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## International Researcher IDs

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Publons / Web Of Science ResearcherID: J-1064-2013

ScopusID: 8379990500

Yoksis Researcher ID: 106964

## Foreign Languages

English, C1 Advanced

## Research Areas

Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy, Health Sciences

## Academic Titles / Tasks

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2001 - 2011

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

- I. **In Vitro and in Silico Investigation of DNA Interaction, Topoisomerase I and II Inhibitory Properties of Polydatin**  
ŞÖHRETOĞLU D., BARUT B., SARI S., ÖZEL A., Kuruuzum-Uz A., Arroo R.  
CHEMISTRY & BIODIVERSITY, vol.19, no.10, 2022 (SCI-Expanded)
- II. **Immunomodulatory properties of triterpenes**  
RENDA G., GÖKKAYA İ., ŞÖHRETOĞLU D.  
PHYTOCHEMISTRY REVIEWS, vol.21, no.2, pp.537-563, 2022 (SCI-Expanded)
- III. **Multiple biological effects of secondary metabolites of Ziziphus jujuba: isolation and mechanistic insights through in vitro and in silico studies**  
ŞÖHRETOĞLU D., Bakir S. D., BARUT B., Soral M., SARI S.  
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.248, pp.1059-1067, 2022 (SCI-Expanded)
- IV. **Flavonoids as tyrosinase inhibitors in in silico and in vitro models: basic framework of SAR using a statistical modelling approach**  
Jakimiuk K., SARI S., Milewski R., Supuran C. T., ŞÖHRETOĞLU D., Tomczyk M.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.37, no.1, pp.421-430, 2022 (SCI-Expanded)
- V. **Alpha-glucosidase and tyrosinase inhibitor of polyphenols isolated from Potentilla speciosa var. speciosa: In vitro and in silico perspectives**  
Özgünseven A., BARUT B., Soral M., SARI S., AKAYDIN G., ÖZEL A., ŞÖHRETOĞLU D.

Industrial Crops and Products, vol.170, 2021 (SCI-Expanded)

- VI. **In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysoplenetin**  
Şöhretoğlu D., Barut B., Sari S., Özel A., Arroo R.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.163, pp.1053-1059, 2020 (SCI-Expanded)
- VII. **Medicinal natural products in osteoporosis**  
ŞÖHRETOĞLU D., RENDA G.  
MEDICINAL NATURAL PRODUCTS: A DISEASE-FOCUSED APPROACH, vol.55, pp.327-372, 2020 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. ***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 (SCI-Expanded)
- XII. **alpha-Glucosidase inhibitory effect of *Potentilla astracanic* 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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **Isoflavonoids, flavonoids and flavans from *Potentilla astracanica***  
ŞÖHRETOĞLU D., Sterner O.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.39, pp.666-668, 2011 (SCI-Expanded)
- XXIV. **Polyphenols from *Potentilla recta***  
ŞÖHRETOĞLU D., Kirmizibekmez H.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.39, no.2, pp.132-134, 2011 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- XXVIII. **Antioxidant galloylated flavonoids from *Geranium tuberosum* L. subsp. *tuberosum***  
ŞÖHRETOĞLU D., Sakar M. K., Sabuncuoglu S. A., Oezguenes H., Sterner O.  
TURKISH JOURNAL OF CHEMISTRY, vol.33, no.5, pp.685-692, 2009 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **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 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Isolation of a megastigman glycoside and an indol derivative from *Malva nicaeensis* All**  
RENDA G., Soral M., ŞÖHRETOĞLU D.  
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.5, pp.564-568, 2021 (ESCI)
- II. **Mantarlardan Elde Edilen Alkaloitler**  
Fendoğlu B., UZ A., ŞÖHRETOĞLU D.  
Mantar, 2018 (Peer-Reviewed Journal)
- III. **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 (Peer-Reviewed Journal)
- IV. **Beta Glukanlar ve İmmün sistem**  
ŞÖHRETOĞLU D., UZ A.

- Hacettepe University Journal of Faculty of Pharmacy, vol.35, pp.103-115, 2015 (Peer-Reviewed Journal)
- V. **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 (Peer-Reviewed Journal)
- VI. **Beta Glucans and Immun System**  
ŞÖHRETOĞLU D., UZ A.  
Hacettepe University Journal of Faculty of Pharmacy, vol.37, 2015 (Peer-Reviewed Journal)
- VII. **NMR structural 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 (ESCI)
- VIII. **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 (Peer-Reviewed Journal)
- IX. **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 (Peer-Reviewed Journal)
- X. **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 (Peer-Reviewed Journal)
- XI. **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 (Peer-Reviewed Journal)
- XII. **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 (Scopus)

## 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., BORA G., RENDA G., Çetin Ö., Project Supported by Higher Education Institutions, Quercus ponticanın HDAC İnhibitör Etki Mekanizmalarının In vitro ve In siliko Yöntemlerle Araştırılması, 2019 - 2022

ŞÖHRETOĞLU D., Özgünseven A., SARI S., Project Supported by Higher Education Institutions, Potentilla speciosa Willd

var speciosa Willd ve sekonder metabolitlerinin glukozidaz ve tirosinaz inhibitör etkilerinin araştırılması, 2020 - 2021  
ŞÖHRETOĞLU D., BARUT B., SARI S., ÖZEN A., Project Supported by Higher Education Institutions, Polidatin ve Kirsosplenetin DNA Bağlanma Modları Topoizomeraz Enzim İnhibitörü Etkilerinin In vitro ve In silico Araştırılması, 2018 - 2020

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

## Metrics

Publication: 76

Citation (WoS): 307

Citation (Scopus): 766

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H-Index (Scopus): 16