

# Prof. SİBEL SÜZEN

## Personal Information

Web: <https://avesis.ankara.edu.tr/sibel>

## International Researcher IDs

ORCID: 0000-0003-3413-6152

Yoksis Researcher ID: 5629

## Education Information

Doctorate, University of Wales, Eczacılık-Farmasötik Kimya, United Kingdom 1993 - 1997

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI) (Tezli), Turkey 1988 - 1990

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1981 - 1985

## Dissertations

Doctorate, Synthesis and hydrazinolysis of Some N-Substituted Dehydroalanine Derivatives, University of Wales, Eczacılık-Farmasötik Kimya, 1997

Postgraduate, Diabetik koşullarda katarakt oluşumuna neden olan aldoz redüktaz enzimini inhibe eden yeni hidantoin türevi bileşiklerin sentezleri ve enzimatik aktivitelerinin tayini üzerinde çalışmalar, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI) (Tezli), 1990

## Academic Titles / Tasks

Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2008 - Continues

Associate Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2002 - 2008

Research Assistant, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1987 - 2000

## Academic and Administrative Experience

Ankara University, 2019 - 2020

Ankara University, 2017 - 2020

Ankara University, 2012 - 2020

## Courses

Farmasötik Kimya I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

Hastane enfeksiyonlarına Karşı kullanılan heterosiklik bil., Undergraduate, 2018 - 2019

Tez Çalışması, Postgraduate, 2018 - 2019

PEPTİD KİMYASI I, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Araştırma Projesi I, Undergraduate, 2018 - 2019  
Pharmaceutical Chemistry I, Undergraduate, 2018 - 2019  
Araştırma Projesi Uygulama I, Undergraduate, 2018 - 2019  
Pharmaceutical Chemistry III, Undergraduate, 2018 - 2019  
Farmasötik Kimya Uygulama III, Undergraduate, 2018 - 2019  
Pharmaceutical Chemistry Pract I, Undergraduate, 2018 - 2019  
Peptid Kimyası II, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Antioksidan Kimyası, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

## Advising Theses

SÜZEN S., Melatonin analogu yeni indol türevi bileşiklerin sentezleri, antioksidan ve kemopreventif etkilerinin değerlendirilmesi, Postgraduate, K.DURGUN(Student), 2018  
SÜZEN S., Antimikrobiyal etkili yeni indol türevi bileşiklerin sentezleri ve biyolojik aktivitelerinin değerlendirilmesi, Postgraduate, Ö.ÖZTÜRK(Student), 2015  
SÜZEN S., Yeni indol türevi bileşiklerin sentezleri, yapısal analizleri, antioksidan aktivite sitotoksitesine ve kemoproventif etkilerinin değerlendirilmesi, Doctorate, H.SHİRİNZADEH(Student), 2014  
SÜZEN S., Melatonin analogu indol türevi yeni bileşiklerin sentezleri, yapı aydınlatmaları ve aktivitelerinin değerlendirilmesi, Postgraduate, A.DİDEM(Student), 2010  
SÜZEN S., İndol-amino asit türevi ilaç etken maddelerinin sentezleri ve biyolojik aktivitelerinin değerlendirilmesi, Postgraduate, S.SEZEN(Student), 2009  
SÜZEN S., Biyolojik önemi olan bazı yeni indol türevi bileşiklerin sentezlenmeleri, yapı aydınlatmaları ve antioksidan aktivitelerinin değerlendirilmesi, Postgraduate, A.GÖKÇE(Student), 2007

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

- I. **Assessing indole derivative molecules as dual acetylcholinesterase and butyrylcholinesterase inhibitors through In Vitro inhibition and molecular modelling studies**  
Alın Z., Şirinziade H., Kılınç N., DİLEK E., SÜZEN S.  
Journal of Molecular Structure, vol.1311, 2024 (SCI-Expanded)
- II. **Design, Synthesis, and Investigation of Anticancer and Antioxidant Potential of Novel Indole-Based Melatonin Analogues in Breast Cancer**  
Ince-Erguc E., Durgun K., Akdemir A., SÜZEN S., GÜRER ORHAN H.  
CHEMISTRYSELECT, vol.9, no.25, 2024 (SCI-Expanded)
- III. **Enzyme inhibitory potential of some indole Schiff bases on acetylcholinesterase and human carbonic anhydrase isoforms I and II enzymes: an in vitro and molecular docking study**  
Akman E., Şirinziade H., Ozguven S. Y., DİLEK E., SÜZEN S.  
Journal of Biomolecular Structure and Dynamics, 2023 (SCI-Expanded)
- IV. **Melatonin as mitochondria-targeted drug**  
SÜZEN S., Saso L.  
SENESCENCE, SENOTHERAPEUTICS AND MITOCHONDRIA, VOL. 136, pp.249-276, 2023 (SCI-Expanded)
- V. **A Pivotal Role of Nrf2 in Neurodegenerative Disorders: A New Way for Therapeutic Strategies**  
SÜZEN S., Tucci P., Profumo E., Buttari B., Saso L.  
PHARMACEUTICALS, vol.15, no.6, 2022 (SCI-Expanded)
- VI. **Short overview on the relevance of microRNA-reactive oxygen species (ROS) interactions and lipid peroxidation for modulation of oxidative stress-mediated signalling pathways in cancer treatment**  
ÜLKER Ö., Panieri E., SÜZEN S., Jaganjac M., Zarkovic N., Saso L.  
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.74, no.4, pp.503-515, 2022 (SCI-Expanded)
- VII. **In Vitro and In Silico Studies of Quinoline-2-Carbaldehyde Hydrazone Derivatives as Potent**

