

## Asst. Prof. VAHAP MURAT KUTLUAY

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmakognozi A.B.D., Turkey 2010 - 2016

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2005 - 2010

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, BAZI DIGITALIS L. TÜRLERİ ÜZERİNDE FARMAKOGNOZİK ARAŞTIRMALAR, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), 2016

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2022 - Continues

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2011 - 2022

### Academic and Administrative Experience

Araştırma Görevlisi Fakülte Temsilcisi, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2019 - 2022

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

- I. Interactions between phenolic constituents of *Scutellaria salviifolia* and key targets associated with

**inflammation: network pharmacology, molecular docking analysis and in vitro assays**

DOĞAN Z., KUTLUAY V. M., GENÇ Y., SARAÇOĞLU İ.

Journal of Biomolecular Structure and Dynamics, vol.41, no.4, pp.1281-1294, 2023 (SCI-Expanded)

- II. **The evaluation of the antidiabetic effects of red wine polyphenols with the view of in silico prediction methods**  
DİKER N. Y., KUTLUAY V. M.  
Food Bioscience, vol.40, 2021 (SCI-Expanded)
- III. **Constitution of a comprehensive phytochemical profile and network pharmacology based investigation to decipher molecular mechanisms of Teucrium polium L. in the treatment of type 2 diabetes mellitus**  
KUTLUAY V. M., DİKER N. Y.  
PEERJ, vol.8, 2020 (SCI-Expanded)
- IV. **Assessment of LXR alpha agonist activity and selective antiproliferative efficacy: a study on different parts of Digitalis species**  
KUTLUAY V. M., Inoue M., SARAÇOĞLU İ.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.6, pp.745-751, 2019 (SCI-Expanded)
- V. **Cytotoxic phenylethanoid glycosides from Digitalis davisiana Heywood: Evaluation of structure activity relationships and chemotaxonomical significance of isolated compounds**  
KUTLUAY V. M., ISHIUCHI K., MAKINO T., SARAÇOĞLU İ.  
FITOTERAPIA, vol.135, pp.90-98, 2019 (SCI-Expanded)
- VI. **New knowledge about old drugs; a cardenolide type glycoside with cytotoxic effect and unusual secondary metabolites from Digitalis grandiflora Miller**  
KUTLUAY V. M., Makino T., Inoue M., SARAÇOĞLU İ.  
Fitoterapia, vol.134, pp.73-80, 2019 (SCI-Expanded)
- VII. **Evaluation of Some Biological Effects of Incarvillea emodi (Royle ex Lindl.) Chatterjee and Determination of Its Active Constituents**  
Ihtesham Y., Khan U., DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.25, no.2, pp.171-178, 2019 (SCI-Expanded)
- VIII. **Bioactive phenylethanoid glycosides from Digitalis davisiana Heywood**  
KUTLUAY V. M., Inoue M., SARAÇOĞLU İ.  
Planta Medica, vol.81, 2015 (SCI-Expanded)
- IX. **Bioactivity based phytochemical studies on Scutellaria salviifolia Benth**  
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.  
Planta Medica, vol.81, 2015 (SCI-Expanded)
- X. **Evaluation of selective antiproliferative efficacy of Digitalis species**  
KUTLUAY V. M., SARAÇOĞLU İ., Inoue M.  
Anti-Cancer Drugs, vol.26, pp.1-39, 2015 (SCI-Expanded)
- XI. **Antioxidant potential of Incarvillea emodi (Royle ex Lindl.) Chatterjee**  
Ihtesham Y., KUTLUAY V. M., DOĞAN Z., Khan U., SARAÇOĞLU İ.  
PLANTA MEDICA, vol.79, no.13, pp.1253, 2013 (SCI-Expanded)
- XII. **Evaluation of cytotoxic activity and active compounds from genus Digitalis**  
KUTLUAY V. M., GENÇ Y., Harput S., Jensen S., SARAÇOĞLU İ.  
PLANTA MEDICA, vol.79, no.13, pp.1214, 2013 (SCI-Expanded)
- XIII. **Antioxidant Potential of Incarvillea emodi Royle ex Lindl Chatterjee**  
IHTESHAM Y., KUTLUAY V. M., DOĞAN Z., KHAN U., SARAÇOĞLU İ.  
Planta Medica, vol.79, no.13, pp.1253, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A NEW APPROACH IN DRUG DISCOVERY: NETWORK PHARMACOLOGY**

DİKER N. Y., KUTLUAY V. M.

