

Prof. MİNE KÜRKÇÜOĞLU

Personal Information

Office Phone: [+90 222 335 0580](tel:+902223350580) Extension: 3711

Email: mkurkcuo@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/mkurkcuo>

International Researcher IDs

ORCID: 0000-0002-9375-0294

Yoksis Researcher ID: 47884

Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakognozi (Dr), Turkey 1990 - 1995

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakognozi (YI) (Tezli), Turkey 1986 - 1988

Undergraduate, Anadolu University, MÜHENDİSLİK FAKÜLTESİ, KİMYA MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 1978 - 1982

Dissertations

Doctorate, Türk gül yağı, koncreti ve absolüsünün üretimi ve özellikleri, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakognozi (Dr), 1995

Postgraduate, Türk gül yağının üretimi ve özelliklerinin tesbiti, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakognozi (YI) (Tezli), 1988

Research Areas

Pharmacology and Therapeutics

Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2016 - Continues

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2010 - 2016

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 1995 - 2010

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 1985 - 1995

Academic and Administrative Experience

Anadolu University, 2020 - Continues

Courses

BİTKİ KİMYASI VE ANALİZ YÖNTEMLERİ I (UE), Associate Degree, 2015 - 2016, 2014 - 2015, 2013 - 2014

FARMAKOĞNOZİ III, Undergraduate, 2015 - 2016, 2014 - 2015, 2008 - 2009, 2005 - 2006

FARMAKOGNOZİ UYGULAMALARI III, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
FARMAKOGNOZİ I, Undergraduate, 2015 - 2016
MEZUNİYET PROJESİ I, Undergraduate, 2014 - 2015, 2010 - 2011
MEZUNİYET PROJESİ II, Undergraduate, 2014 - 2015, 2010 - 2011
FARMAKOGNOZİ UYGULAMALARI II, Undergraduate, 2014 - 2015, 2013 - 2014, 2005 - 2006
BİTKİ KİMYASI VE ANALİZ YÖNTEMLERİ II (UE), Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013
Doğal Ürünler , Associate Degree, 2013 - 2014, 2011 - 2012
Topluma Hizmet Uygulamaları , Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012
Nutrasötikler , Associate Degree, 2013 - 2014
Bitki Kimyası ve Analiz Yöntemleri I (Uzaktan eğitim), Associate Degree, 2012 - 2013
Bitki Kimyası ve Analiz Yöntemleri II (Uzaktan eğitim), Associate Degree, 2011 - 2012, 2010 - 2011
Bitki Kimyası ve Analiz Yöntemleri I (Uzaktan eğitim), Associate Degree, 2011 - 2012
Tamamlayıcı Tedavi ve Bakım , Associate Degree, 2011 - 2012
KOKU BİLEŞİKLERİ VE ANALİZLERİ, Doctorate, 2011 - 2012, 2010 - 2011, 2005 - 2006
Eczacılık Uygulamaları I, Undergraduate, 2009 - 2010
Eczacılık Uygulamaları II, Undergraduate, 2009 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of essential oil of *Origanum onites* and its major component carvacrol on the expression of toxicity pathway genes in HepG2 cells**
TOMSUK Ö., Kuete V., SIVAS H., KÜRKÇÜOĞLU M.
BMC COMPLEMENTARY MEDICINE AND THERAPIES, vol.24, no.1, 2024 (SCI-Expanded)
- II. **Antioxidant and antimicrobial activity of the endemic *Mentha longifolia* subsp. *cyprica* growing in Cyprus**
Agiel N., KÖSE Y. B., GÜLCAN Z., SALTAN N., KÜRKÇÜOĞLU M., İŞCAN G.
Phytochemistry Letters, vol.60, pp.243-248, 2024 (SCI-Expanded)
- III. **Chemical composition, antimicrobial and antibiofilm activities of essential oil from Turkish endemic *Prangos hulusii* fruits**
Albayrak G., ÖZTÜRK İ., TEKİNTAŞ Y., KÜRKÇÜOĞLU M., Erguc A., BAYKAN ÖZTÜRK Ş.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.36, no.5, pp.481-492, 2024 (SCI-Expanded)
- IV. **The Effect of Irrigation and Humic Acid on the Plant Yield and Quality of Sweet Basil (*Ocimum basilicum* L.) with Mulching Application under Semi-Arid Ecological Conditions**
Sayarer M., AYTAÇ Z., KÜRKÇÜOĞLU M.
PLANTS-BASEL, vol.12, no.7, 2023 (SCI-Expanded)
- V. **Biological Activities of the Fruit Essential Oil, Fruit, and Root Extracts of *Ferula drudeana* Korovin, the Putative Anatolian Ecotype of the Silphion Plant**
TOSUN F., Goger F., İŞCAN G., KÜRKÇÜOĞLU M., KURAN F. K., MİSKİ M.
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- VI. **The insecticidal activities of *Erica manipuliflora* Salisb. Extracts in the flowering and fruiting periods and their evaluation in term of chemical profiles of active extracts**
Sen B., Gurdal B., Estep A. S., Tabanca N., KÜRKÇÜOĞLU M., GÖGER F., Gul Z., BARDAKCI H., Becnel J., Mat A., et al.
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- VII. **Humic Acid Improves Plant Yield, Antimicrobial Activity and Essential Oil Composition of *Oregano* (*Origanum vulgare* L. subsp. *hirtum* (Link.) Ietswaart)**
AYTAÇ Z., GÜLBANDILAR A., KÜRKÇÜOĞLU M.
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- VIII. **Phytochemical screening and biological evaluation of *Salvia hydrangea* Dc. ex Benth. growing in eastern Anatolia**