## **Antimicrobial Agents**

ÇELİK İ., EROL M., PÜSKÜLLÜ M. O., UZUNHİSARCIKLİ E., İNCE U., Kuyucuklu G., SÜZEN S.  
POLYCYCLIC AROMATIC COMPOUNDS, vol.42, no.4, pp.1942-1958, 2022 (SCI-Expanded)

- VIII. **Therapeutic Targeting of the NRF2 Signaling Pathway in Cancer**  
Telkoparan-Akillilar P., Panieri E., Cevik D., SÜZEN S., Saso L.  
MOLECULES, vol.26, no.5, 2021 (SCI-Expanded)
- IX. **New indole-7-aldehyde derivatives as melatonin analogues; synthesis and screening their antioxidant and anticancer potential**  
Shirinzadeh H., Neuhaus E., Erguc E. I., Aliyev A. T., GÜRER ORHAN H., SÜZEN S.  
BIOORGANIC CHEMISTRY, vol.104, 2020 (SCI-Expanded)
- X. **Novel effective antibacterial small-molecules against Staphylococcus and Enterococcus strains**  
Yasrebi K., Schade N., Adeniyi E. T., Wecklein B., Ymeraj A., Hertlein T., Ohlsen K., SÜZEN S., Lalk M., Stroehl D., et al.  
FUTURE MEDICINAL CHEMISTRY, vol.12, no.13, pp.1205-1211, 2020 (SCI-Expanded)
- XI. **The NRF2/KEAP1 Axis in the Regulation of Tumor Metabolism: Mechanisms and Therapeutic Perspectives**  
Panieri E., Telkoparan-Akillilar P., SÜZEN S., Saso L.  
BIOMOLECULES, vol.10, no.5, 2020 (SCI-Expanded)
- XII. **The Interaction of Flavonols with Membrane Components: Potential Effect on Antioxidant Activity**  
Saha S., Panieri E., SÜZEN S., Saso L.  
JOURNAL OF MEMBRANE BIOLOGY, vol.253, no.1, pp.57-71, 2020 (SCI-Expanded)
- XIII. **Chemistry and Pharmacology of Modulators of Oxidative Stress**  
Saso L., SÜZEN S., Borges F., Csont T.  
CURRENT MEDICINAL CHEMISTRY, vol.27, no.13, pp.2038-2039, 2020 (SCI-Expanded)
- XIV. **Bioisosteric modification on melatonin: synthesis of new naphthalene derivatives, in vitro antioxidant activity and cytotoxicity studies**  
Shirinzadeh H., Ghalia M., Tascioglu A., Adjali F. I., ÖZLİ G., GÜRER ORHAN H., SÜZEN S.  
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.56, 2020 (SCI-Expanded)
- XV. **Behaviour of 9-Ethyl-9H-carbazole Hydrazone Derivatives Against Oxidant Systems: Protective Effect on Amyloid beta-Induced Damage**  
Karaaslan C., Ince E., GÜRER ORHAN H., Tavakkoli M., Firuzi O., Saso L., SÜZEN S.  
CROATICA CHEMICA ACTA, vol.92, no.1, pp.87-94, 2019 (SCI-Expanded)
- XVI. **Aromatase inhibition by 2-methyl indole hydrazone derivatives evaluated via molecular docking and in vitro activity studies**  
Ozcan-Sezer S., Ince E., AKDEMİR A., Ceylan O. O., SÜZEN S., GÜRER ORHAN H.  
XENOBIOTICA, vol.49, no.5, pp.549-556, 2019 (SCI-Expanded)
- XVII. **Pharmacological Applications of Nrf2 Inhibitors as Potential Antineoplastic Drugs**  
Telkoparan-Akillilar P., SÜZEN S., Saso L.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.20, no.8, 2019 (SCI-Expanded)
- XVIII. **Antibacterial Evaluation of Novel Substituted Cycloheptaindoles in Staphylococcus and Enterococcus Strains**  
Hilgeroth A., Yasrebi K., SÜZEN S., Hertlein T., Ohlsen K., Lalk M.  
MEDICINAL CHEMISTRY, vol.15, no.8, pp.833-839, 2019 (SCI-Expanded)
- XIX. **The Role of Oxidative Stress Modulators in Breast Cancer**  
GÜRER ORHAN H., Ince E., Konyar D., Saso L., SÜZEN S.  
CURRENT MEDICINAL CHEMISTRY, vol.25, no.33, pp.4084-4101, 2018 (SCI-Expanded)
- XX. **Detection of Reactive Oxygen and Nitrogen Species by Electron Paramagnetic Resonance (EPR) Technique**  
SÜZEN S., GÜRER ORHAN H., Saso L.  
MOLECULES, vol.22, no.1, 2017 (SCI-Expanded)
- XXI. **"Organic Compounds as Modulators of Oxidative Stress: Chemical and Biological Aspects"**  
SÜZEN S., Saso L.

