

## Assoc. Prof. DİDEM ŞÖHRETOĞLU

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi, Turkey 2004 - 2008

Post Graduate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi, Turkey 2001 - 2004

Under Graduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Turkey 1997 - 2001

### Foreign Languages

English, C1 Advanced

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysosplenetin**  
Şöhretoğlu D., Barut B., Sari S., Özel A., Arroo R.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.163, pp.1053-1059, 2020 (Journal Indexed in SCI)
- II. **Medicinal natural products in osteoporosis**  
ŞÖHRETOĞLU D., RENDA G.  
MEDICINAL NATURAL PRODUCTS: A DISEASE-FOCUSED APPROACH, vol.55, pp.327-372, 2020 (Journal Indexed in SCI)
- III. **Discovery of potent alpha-glucosidase inhibitor flavonols: Insights into mechanism of action through inhibition kinetics and docking simulations**  
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.  
BIOORGANIC CHEMISTRY, vol.79, pp.257-264, 2018 (Journal Indexed in SCI)
- IV. **Potential of *Potentilla inclinata* and its polyphenolic compounds in  $\alpha$ -glucosidase inhibition: Kinetics and interaction mechanism merged with docking simulations**  
ŞÖHRETOĞLU D., SARI S., ŞORAL M., BARUT B., ÖZEL A., LIPTAJ T.  
International Journal of Biological Macromolecules, vol.108, pp.81-87, 2018 (Journal Indexed in SCI)
- V. **Plant-Derived Antiinflammatory Steroid Analogs for Neuroprotection: A Recent Update**  
ŞÖHRETOĞLU D., Arroo R.  
DISCOVERY AND DEVELOPMENT OF NEUROPROTECTIVE AGENTS FROM NATURAL PRODUCTS: NATURAL PRODUCT DRUG DISCOVERY, pp.321-358, 2018 (Journal Indexed in SCI)
- VI. **Ganoderma lucidum Polysaccharides as An Anti-cancer Agent**  
ŞÖHRETOĞLU D., Huang S.

- ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.5, pp.667-674, 2018 (Journal Indexed in SCI)
- VII. **alpha-Glucosidase inhibitory effect of *Potentilla astracanica* and some isoflavones: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**  
ŞÖHRETOĞLU D., SARI S., ÖZEL A., BARUT B.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.105, pp.1062-1070, 2017 (Journal Indexed in SCI)
- VIII. **Comparative Evaluation of Phenolic Profile, Antioxidative and Cytotoxic Activities of Different Geranium Species**  
ŞÖHRETOĞLU D., GENÇ Y., HARPUT S.  
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.16, pp.178-187, 2017 (Journal Indexed in SCI)
- IX. **Phytochemical Content, Antioxidant and Cytotoxic Activities of *Sedum spurium***  
ŞÖHRETOĞLU D., GENÇ Y., HARPUT S., SABUNCUOĞLU S., Soral M., RENDA G., Liptaj T.  
NATURAL PRODUCT COMMUNICATIONS, vol.11, no.11, pp.1693-1696, 2016 (Journal Indexed in SCI)
- X. **Isolation of an oleanane-type saponin active from *Bellis perennis* through antitumor bioassay-guided procedures**  
Karakas F. P. , ŞÖHRETOĞLU D., Liptaj T., Stujber M., Turker A. U. , Marak J., Calis I., YALÇIN F. N.  
PHARMACEUTICAL BIOLOGY, vol.52, no.8, pp.951-955, 2014 (Journal Indexed in SCI)
- XI. **New Secondary Metabolites from *Quercus coccifera* L.**  
ŞÖHRETOĞLU D., Kuruuzum-Uz A., Simon A., Patocs T., Dekany M.  
RECORDS OF NATURAL PRODUCTS, vol.8, no.4, pp.323-329, 2014 (Journal Indexed in SCI)
- XII. **Iridoids, monoterpenoid glucoindole alkaloids and flavonoids from *Vinca major***  
ŞÖHRETOĞLU D., Masullo M., Piacente S., Kirmizibekmez H.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.49, pp.69-72, 2013 (Journal Indexed in SCI)
- XIII. **Evaluation of antihemolytic and antioxidant activities of *Geranium tuberosum* subsp *tuberosum* with in vitro models**  
SABUNCUOĞLU S., ŞÖHRETOĞLU D.  
PHARMACEUTICAL BIOLOGY, vol.50, no.11, pp.1374-1379, 2012 (Journal Indexed in SCI)
- XIV. **Evaluation of antioxidative, protective effect against H<sub>2</sub>O<sub>2</sub> induced cytotoxicity, and cytotoxic activities of three different *Quercus* species**  
ŞÖHRETOĞLU D., SABUNCUOĞLU S., Harput U. S.  
FOOD AND CHEMICAL TOXICOLOGY, vol.50, no.2, pp.141-146, 2012 (Journal Indexed in SCI)
- XV. **Antioxidant secondary metabolites from *Geranium lasiopus* Boiss. & Heldr.**  
ŞÖHRETOĞLU D., Sakar M. K. , Sabuncuoglu S. A. , Ozgunes H., Duman H., Sterner O.  
NATURAL PRODUCT RESEARCH, vol.26, no.13, pp.1261-1264, 2012 (Journal Indexed in SCI)
- XVI. **Secondary Metabolites, Cytotoxic Response by Neutral Red Retention and Protective Effect Against H<sub>2</sub>O<sub>2</sub> Induced Cytotoxicity of *Sedum caespitosum***  
ŞÖHRETOĞLU D., SABUNCUOĞLU S.  
NATURAL PRODUCT COMMUNICATIONS, vol.7, no.1, pp.39-40, 2012 (Journal Indexed in SCI)
- XVII. **A New Acylated Neohesperidoside from *Geranium purpureum***  
ŞÖHRETOĞLU D., Liptaj T., Sakar M. K. , Sterner O.  
NATURAL PRODUCT COMMUNICATIONS, vol.6, no.9, pp.1321-1322, 2011 (Journal Indexed in SCI)
- XVIII. **Isoflavonoids, flavonoids and flavans from *Potentilla astracanica***  
ŞÖHRETOĞLU D., Sterner O.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.39, pp.666-668, 2011 (Journal Indexed in SCI)
- XIX. **Polyphenols from *Potentilla recta***  
ŞÖHRETOĞLU D., Kirmizibekmez H.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.39, no.2, pp.132-134, 2011 (Journal Indexed in SCI)
- XX. **Polyphenolic Constituents and Antioxidant Potential of *Geranium stepporum* Davis**  
ŞÖHRETOĞLU D., Sakar M. K. , Sabuncuoglu S. A. , Ozgunes H., Sterner O.  
RECORDS OF NATURAL PRODUCTS, vol.5, no.1, pp.22-28, 2011 (Journal Indexed in SCI)
- XXI. **Polyphenolic compounds from *Geranium purpureum* Vill. growing in Turkey**