Toplan G. G., KÜRKÇÜOĞLU M., GÖGER F., TAŞKIN T., Civas A., İŞCAN G., Ecevit-Genc G., Mat A., Baser K. H. C. SOUTH AFRICAN JOURNAL OF BOTANY, vol.147, pp.799-807, 2022 (SCI-Expanded)

- IX. **Comparative Studies on Essential Oil and Phenolic Content with In Vitro Antioxidant, Anticholinesterase, Antimicrobial Activities of *Achillea biebersteinii* Afan. and *A. millefolium* subsp. *millefolium* Afan. L. Growing in Eastern Turkey**
Toplan G. G., TAŞKIN T., İŞCAN G., GÖGER F., KÜRKÇÜOĞLU M., Civas A., Ecevit-Genc G., Mat A., Baser K. H. C. MOLECULES, vol.27, no.6, 2022 (SCI-Expanded)
- X. **Phytochemical composition and pharmacological activities of *Teucrium polium* L. collected from eastern Turkey**
Gulsoy Toplan G., GÖGER F., TAŞKIN T., Ecevit-Genc G., Civas A., İŞCAN G., KÜRKÇÜOĞLU M., Mat A., Baser K. H. C. TURKISH JOURNAL OF CHEMISTRY, vol.46, no.1, pp.269-282, 2022 (SCI-Expanded)
- XI. **Chemical Composition and Anticandidal Activity of Essential Oils Obtained from Different Parts of *Prangos heyneiae* H. Duman & M. F. Watson**
Karahisar E., KÖSE Y. B., İŞCAN G., KÜRKÇÜOĞLU M., TUGAY O. RECORDS OF NATURAL PRODUCTS, vol.16, no.1, pp.74-83, 2022 (SCI-Expanded)
- XII. **Volatile constituents of three *Thymus sipyleus* Boiss. subspecies from different sites in Turkey**
AĞALAR H. G., KÜRKÇÜOĞLU M., Baser K. H. C., TURGUT K. TURKISH JOURNAL OF CHEMISTRY, vol.45, no.6, pp.1959-1967, 2021 (SCI-Expanded)
- XIII. **Chemical composition and biological activities of *Valeriana dioscoridis* SM roots .**
Sen-Utsukarci B., Kessler S. M., AKBAL DAĞISTAN Ö., Estep A. S., Tabanca N., KÜRKÇÜOĞLU M., DEMİRCİ S., EROĞLU ÖZKAN E., Gul Z., BARDAKCI H., et al. SOUTH AFRICAN JOURNAL OF BOTANY, vol.141, pp.306-312, 2021 (SCI-Expanded)
- XIV. **Chemical composition, antiradical, and enzyme inhibitory potential of essential oil obtained from aerial part of *Centaurea pterocaula* Trautv**
ŞEN A., KÜRKÇÜOĞLU M., Yildirim A., ŞENKARDEŞ İ., BİTİŞ L., Baser K. H. C. JOURNAL OF ESSENTIAL OIL RESEARCH, vol.33, no.1, pp.44-52, 2021 (SCI-Expanded)
- XV. **Anti-mycobacterial activity and chemical composition of essential oils and phenolic extracts of the balsam of *Liquidambar orientalis* Mill. (Altingiaceae)**
AŞKUN T., KÜRKÇÜOĞLU M., Guner P. TURKISH JOURNAL OF BOTANY, vol.45, no.2, pp.800-808, 2021 (SCI-Expanded)
- XVI. ***Ducrosia ismaelis* Asch. essential oil: chemical composition profile and anticancer, antimicrobial and antioxidant potential assessment**
Mothana R. A., Nasr F. A., Khaled J. M., Noman O. M., Abutaha N., Al-Rehaily A., Almarfadi O. M., KÜRKÇÜOĞLU M. OPEN CHEMISTRY, vol.18, no.1, pp.175-184, 2020 (SCI-Expanded)
- XVII. **Chemical composition and antioxidant, cytotoxic, and insecticidal potential of *Valeriana alliariifolia* in Turkey**
Sen-Utsukarci B., TAŞKIN T., GÖGER F., Tabanca N., Estep A. S., Kessler S. M., AKBAL DAĞISTAN Ö., BARDAKCI H., KÜRKÇÜOĞLU M., Becnel J., et al. ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU-ARCHIVES OF INDUSTRIAL HYGIENE AND TOXICOLOGY, vol.70, no.3, pp.207-218, 2019 (SCI-Expanded)
- XVIII. **Chemical Composition, Antidiabetic, Anti-inflammatory and Antioxidant Activity of *Inula ensifolia* L. Essential Oil**
ŞEN A., KÜRKÇÜOĞLU M., ŞENKARDEŞ İ., BİTİŞ L., BAŞER K. H. C. JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.22, no.4, pp.1048-1057, 2019 (SCI-Expanded)
- XIX. **Analysis of Chemical Composition and Assessment of Cytotoxic, Antimicrobial, and Antioxidant Activities of the Essential Oil of *Meriandra dianthera* Growing in Saudi Arabia**
Mothana R. A., Nasr F. A., Khaled J. M., AL-Zharani M., Noman O. M., Abutaha N., Al-Rehaily A. J., Almarfadi O. M., Kumar A., KÜRKÇÜOĞLU M. MOLECULES, vol.24, no.14, 2019 (SCI-Expanded)
- XX. **Chemical composition of endemic *Stachys subnuda* Montbret & Aucher ex Benth. essential oil and its anti-inflammatory and antioxidant activities**