Journal of Research in Pharmacy, vol.27, pp.6-8, 2023 (ESCI)

- II. **Nuclear receptor agonist activity studies on some Plantago species and Scutellaria salviifolia Benth.: A particular focus on liver x receptor alpha and retinoid x receptor alpha connected with the inflammation process**

KUTLUAY V. M., GENÇ Y., DOĞAN Z., Inoue M., SARAÇOĞLU İ.

Journal of Research in Pharmacy, vol.26, no.2, pp.272-278, 2022 (ESCI)

- III. **Isolation of potential liver x receptor alpha agonist and antioxidant compounds from Hypericum microcalycinum Boiss. & Heldr.**

Aydin S. S., KUTLUAY V. M., Makino T., Inoue M., HARPUR Ü. Ş., SARAÇOĞLU İ.

ISTANBUL JOURNAL OF PHARMACY, vol.51, no.1, pp.98-104, 2021 (ESCI)

- IV. **Cytotoxic effect of some Digitalis species A study of selectivity**

KUTLUAY V. M., SARAÇOĞLU İ.

FABAD Journal of Pharmaceutical Sciences, vol.43, pp.25-29, 2018 (Scopus)

## Books & Book Chapters

- I. **Paeonia lactiflora**

KUTLUAY V. M.

in: FFD Monografıları Bitkiler ve Etkileri, , Editor, AKADEMİSYEN KİTABEVİ, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Cytotoxicity and HPLC Studies on Anthraquinone Molecules and Rumex Root Extracts**

ÖZENVER N., GÜNDOĞDU S., KUTLUAY V. M., DOĞAN Z., UZ A., YALÇIN F. N., DEMİREZER L. Ö.

PSE Meeting 2023: PSE Natural Drug Discovery- Current Approach and Future Perspectives, Turkey, 12 - 15 October 2023

- II. **Evaluation of the antioxidant potential and phenolic content of different Digitalis species growing Turkey.**

KUTLUAY V. M., SARAÇOĞLU İ.

6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta-Magosa, Cyprus (Kktc), 13 - 17 November 2019

- III. **Cytotoxicity screening of secondary metabolites isolated from Digitalis davisiana and D. grandiflora**

KUTLUAY V. M., SARAÇOĞLU İ.

6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta-Magosa, Cyprus (Kktc), 13 - 17 November 2019

- IV. **Isolation and identification of secondary metabolites, including four new compounds from three Digitalis species**

KUTLUAY V. M., ISHIUCHI K., MAKINO T., GÖGER F., KIRIMER N., SARAÇOĞLU İ.

30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCP30 ICB10), 25 - 29 November 2018

- V. **Comparative LC-MS/MS studies on three different Digitalis species**

KUTLUAY V. M., GÖGER F., KIRIMER N., SARAÇOĞLU İ.

12th International Symposium on Pharmaceutical Sciences (12th ISOPS), 26 - 29 June 2018

- VI. **Liver X receptor agonist activity of some medicinal plants from Turkey**

KUTLUAY V. M., GENÇ Y., DOĞAN Z., Inoue M., SARAÇOĞLU İ.

12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018

- VII. **Isolation of potent liver x receptor agonist compounds from Hypericum microcalycinum Boiss. Heldr.**

SARIKAYA AYDIN S., KUTLUAY V. M., BAI F., MAKINO T., HARPUT Ü. Ş., SARAÇOĞLU İ.

12th International Symposium on Pharmaceutical Sciences (12th ISOPS), Ankara, Turkey, 26 - 29 June 2018