- CURRENT ORGANIC CHEMISTRY, vol.21, no.20, pp.2029, 2017 (SCI-Expanded)
- XXII. **Recent Studies and Biological Aspects of Substantial Indole Derivatives with Anti-cancer Activity**  
SÜZEN S.  
CURRENT ORGANIC CHEMISTRY, vol.21, no.20, pp.2068-2076, 2017 (SCI-Expanded)
- XXIII. **Novel indole-based melatonin analogues: Evaluation of antioxidant activity and protective effect against amyloid beta-induced damage**  
GÜRER ORHAN H., Karaaslan C., Ozcan S., Firuzi O., Tavakkoli M., Saso L., SÜZEN S.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.8, pp.1658-1664, 2016 (SCI-Expanded)
- XXIV. **Novel indole-based melatonin analogues substituted with triazole, thiadiazole and carbothioamides: studies on their antioxidant, chemopreventive and cytotoxic activities**  
Shirinzadeh H., Ince E., Westwell A. D., GÜRER ORHAN H., SÜZEN S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1312-1321, 2016 (SCI-Expanded)
- XXV. **Synthesis and evaluation of antioxidant activity of new quinoline-2-carbaldehyde hydrazone derivatives: bioisosteric melatonin analogues**  
PÜSKÜLLÜ M. O., Shirinzadeh H., Nenni M., GÜRER ORHAN H., SÜZEN S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.1, pp.121-125, 2016 (SCI-Expanded)
- XXVI. **Discovery of bisindolyl-substituted cycloalkane-anellated indoles as novel class of antibacterial agents against *S. aureus* and MRSA**  
El-Sayed M. T., SÜZEN S., ALTANLAR N., Ohlsen K., Hilgeroth A.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.26, no.1, pp.218-221, 2016 (SCI-Expanded)
- XXVII. **Novel inhibitors of the methicillin-resistant *Staphylococcus aureus* (MRSA)-pyruvate kinase**  
El-Sayed M. T., Zoraghi R., Reiner N., SÜZEN S., Ohlsen K., Lalk M., ALTANLAR N., Hilgeroth A.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1666-1671, 2016 (SCI-Expanded)
- XXVIII. **Evaluation of Synthetic Melatonin Analog Antioxidant Compounds**  
Suzen S.  
MELATONIN: THERAPEUTIC VALUE AND NEUROPROTECTION, pp.259-267, 2015 (SCI-Expanded)
- XXIX. **Melatonin, its Metabolites and its Synthetic Analogs as Multi-Faceted Compounds: Antioxidant, Prooxidant and Inhibitor of Bioactivation Reactions**  
GÜRER ORHAN H., SÜZEN S.  
CURRENT MEDICINAL CHEMISTRY, vol.22, no.4, pp.490-499, 2015 (SCI-Expanded)
- XXX. **Oxidative Stress as a Pharmacological Target for Medicinal Chemistry: Synthesis and Evaluation of Compounds with Redox Activity - Part 2**  
Borges F., Garrido J., Saso L., SÜZEN S.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.15, no.2, pp.84, 2015 (SCI-Expanded)
- XXXI. **Oxidative Stress as a Pharmacological Target for Medicinal Chemistry: Synthesis and Evaluation of Compounds with Redox Activity - Part 4**  
Borges F., Garrido J., Saso L., SÜZEN S.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.15, no.9, pp.821, 2015 (SCI-Expanded)
- XXXII. **Oxidative Stress as a Pharmacological Target for Medicinal Chemistry: Synthesis and Evaluation of Compounds with Redox Activity - Part 3**  
Borges F., Garrido J., Saso L., SÜZEN S.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.15, no.5, pp.414, 2015 (SCI-Expanded)
- XXXIII. **Antioxidant Properties of Melatonin and its Potential Action in Diseases**  
Karaaslan C., SÜZEN S.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.15, no.9, pp.894-903, 2015 (SCI-Expanded)
- XXXIV. **Oxidative Stress as a Pharmacological Target for Medicinal Chemistry: Synthesis and Evaluation of Compounds with Redox Activity - Part 1**  
Borges F., Saso L., Garrido J., SÜZEN S.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.14, no.22, pp.2461, 2014 (SCI-Expanded)