- ŞEN A., KÜRKÇÜOĞLU M., BİTİŞ L., DOĞAN A., BAŞER K. H. C.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.31, no.4, pp.326-334, 2019 (SCI-Expanded)
- XXI. **Volatile Compounds of Tripleurospermum decipiens from Two Natural Populations in Turkey**
KÜRKÇÜOĞLU M., TOSUN F., İNCEER H., Baser K. H. C.
CHEMISTRY OF NATURAL COMPOUNDS, vol.55, no.3, pp.565-567, 2019 (SCI-Expanded)
- XXII. **Composition of the Essential Oils of Two Endemic Helichrysum Species in Turkey**
KÜRKÇÜOĞLU M., AĞALAR H. G., AKSOY A., Baser K. H. C.
RECORDS OF NATURAL PRODUCTS, vol.13, no.3, pp.236-242, 2019 (SCI-Expanded)
- XXIII. **Morphological, Indumentum and Chemical Characteristics and Analysis of the Volatile Components of the Flowers of Rhododendron ponticum L. subsp ponticum (Ericaceae) of Turkish Origin**
KÜÇÜK S., KÜRKÇÜOĞLU M., Baser K. H. C.
RECORDS OF NATURAL PRODUCTS, vol.12, no.5, pp.498-507, 2018 (SCI-Expanded)
- XXIV. **Composition of the Essential Oil of Salvia montbretii Benth. from Turkey**
Abak F., YILDIZ G., ATAMOV V., KÜRKÇÜOĞLU M.
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- XXV. **Phytochemical analysis and evaluation of the cytotoxic, antimicrobial and antioxidant activities of essential oils from three Plectranthus species grown in Saudi Arabia**
Mothana R. A., Khaled J. M., Noman O. M., Kumar A., Alajmi M. F., Al-Rehaily A. J., KÜRKÇÜOĞLU M.
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.18, 2018 (SCI-Expanded)
- XXVI. **Chemical Composition of a New Taxon, Seseli gummiferum subsp ilgazense, and its Larvicidal Activity against Aedes aegypti**
KÜRKÇÜOĞLU M., Tabanca N., Ali A., Khan I. A., DURAN A., BAŞER K. H. C.
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- XXVII. **IDENTIFICATION OF VOLATILE COMPOUNDS AND ANTIMICROBIAL ACTIVITIES OF MUSCARI NEGLECTUM GROWING IN TURKEY**
Eroglu-Ozkan E., DEMİRCİ S., Gulsoy-Toplan G., Mataraci-Kara E., KÜRKÇÜOĞLU M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.7, pp.4674-4678, 2018 (SCI-Expanded)
- XXVIII. **Chemical Composition, Anti-Inflammatory, Antioxidant and Antimicrobial Activity of Essential Oil from Aerial Parts of Chaerophyllum aromaticum L. from Turkey**
KÜRKÇÜOĞLU M., ŞEN A., BİTİŞ L., BİRTEKSÖZ TAN A. S., DOĞAN A., BAŞER K. H. C.
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.21, no.2, pp.563-569, 2018 (SCI-Expanded)
- XXIX. **ANTICANDIDAL ACTIVITY OF HYPERICUM ELONGATUM VAR. ELONGATUM ESSENTIAL OIL**
KÖSE Y. B., İŞCAN G., KÜRKÇÜOĞLU M., KÜÇÜK S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.12, pp.8481-8485, 2018 (SCI-Expanded)
- XXX. **Composition and biological activities of Salvia veneris Hedge growing in Cyprus**
Toplan G. G., KÜRKÇÜOĞLU M., GÖGER F., İŞCAN G., AĞALAR H. G., Mat A., Baser K. H. C., Koyuncu M., SARIYAR G.
INDUSTRIAL CROPS AND PRODUCTS, vol.97, pp.41-48, 2017 (SCI-Expanded)
- XXXI. **Essential Oil Constituents of Phlomis pungens Willd. from Azerbaijan**
KIRIMER N., Suleymanov T. A., KÜRKÇÜOĞLU M., Nazemiyeh H., Shukurova A. S., Jouyban A.
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.20, no.6, pp.1492-1501, 2017 (SCI-Expanded)
- XXXII. **Essential Oil Composition from Fruits and Aerial Parts of Bilacunaria anatolica A. Duran (Apiaceae) Endemic in Turkey**
KÜRKÇÜOĞLU M.
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.19, no.2, pp.379-383, 2016 (SCI-Expanded)
- XXXIII. **GC-MS Analysis: In Vivo Hepatoprotective and Antioxidant Activities of the Essential Oil of Achillea biebersteinii Afan. Growing in Saudi Arabia**
Al-Said M. S., Mothana R. A., Al-Yahya M. M., Rafatullah S., Al-Sohaibani M. O., Khaled J. M., Alatar A., Alharbi N. S., KÜRKÇÜOĞLU M., Baser H. C.
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.2016, 2016 (SCI-Expanded)
- XXXIV. **Essential Oil Composition of Tordylium elegans**
KÜRKÇÜOĞLU M., ÖNDER A., Duran A., DUMAN H., Baser K. H. C.