- VIII. **Nükleer reseptörler: Doğal kaynaklarda bulunan karaciğer X reseptör a (LXR $\alpha$ ) agonist etkili bileşiklerin araştırılması**  
KUTLUAY V. M., NAKASHIMA K., TANABE H., SARAÇOĞLU İ., MAKOTO I.  
23. Bitkisel İlaç Hammaddeleri Toplantısı (23. BİHAT), Antalya, Turkey, 9 - 12 April 2018
- IX. **Chemotaxonomical Studies of Plantaginaceae Family**  
KUTLUAY V. M., GENÇ Y., SARAÇOĞLU İ.  
2nd International Gazi Pharma Symposium Series (GPSS 2017), Ankara, Turkey, 11 - 13 October 2017, pp.61
- X. **Cytotoxicity comparison on different parts of three Digitalis species and isolation of potential bioactive compounds**  
KUTLUAY V. M., Inoue M., Harput U. S., SARAÇOĞLU İ.  
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XI. **Bioassay-guided isolation studies on Scutellaria salviifolia Benth.**  
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.  
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XII. **Cytotoxic activity screening of some Turkish marine sponge species**  
KUTLUAY V. M., Konuklugil B., SARAÇOĞLU İ.  
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XIII. **Hypericum microcalycinum Boiss Heldr Üzerinde Biyoaktivite Rehberli İzolasyon Çalışmaları**  
SARIKAYA AYDIN S., KUTLUAY V. M., BAI F., INOUE M., SARAÇOĞLU İ., HARPUT Ü. Ş.  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı (XXII. BİHAT), Trabzon, Turkey, 31 August - 05 September 2016
- XIV. **Bioassay guided isolation of phenolic compounds from Scutellaria salviifolia Benth**  
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.  
9th Joint Natural Product Conference 2016 (Joint Meeting with ASP, AFERP, JSP, PSE and SIF and 64th Annual Meeting of GA, Kopenhag, Denmark, 24 - 28 July 2016
- XV. **Bioassay guided isolation studies on Incarvillea emodi Royle ex Lindl Chatterjee**  
İhtesham Y., DOĞAN Z., KUTLUAY V. M., Khan U., SARAÇOĞLU İ.  
9th Joint Natural Products Conference 2016, 24 - 27 July 2016
- XVI. **Evaluation of selective antiproliferative efficacy of Digitalis species**  
KUTLUAY V. M., SARAÇOĞLU İ., MAKOTO I.  
1st International Conference on Natural Products for Cancer Prevention and Therapy (NPCPT-2015), İstanbul, Turkey, 31 August - 02 September 2015
- XVII. **Bioactivity Based Phytochemical Studies on Scutellaria salviifolia Benth**  
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.  
63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary, 23 - 27 August 2015
- XVIII. **Bioactive Phenylethanoid Glycosides from Digitalis davisiana Heywood**  
KUTLUAY V. M., MAKOTO I., SARAÇOĞLU İ.  
63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary, 23 - 27 August 2015
- XIX. **Selective Cytotoxic Activities of Some Digitalis Species**  
KUTLUAY V. M., SARAÇOĞLU İ.  
11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
- XX. **Selective Cytotoxic Activities of Some Digitalis species on HeLa cell line**  
KUTLUAY V. M., SARAÇOĞLU İ.  
11st International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 9 - 12 June 2015

## Supported Projects

DEMİREZER L. Ö., YALÇIN F. N., UZ A., KUTLUAY V. M., DOĞAN Z., ÖZENVER N., Gündoğdu S., Project Supported by Higher Education Institutions, İlaç adayı potansiyel antikanser etkili antrakinin molekülüleri ve Rumex ekstraktları üzerinde sitotoksosite ve HPLC çalışmaları, 2021 - 2023

Taştekin N. H., Kutluay V. M., Project Supported by Higher Education Institutions, Üzerlik bitkisi (Peganum harmala L.) tohumlarının metanolik ekstresi ve alkaloidlerinin antihemoroidal etkisinin matriks metalloproteinaz inhibitör aktiviteleri üzerinden değerlendirilmesi, 2021 - 2022

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

SARAÇOĞLU İ., KUTLUAY V. M., Project Supported by Higher Education Institutions, BAZI DIGITALIS TÜRLERİ ÜZERİNDE FARMAKOĞNOZİK ARAŞTIRMALAR, 2016 - 2017

KUTLUAY V. M., SARAÇOĞLU İ., Project Supported by Higher Education Institutions, Digitalis Türleri Üzerinde Antiproliferatif Etkinin Araştırılması, 2015 - 2016

SARAÇOĞLU İ., DOĞAN Z., KUTLUAY V. M., Project Supported by Higher Education Institutions, Scutellaria salviifolia Benth. Üzerinde Biyoaktivite Rehberli Fitokimyasal Çalışmalar, 2015 - 2015

## Activities in Scientific Journals

FABAD Journal of Pharmaceutical Sciences, Technical Redactor, 2021 - Continues

## Metrics

Publication: 39

Citation (WoS): 11

Citation (Scopus): 13

H-Index (WoS): 2

H-Index (Scopus): 2