- XXXV. **Synthesis, Evaluation and Pharmacological Applications of Antioxidants- Part 2**  
Borges F., Saso L., Garrido J., SÜZEN S.  
CURRENT MEDICINAL CHEMISTRY, vol.20, no.37, pp.4647, 2013 (SCI-Expanded)
- XXXVI. **Oxidative Stress in Carcinogenesis: New Synthetic Compounds with Dual Effects Upon Free Radicals and Cancer**  
Tekiner-Gulbas B., Westwell A. D., SÜZEN S.  
CURRENT MEDICINAL CHEMISTRY, vol.20, no.36, pp.4451-4459, 2013 (SCI-Expanded)
- XXXVII. **Antioxidant activity of indole-based melatonin analogues in erythrocytes and their voltammetric characterization**  
Süzen S., Tekiner-Gulbas B., Shirinzadeh H., Uslu D., Gürer Orhan H., Gümüştas M., Özkan S. A.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.28, no.6, pp.1143-1155, 2013 (SCI-Expanded)
- XXXVIII. **Synthesis, Evaluation and Pharmacological Applications of Antioxidants-Part 1**  
Borges F., Saso L., Garrido J., SÜZEN S.  
CURRENT MEDICINAL CHEMISTRY, vol.20, no.36, pp.4435, 2013 (SCI-Expanded)
- XXXIX. **Antioxidant heterocyclic compounds in drug discovery and medicinal chemistry**  
SÜZEN S., Saso L.  
Mini-Reviews in Medicinal Chemistry, vol.13, no.3, pp.317, 2013 (SCI-Expanded)
- XL. **Synthesis and antioxidant properties of substituted 2-phenyl-1H-indoles**  
Karaaslan C., Kadri H., ÇOBAN T., SÜZEN S., Westwell A. D.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.23, no.9, pp.2671-2674, 2013 (SCI-Expanded)
- XLI. **Melatonin and synthetic analogs as antioxidants**  
SÜZEN S.  
Current Drug Delivery, vol.10, no.1, pp.71-75, 2013 (SCI-Expanded)
- XLII. **Recent Studies of Antioxidant Quinoline Derivatives**  
PÜSKÜLLÜ M. O., Tekiner B., SÜZEN S.  
MINI-REVIEWS IN MEDICINAL CHEMISTRY, vol.13, no.3, pp.365-372, 2013 (SCI-Expanded)
- XLIII. **Synthesis and antioxidant activity evaluations of melatonin-based analogue indole-hydrazide/hydrazone derivatives**  
Yılmaz A. D., ÇOBAN T., SÜZEN S.  
Journal of Enzyme Inhibition and Medicinal Chemistry, vol.27, no.3, pp.428-436, 2012 (SCI-Expanded)
- XLIV. **Synthesis and comparison of antioxidant properties of indole-based melatonin analogue indole amino acid derivatives**  
SÜZEN S., Cihaner S. S., ÇOBAN T.  
Chemical Biology and Drug Design, vol.79, no.1, pp.76-83, 2012 (SCI-Expanded)
- XLV. **Evaluation of rat kidney aldose reductase inhibitory activity of some N-acetyl dehydroalanine derivatives**  
Das-Evcimen N., Sarikaya M., Gurkok G., SÜZEN S.  
Medicinal Chemistry Research, vol.20, no.4, pp.453-460, 2011 (SCI-Expanded)
- XLVI. **Investigation of triacetin effect on indomethacin release from poly(methyl methacrylate) microspheres: Evaluation of interactions using FT-IR and NMR spectroscopies**  
YÜKSEL N., Baykara M., Shirinzade H., SÜZEN S.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.404, no.1-2, pp.102-109, 2011 (SCI-Expanded)
- XLVII. **Antimicrobial evaluation of indole-containing hydrazone derivatives**  
Shirinzadeh H., ALTANLAR N., YÜCEL N., Ozden S., SÜZEN S.  
Zeitschrift fur Naturforschung - Section C Journal of Biosciences, vol.66 C, no.7-8, pp.340-344, 2011 (SCI-Expanded)
- XLVIII. **Combination of Electrochemical, Spectrometric and Other Analytical Techniques for High Throughput Screening of Pharmaceutically Active Compounds**  
SÜZEN S., ÖZKAN S. A.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.13, no.7, pp.658-664, 2010 (SCI-Expanded)