- Chemistry of Natural Compounds, vol.51, no.5, pp.980-981, 2015 (SCI-Expanded)
- XXXV. **Composition of the essential oils from samples of *Vitex agnus-castus* L. growing in Turkey**
Toplan G. G., KÜRKÇÜOĞLU M., Husnu Can Baser K., Sariyar G.
Journal of Essential Oil Research, vol.27, no.4, pp.337-342, 2015 (SCI-Expanded)
- XXXVI. **Composition of the Essential Oil of *Marrubium anisodon* C. Koch of Turkish Origin**
KIRIMER N., KÜRKÇÜOĞLU M., Akgül G., Başer K. H. C., Mahmoud A. A.
Records of Natural Products, vol.9, no.2, pp.234-236, 2015 (SCI-Expanded)
- XXXVII. **Chemical Composition, Larvicidal, and Biting Deterrent Activity of Essential Oils of Two Subspecies of *Tanacetum argenteum* (Asterales: Asteraceae) and Individual Constituents Against *Aedes aegypti* (Diptera: Culicidae)**
Ali A., Tabanca N., KÜRKÇÜOĞLU M., DURAN A., Blythe E. K., Khan I. A., Baser K. H. C.
JOURNAL OF MEDICAL ENTOMOLOGY, vol.51, no.4, pp.824-830, 2014 (SCI-Expanded)
- XXXVIII. **A mechanistic investigation on anticholinesterase and antioxidant effects of rose (*Rosa damascena* Mill.)**
ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ., KÜRKÇÜOĞLU M., Khan M. T. H., Altintas A., Sener B., Baser K. H. C.
FOOD RESEARCH INTERNATIONAL, vol.53, no.1, pp.502-509, 2013 (SCI-Expanded)
- XXXIX. **Investigation on chemical composition, anticholinesterase and antioxidant activities of extracts and essential oils of Turkish *Pinus* species and pycnogenol**
ÜSTÜN O., ŞENOL DENİZ F. S., KÜRKÇÜOĞLU M., ERDOĞAN ORHAN İ., Kartal M., BAŞER K. H. C.
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- XL. **Assessment of anti-angiogenic and anti-tumoral potentials of *Origanum onites* L. essential oil**
Bostancioglu R. B., KÜRKÇÜOĞLU M., BAŞER K. H. C., Koparal A. T.
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- XLI. **Chemical Composition of Endemic *Thymus spathulifolius* Hausskn. and Velen. Essential Oil and its Antimicrobial and Antioxidant Activity from Turkey**
Celen S., AZAZ A. D., KÜRKÇÜOĞLU M., BAŞER K. H. C.
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- XLII. **Evaluation of some essential oils as alternative antibiotics against American foulbrood agent *Paenibacillus larvae* on honey bees *Apis mellifera* L**
ÖZKIRIM A., KESKİN N., KÜRKÇÜOĞLU M., BAŞER K. H. C.
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- XLIII. **Antimicrobial and anticholinesterase activities of the essential oils isolated from *Salvia dicroantha* Stapf., *Salvia verticillata* L. subsp *amasiaca* (Freyn and Bornm.) Bornm. and *Salvia wiedemanni* Boiss.**
