanılan Peganum harmala L. (Üzerlik) Tohumları Üzerinde Potansiyel İlaç Araştırması, 2019 - 2021

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