- XLIX. Electrochemical Behavior of Indole-3-Carboxaldehyde Isonicotinoyl Hydrazones: Discussion on Possible Biological Behavior**  
Shirinzadeh H., Yilmaz A. D., Gümüştas M., Süzen S., Ozden S., Özkan S. A.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.13, no.7, pp.619-627, 2010 (SCI-Expanded)
- L. Novel indole-based analogs of melatonin: Synthesis and in vitro antioxidant activity studies**  
Shirinzadeh H., Eren B., Gurer-Orhan H., Suzen S., Özden S.  
Molecules, vol.15, no.4, pp.2187-2202, 2010 (SCI-Expanded)
- LI. Melatonin analogue new indole hydrazide/hydrazone derivatives with antioxidant behavior: Synthesis and structure-activity relationships**  
Gurkok G., ÇOBAN T., SÜZEN S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.24, no.2, pp.506-515, 2009 (SCI-Expanded)
- LII. Investigation of Antimicrobial Activities of Indole-3-Aldehyde Hydrazide/Hydrazone Derivatives**  
Gurkok G., ALTANLAR N., SÜZEN S.  
CHEMOTHERAPY, vol.55, no.1, pp.15-19, 2009 (SCI-Expanded)
- LIII. Screening and evaluation of antioxidant activity of some pyridazine derivatives**  
Caliskan-Erguen B., Suekueroglu M., ÇOBAN T., BANOĞLU E., SÜZEN S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.23, no.2, pp.225-229, 2008 (SCI-Expanded)
- LIV. Preliminary evaluation of rat kidney aldose reductase inhibitory activity of 2-phenylindole derivatives: affiliation to antioxidant activity**  
SÜZEN S., Das-Evcimen N., Varol P., Sarikaya M.  
MEDICINAL CHEMISTRY RESEARCH, vol.16, no.3, pp.112-118, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. The effects of melatonin and its analogues on steroidogenesis pathway: a possible therapeutical or adverse effect**  
Aglamis Z., Entezari B., SÜZEN S., GÜRER ORHAN H.  
Journal of Research in Pharmacy, vol.27, no.2, pp.936-947, 2023 (Scopus)
- II. ALTERATIONS OF ALDOSE REDUCTASE ACTIVITY BY INDOLE-3- CARBOXALDEHYDE DERIVATIVES**  
KURŞUN O. E., SÜZEN S., YILDIRIM Ö.  
Communications/ Faculty of Sciences University of Ankara Series C: Biology and Geological Engineering and Geophysical Engineering, vol.30, no.1, pp.13-24, 2021 (Peer-Reviewed Journal)
- III. Antimicrobial Activities of New Indole Derivatives Containing 1,2,4-Triazole, 1,3,4-Thiadiazole and Carbothioamide**  
Shirinzadeh H., SÜZEN S., ALTANLAR N., Westwell A. D.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.15, no.3, pp.291-297, 2018 (ESCI)
- IV. New Antioxidant Drug Development Studies on Neurohormone Melatonin and Synthetic Analogues**  
Yilmaz A. D., KARAASLAN Ç., Shirinzadeh H., SÜZEN S., Özcan S., GÜRER ORHAN H.  
Academic Journal of Science., vol.3, no.2, pp.51-56, 2014 (Peer-Reviewed Journal)
- V. Rat Lung Aldose Reductase Inhibition Capacity of Substituted Indole Hydrazide Hydrazone Derivatives Sübstütüe Indol Hidrazit Hidrazon Türevlerinin Rat Akciger Aldoz Redüktazini Inhibe Etme Kapasiteleri**  
EVCİMEN N., Sarikaya M., KARAASLAN Ç., Yilmaz A. D., Shirinzadeh H., SÜZEN S.  
FABAD Journal of Pharmaceutical Sciences, vol.37, no.4, pp.169-174, 2012 (Scopus)
- VI. Rat lung aldose reductase inhibition capacity of substituted indole hydrazide/hydrazone derivatives**  
Das-Evcimen N., Sarikaya M., Karaaslan C., Yilmaz A. D., Shirinzadeh H., SÜZEN S.  
Fabad Journal of Pharmaceutical Sciences, vol.37, no.4, pp.169-174, 2012 (Scopus)
- VII. Electrochemical Behavior of Biologically Important Indole Derivatives**  
KARAASLAN Ç., SÜZEN S.  
International Journal of Electrochemistry, vol.2011, pp.1-10, 2011 (ESCI)