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- XLIV. **Composition of Essential Oils of *Calamintha nepeta* (L.) Savi Subsp *nepeta* and *Calamintha nepeta* (L.) Savi Subsp *glandulosa* (Req.) PW Ball**
Alan S., KÜRKÇÜOĞLU M., BAŞER K. H. C.
ASIAN JOURNAL OF CHEMISTRY, vol.23, no.6, pp.2357-2360, 2011 (SCI-Expanded)
- XLV. **The composition of the essential oils of *Calamintha pamphylica* subspecies**
Alan S., KÜRKÇÜOĞLU M., BAŞER K. H. C.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.2, pp.259-265, 2011 (SCI-Expanded)
- XLVI. **MORPHOLOGICAL, CHEMICAL AND INDUMENTUM CHARACTERISTICS OF *RHODODENDRON LUTEUM* SWEET (ERICACEAE)**
Alan S., KÜRKÇÜOĞLU M., GÖGER F., BAŞER K. H. C.
PAKISTAN JOURNAL OF BOTANY, vol.42, no.6, pp.3729-3737, 2010 (SCI-Expanded)
- XLVII. **Composition of the Essential Oils of *Calamintha sylvatica* Bromf. subsp *sylvatica* and *Calamintha sylvatica* Bromf. subsp *ascendens* (Jordan) PW Ball**
Alan S., KÜRKÇÜOĞLU M., BAŞER K. H. C.
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- XLVIII. **Effect of Oregano Essential Oil on Biofilms Formed By Staphylococci and Escherichia coli**
Oral N. B., VATANSEVER L., DUMAN AYDIN B., SEZER Ç., GÜVEN A., GÜLMEZ M., BAŞER K. H. C., KÜRKÇÜOĞLU M.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.16, 2010 (SCI-Expanded)
- XLIX. **Composition of *Tordylium aegyptiacum* (L.) Lam. Essential Oil**
ÖNDER A., KÜRKÇÜOĞLU M., BAŞER K. H. C.
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- L. **Essential Oils From Wild and Micropropagated Plants of *Origanum minutiflorum* O. Schwarz et Davis**
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- LI. **Effects of different organic manure applications on the essential oil components of Turkish sage (*Salvia fruticosa* Mill.)**
Kocabas I., KAPLAN M., Kurkcuoglu M., Can Baser K. H.
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- LII. **Characterization of essential oils of some *Salvia* species and their antimycobacterial activities**
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- LIII. **Anti-tuberculosis Activity of *Daucus littoralis* Sibth. et Sm. (Apiaceae) From Turkey**
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- LIV. **COMPARATIVE MORPHOLOGICAL AND PHYTOCHEMICAL CHARACTERIZATION OF *SALVIA CADMICA* AND *S. SMYRNAEA***
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PAKISTAN JOURNAL OF BOTANY, vol.41, no.4, pp.1545-1555, 2009 (SCI-Expanded)
- LV. **Composition of the Essential Oils of *Calamintha tauricola* PH Davis**
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- LVI. **Anticonvulsant activity of furanocoumarins and the essential oil obtained from the fruits of *Heracleum crenatifolium***
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