- ŞÖHRETOĞLU D., Sakar M. K. , Sterner O.  
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.5, pp.809-814, 2011 (Journal Indexed in SCI)
- XXII. **Antioxidant Effects of Secondary Metabolites from Geranium psilostemon**  
ŞÖHRETOĞLU D., Sabuncuoglu S. A. , Sakar M. K. , Ozgunes H., Sterner O.  
NATURAL PRODUCT COMMUNICATIONS, vol.5, no.6, pp.899-902, 2010 (Journal Indexed in SCI)
- XXIII. **New Galloylated Flavonoid Glycosides from Geranium stepporum DAVIS**  
ŞÖHRETOĞLU D., Sakar M. K. , Sterner O.  
HELVETICA CHIMICA ACTA, vol.92, no.3, pp.520-524, 2009 (Journal Indexed in SCI)
- XXIV. **Antioxidant galloylated flavonoids from Geranium tuberosum L. subsp tuberosum**  
ŞÖHRETOĞLU D., Sakar M. K. , Sabuncuoglu S. A. , Oezgues H., Sterner O.  
TURKISH JOURNAL OF CHEMISTRY, vol.33, no.5, pp.685-692, 2009 (Journal Indexed in SCI)
- XXV. **Polyphenolic compounds and antimicrobial activity of Quercus aucheri leaves**  
Sakar M. K. , Sohretoglu D., Ozalp M. A. , Ekizoglu M., Piacente S., Pizza C.  
TURKISH JOURNAL OF CHEMISTRY, vol.29, no.5, pp.555-559, 2005 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Mantarlardan Elde Edilen Alkaloitler**  
Fendoğlu B., UZ A., ŞÖHRETOĞLU D.  
Mantar, 2018 (Other Refereed National Journals)
- II. **Assesment of Cytotoxic and Genotoxic Properties of Phenolic Compounds and Hydrolysable Tannins from Geranium psilostemon Ledeb**  
SABUNCUOĞLU S., mohammadi nejad s., ŞÖHRETOĞLU D.  
HACETTEPE UNIVERSITY JOURNAL OF THE FACULTY OF PHARMACY, 2017 (Other Refereed National Journals)
- III. **Beta Glukanlar ve İmmün sistem**  
ŞÖHRETOĞLU D., UZ A.  
Hacettepe University Journal of Faculty of Pharmacy, vol.35, pp.103-115, 2015 (Other Refereed National Journals)
- IV. **Assessment of Radical Scavenging Activities and Antiproliferative Properties of Two Cinquefoil Potentilla species with Their Phytochemical Contents**  
ŞÖHRETOĞLU D., ÜNAL z., SABUNCUOĞLU S.  
Acta Medica, pp.73-79, 2015 (Other Refereed National Journals)
- V. **Beta Glucans and Immun System**  
ŞÖHRETOĞLU D., UZ A.  
Hacettepe University Journal of Faculty of Pharmacy, vol.37, 2015 (Other Refereed National Journals)
- VI. **NMR atructural analysis of a novel triterpenoid saponin extracted from Bellis perennis L.**  
Stujber M., ŞÖHRETOĞLU D., Liptaj T.  
ACTA CHIMICA SLOVACA, vol.5, no.2, pp.169-175, 2012 (Journal Indexed in ESCI)
- VII. **Free Radical Scavenging and Antimicrobial Activities of Some Geranium Species**  
ŞÖHRETOĞLU D., EKİZOĞLU M., Özalp M., Sakar M.  
Hacettepe University, J. Faculty of Pharmacy, vol.28, no.2, pp.115-124, 2008 (Other Refereed National Journals)
- VIII. **MK Free Radical Scavenging and Antimicrobial Activities of Some Geranium Species**  
ŞÖHRETOĞLU D., EKİZOĞLU M., Özalp M., Mahmut Koray S.  
Hacettepe University Journal of Faculty Pharmacy, 2008 (Other Refereed National Journals)
- IX. **Antibacterial and Antifungal Activities of Some Quercus Species Growing in Turkey**  
ŞÖHRETOĞLU D., SAKAR M. K. , EKİZOĞLU M.  
Fabad Farmasötik Bilimler Ankara Dergisi, no.32, pp.127-130, 2007 (Refereed Journals of Other Institutions)
- X. **Free Radical Scavenging and Antimicrobial Activities of Three Geranium Species Growing in Turkey**  
ŞÖHRETOĞLU D., Sakar M. K. , EKİZOĞLU M., SAĞIROĞLU M.  
fabad farmasötik bilimler ankara dergisi, no.32, pp.59-63, 2007 (Refereed Journals of Other Institutions)
- XI. **POLYPHENOLIC CONSTITUENTS AND BIOLOGICAL ACTIVITIES OF QUERCUS SPECIES**