- VIII. **İndol türevi yeni bir bileşik ile sıçanlarda radyasyon nefropatisinin engellenmesi**  
ÖZTÜRK D., SABUNCUOĞLU B., SÜZEN S., YILDIRIM B.  
Cumhuriyet Üniv. Tıp Fak. Dergisi, vol.26, no.3, pp.107-112, 2004 (Peer-Reviewed Journal)
- IX. **Oxidative damage in the central nervous system and protection by melatonin Santral sinir sisteminin oksidatif hasari ve melatonin tarafından korunması**  
ALAGÖZ Z., SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.30, no.3, pp.47-62, 2001 (Scopus)
- X. **Investigations on the effect of base and solvents on the elimination of p-toluene sulphonyl group in the synthesis of dehydroalanine**  
SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.30, no.1, pp.17-25, 2001 (Scopus)
- XI. **Oxidative damage in the central nervous system and protection by melatonin**  
ALAGÖZ Z., SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.30, no.3, pp.47-62, 2001 (Scopus)
- XII. **Synthesis and analytical evaluation by voltammetric studies of some new indole 3 propionic acid derivatives**  
SÜZEN S., ATEŞ ALAGÖZ Z., DEMİRCİGİL B., ÖZKAN S. A.  
Il Farmaco, vol.56, no.11, pp.834-840, 2001 (Peer-Reviewed Journal)
- XIII. **Structure activity relationships of melatonin analogues**  
ALAGÖZ Z., SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.30, no.4, pp.41-52, 2001 (Scopus)
- XIV. **Antioxidant activities of indole and benzimidazole derivatives**  
SÜZEN S., ALAGÖZ Z., PUSKULLU M.  
Fabad Journal of Pharmaceutical Sciences, vol.25, no.3, pp.113-119, 2000 (Scopus)
- XV. **The role of dehydroalanines in enzyme and peptide chemistry**  
SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.28, no.2, pp.129-141, 1999 (Scopus)
- XVI. **The characterisation of the carbohydrate moieties of glycoproteins and the role of hydrazinolysis**  
SÜZEN S.  
Fabad Journal of Pharmaceutical Sciences, vol.24, no.4, pp.233-239, 1999 (Scopus)
- XVII. **Radioprotective agents in the treatment of cancer and the role of amifostine**  
SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.28, no.2, pp.117-128, 1999 (Scopus)

## **Books & Book Chapters**

- I. **Melatonin and Its Antiaging Activity: New Approaches and Strategies for Age-Related Disorders**  
SÜZEN S.  
in: Molecular Basis and Emerging Strategies for Anti-aging Interventions, Syed Ibrahim Rizvi, Ufuk Çakatay, Editor, Springer, pp.217-236, 2018
- II. **In Vitro Methods for the Evaluation of Oxidative Stress**  
GÜRER ORHAN H., SÜZEN S., Csont T. B., Pohanka M., Bozena N., Grezegorz W., SASO L.  
in: Recent Advances in Analytical Techniques Vol. 2, Novel Developments in Pharmaceutical and Biomedical Analysis, Editor, Bentham, pp.131-172, 2018
- III. **Türk Farmakopesi-II Monograflar**  
ÖZKAN Y., İŞCAN G. S., SARAÇ TARHAN S., ÖZKAN S. A., AYDIN A., SÜZEN H. S., SÜZEN S., KÜÇÜKGÜZEL İ., YÜKSEL N., ARICA YEGİN B., et al.  
Anıl Reklam Matbaa LTD.ŞTİ., 2017
- IV. **TÜRK FARMAKOPESİ-II MONOGRAFLAR (Avrupa Farmakopesi Adaptasyonu) - 2016**  
ÖZKAN Y., SALTAN H. G., SARAÇ TARHAN S., ÖZKAN S. A., AYDIN A., SÜZEN H. S., KÜÇÜKGÜZEL İ., SÜZEN S., YÜKSEL

N., ARICA YEGİN B., et al.

T.C. Sağlık Bakanlığı Türkiye ilaç ve Tıbbi Cihaz Kurumu, Ankara, 2016

- V. **Türk Farmakopesi II - Avrupa Farmakopesi Adaptasyonu**  
YÜKSEL N., ÖZKAN S. A., ÖZKAN Y., KILIÇARSLAN M., SÜZEN S., SALTAN H. G., BEŞİKÇİ A., SARAÇ TARHAN S., AYDIN A., SÜZEN S., et al.  
Anıl Reklam Matbaa Ltd. Şti. / Ankara, 2016
- VI. **Evaluation of synthetic melatonin analog antioxidant compounds**  
SÜZEN S.  
in: Melatonin Therapeutic Value and Neuroprotection, Srinivasan V, Gobbi G, Shillcutt S.D, Suzen S, Editor, Taylor & Francis,, pp.259-269, 2014
- VII. **Medicinal and Pharmaceutical Applications and prospects of Electrochemistry**  
SÜZEN S., ÖZKAN S. A.  
in: Electroanalytical Methods in Pharmaceutical Analysis and Their Validation, Sibel Aysıl Özkan, Editor, NHB Publishing, pp.255-284, 2011
- VIII. **Antioxidant Activities of Synthetic Indole Derivatives and Possible Activity Mechanisms**  
SÜZEN S.  
in: Topics in Heterocyclic Chemistry Bioactive Heterocycles V, Khan, M.T.H. , Editor, Springer-Verlag Berlin Heidelberg, pp.145-178, 2007

## Refereed Congress / Symposium Publications in Proceedings

- I. **Cytotoxic Effect of Novel 1-Ethyl and 2-Methyl Indole Derivatives on Breast Cancer Cells: ER and Aromatase as Their Potential Therapeutic Targets**  
İNCE E., TAŞCIOĞLU ALİYEV A., DURGUN K., AKDEMİR A., SÜZEN S., GÜRER ORHAN H.  
6th International BAU Drug Design Congress, 13 - 15 December 2018
- II. **ANTI-BACTERIAL AND ANTI-FUNGAL PROPERTIES OF INDOLE-HYDRAZONE DERIVATIVES .**  
SHİRİNZADEH H., ALTANLAR N., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- III. **Antioxidant Properties Of New Melatonin Analogues: Synthesis And In Vitro Biological Activity Studies**  
ŞİRİNZADE H., KARAASLAN Ç., EREN B., GÜRER ORHAN H., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- IV. **ANTIOXIDANT PROPERTIES OF CARBAZOLE DERIVATIVES EVALUATION OF THE ACTIVITY ON AMYLOID B-INDUCED DAMAGE**  
KARAASLAN Ç., İNCE E., tavakkoli m., FİRUZİ O., GÜRER ORHAN H., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- V. **ANTIOXIDANT PROPERTIES OF NEW MELATONIN ANALOGUES: SYNTHESIS AND IN VITRO BIOLOGICAL ACTIVITY STUDIES**  
ÖZTÜRK CEYLAN Ö., KARAASLAN Ç., ALTANLAR N., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- VI. **EVALUATION OF MELATONIN AND NEW SYNTHETIC ANALOGUES AS ANTIOXIDANT AND CYP1 INHIBITOR**  
KARAASLAN Ç., NEUHAUS E., İNCE E., TASCIOGLU A., SHİRİNZADEH H., GÜRER ORHAN H., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- VII. **ANTIMICROBIAL EVALUATION OF 2-METHYLINDOLE-HYDRAZONE DERIVATIVES**  
ÖZTÜRK CEYLAN Ö., KARAASLAN Ç., ALTANLAR N., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- VIII. **SYNTHESIS AND EVALUATION OF ANTIOXIDANT ACTIVITY OF MELATONIN ANALOGUE NEW INDOLE DERIVATIVES**  
ÖZTÜRK CEYLAN Ö., KARAASLAN Ç., ALTANLAR N., SÜZEN S.