ŞÖHRETOĞLU D., SAKAR M. K.

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.3, no.33, pp.183-215, 2004 (International Refereed University Journal)

## Books & Book Chapters

- I. **Plant-Derived Antiinflammatory Steroid Analogs for Neuroprotection: A Recent Update.**  
ŞÖHRETOĞLU D., ARROO R.  
in: Discovery and Development of Neuroprotective Agents from Natural Products, Brahmachari, Goutam, Editor, Elsevier, pp.321-358, 2017
- II. **Capsella bursa-pastoris (Çoban çantası)**  
ŞÖHRETOĞLU D.  
in: FFD Monografıları Bitkiler ve Etkileri, Demirezer, L.Ö, Ersöz, T., Saracoğlu, İ., Şener, B., Köroğlu, A., Yalçın, F., Editor, Akademisyen Kitabevi, pp.219-222, 2017
- III. **Dietary Flavonoids and The Prevention of Degenerative Diseases**  
ŞÖHRETOĞLU D., RANDOLPH A.  
in: Recent Progress in Medicinal Plants Volume 40 Flavonoids and Antioxidants, Govil, JN., , Editor, Studium Press LLC, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Tyrosinase inhibition by a Rare Neolignan: An in vitro and in silico study**  
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.  
Internation Symposium on Medicinal Chemistry, 6 - 10 September 2018
- II. **Discovery of potent  $\alpha$ -glucosidase inhibitor flavonols: Insights into mechanism of action through inhibition kinetics and docking simulations**  
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.  
advances in Phytochemical Analysis (Trends in Natural Products Research), 2 - 05 July 2018
- III. **Anticancer Potential of Flavones**  
Arroo R., ŞÖHRETOĞLU D., Spandidos D., Vasilis A.  
. 2nd International Conference on Natural Products for Cancer Prevention and Therapy, 8 - 11 November 2017
- IV. **HPLC-DAD studies on different Turkish oaks as potential polydatin resource.**  
YÜZBAŞIOĞLU M., ŞÖHRETOĞLU D., UZ A.  
65th International Congress and Annual Meeting of the Society for Medicinal Plant Research, 3 - 07 September 2017
- V. **Ganoderma lucidum-Lingzhi or Reishi mushroom- and Cancer**  
ŞÖHRETOĞLU D., Huang S.  
Natural Products in Health, Agro-Food and Cosmetics-Trends in Natural Product Research PSE Young Scientists Meeting Lille, Lille, France, 28 June - 01 July 2017
- VI. **Nature s Gifts Polyphenols**  
ŞÖHRETOĞLU D.  
Trends in Natural Product Research: A Young Scientists Meeting of Phytochemical Society, Pulawy, Poland, 30 May - 02 June 2016
- VII. **Assessment of Cytotoxic and Genotoxic Potential of Isolated Compounds from Geranium psilostemon**  
ŞÖHRETOĞLU D., Solmaz N., SABUNCUOĞLU S.  
11th Internatioanl Symposium on the Chemistry of Natural Compounds, 1 - 04 October 2015
- VIII. **Assesment of Cytotoxic and Genotoxic Potential of Isolated Compounds from Geranium psilostemon**  
ŞÖHRETOĞLU D., mohammadi nejad s., SABUNCUOĞLU S.  
11th ISCNC, 1 - 04 October 2015

- IX. Comparative Evaluation of Phenolic Profile Antioxidative and Cytotoxic Activities of Different Geranium Species**  
ŞÖHRETOĞLU D., GENÇ Y., HARPUT Ü. Ş.  
11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
- X. In vitro Cytotoxic Effects of Some Tannins and Tannin Precursors**  
SABUNCUOĞLU S., ŞÖHRETOĞLU D.  
11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
- XI. Protective effects of Sedum caespitosum and its polyphenolic compounds against to H2O2 induced cytotoxicity**  
ŞÖHRETOĞLU D., SABUNCUOĞLU S.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, pp.1388-1389
- XII. Antioxidant activity of polyphenolic compounds and extracts from Geranium purpureum**  
SABUNCUOĞLU S., ŞÖHRETOĞLU D., Sakar M. K. , Ozgunes H.  
45th Congress of the European-Societies-of-Toxicology, Rhodes, Greece, 5 - 08 October 2008, vol.180
- XIII. Antimicrobial activity of phenolic compounds from Quercus aucheri leaves**  
Sakar K., ŞÖHRETOĞLU D., EKİZOĞLU M., ÖZALP M., Piacente S., Pizza C.  
3rd International Symposium On Natural Drugs, 2 - 04 October 2003
- XIV. Antimicrobial activities of different extracts from three Quersus species**  
Sakar K., ŞÖHRETOĞLU D., EKİZOĞLU M., ÖZALP M.  
7th International Symposium On Pharmaceutical Sciences (ISOPS), 24 - 27 June 2003

## Supported Projects

ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A., Project Supported by Higher Education Institutions, Bazı Flavonoitlerin alpha-Glukozidaz ve Tirosinaz Enzim İnhibitörü Etki Mekanizmalarının Kinetik ve Bilgisayarlı Modelleme Yöntemleriyle In vitro ve In Silico Araştırılması, 2018 - 2019

ŞÖHRETOĞLU D., Project Supported by Higher Education Institutions, Ganoderma lucidum polisakkaritlerinin everolimusun antikanser aktivitesine etkisi, 2015 - 2017

GÜRSOY R. N. , GÜMÜŞEL B., TÜYLÜ KÜÇÜKKILINÇ Z. T. , SABUNCUOĞLU S., ŞÖHRETOĞLU D., KILIÇ E., ÜNSAL TAN O., YABANOĞLU ÇİFTÇİ S., BAŞCI N. E. , AKSOY E. A. , et al, Project Supported by Higher Education Institutions, TS EN ISO/IEC 17025 Standardı kapsamında Hacettepe Üniversitesi Eczacılık Fakültesi İlaç ve Kozmetik Ar-Ge ve Kalite Kontrol Laboratuvarının (HÜNİKAL) Akreditasyonu Projesi, 2015 - 2016

ŞÖHRETOĞLU D., SABUNCUOĞLU S., Project Supported by Higher Education Institutions, Bazı Tanen ve Tanen Prekürsörlerinin Sitotoksik Potansiyellerinin Araştırılması, 2015 - 2015

ŞÖHRETOĞLU D., Project Supported by Higher Education Institutions, Sedum spurium L. Üzerinde Fitokimyasal ve Biyolojik Araştırmalar, 2014 - 2015

## Citations

Total Citations (WOS):284

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