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

- IX. **Anti-Bacterial And Anti-Fungal Properties Of Indole-Hydrazone Derivatives**  
ŞİRİNZADE H., ALTANLAR N., SÜZEN S.  
12th International Symposium on Pharmaceutical Sciences (ISOPS). 26-29 June 2018. ANKARA/TURKEY, 26 - 29 June 2018
- X. **Design and discovery of novel melatonin analogues as CYP1B1 inhibitors**  
İNCE E., KARAASLAN Ç., AKDEMİR A., SÜZEN S., GÜRER ORHAN H.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 October 2017
- XI. **New carbazole derivatives in oxidant systems and protection on amyloid  $\beta$ -induced damage**  
KARAASLAN Ç., İNCE E., GÜRER ORHAN H., TAVAKKOLİ M., Firuzi O., saso L., SÜZEN S.  
ESPT-2017, 4 - 07 October 2017
- XII. **Targets for anticancer drugs in estrogen-induced carcinogenesis**  
GÜRER ORHAN H., Ince E., Ozcan S., Shirinzadeh H. H., SÜZEN S.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XIII. **From neurohormone melatonin to new synthetic analogues antioxidant properties and CYP1 inhibition.**  
Neuhaus E., İNCE E., KARAASLAN Ç., Taşcıoğlu E., SHIRINZADEH H., GÜRER ORHAN H., SÜZEN S.  
ESPT-2017, 4 - 07 July 2017
- XIV. **How We Manage to Rescue Erasmus Exchange Students From Isolation**  
SÜZEN S., ÇÖRTOĞLU F. S., HOŞNUT O.  
Erasmus Congress and Exhibition, Maribor, Slovenia, 9 - 13 May 2017
- XV. **Design and synthesis of novel indole based melatonin analogues substituted with triazole studies on their antioxidant cytotoxic and antifungal activities**  
Shirinzadeh H., İNCE E., Westwell A., ALTANLAR N., GÜRER ORHAN H., SÜZEN S.  
Youngchem 2016 International Congress of Young Chemist, 5 - 09 October 2016
- XVI. **CYP1B1 AS A THERAPEUTIC TARGET FOR ANTICANCER DRUGS**  
İNCE E., Taşcıoğlu A., KARAASLAN Ç., Bilardi N., SÜZEN S., GÜRER ORHAN H.  
2nd International Congress of Forensic Toxicology= FORETOX, 26 - 30 May 2016
- XVII. **A STUDY ON THE CONTRIBUTIONS OF FACULTY OF PHARMACY TO POSTGRADUATE EDUCATION WITH THE JOB TRAINING PROGRAM AND OPINION OF GRADUATES ON THAT PROGRAM**  
ÖZÇELİKAY G., Ateş Alagöz Z., SÜZEN S., COŞKUN M.  
22nd EAFP Annual Conference, 12 - 14 May 2016
- XVIII. **Pharm D ve Yurtdışı eğitimi**  
SÜZEN S.  
Pharmankara Ulusal Eczacılık Öğrenci Kongresi, Turkey, 29 - 20 April 2016
- XIX. **Structure activity relationship of antioxidant cytotoxic and chemopreventive activities of 5-methoxyindole 3-aldehyde hydrazones and indole 7-aldehydehydrazones**  
İNCE E., Taşcıoğlu A., KARAASLAN Ç., Bilardi N., SÜZEN S., GÜRER ORHAN H.  
TURKHELTOX, Çeşme, İzmir, 21 - 24 October 2015
- XX. **Behavior of new indole based compounds against free radicals with chemopreventive activity**  
SÜZEN S.  
Workshop on Biochemistry, Physiology And Pharmacology of Oxidative Stress, 2 - 04 July 2015
- XXI. **Indole based analogs of melatonin protect neuronal cells against amyloid beta induced damage**  
Omidreza F., KARAASLAN Ç., Tavakkoli M., SÜZEN S., Luciano S.  
Biochemistry, Physiology and Pharmacology of Oxidative Stress Workshop, 2 - 04 July 2015
- XXII. **Evaluation of in vitro cytotoxic and antioxidant activity of indole 7-carboxyaldehyde hydrazones**  
Taşcıoğlu A., İNCE E., KARAASLAN Ç., Neuhouse E., SÜZEN S., GÜRER ORHAN H.  
TURKHELTOX, Çeşme, İzmir, 21 - 24 October 2015
- XXIII. **Comparison of Antioxidant And Cytotoxic Activities of 5-Methoxyindole 3-Aldehyde Hydrazones and Indole 7-Aldehyde Hydrazones**

İNCE E., Taşcıoğlu A., KARAASLAN Ç., SÜZEN S., GÜRER ORHAN H.

International Symposium on Pharmaceutical Sciences, ISOPS-11, Ankara, 9 - 12 June 2015

XXIV. **Actions of Ankara university for improving the social dimension of Erasmus**  
SÜZEN S.

ERASMUS CONGRESS AND EXHIBITION – ERACON 2015, 13 - 17 May 2015

XXV. **Comparison of antioxidant activities of newly synthesized melatonin analogues**

Ozcan S., Uslu D., Karaaslan C., Shrinzadeh H., SÜZEN S., GÜRER ORHAN H.

49th Congress of the European Societies of Toxicology (EUROTOX), Interlaken, Switzerland, 1 - 04 September 2013, vol.221

XXVI. **Investigation on electrochemical behavior of indole-hydrazones**

ŞİRİNZADEH H., TEKİNER GÜLBAŞ P. B., Yılmaz A. D., GÜMÜŞTAŞ M., ÖZKAN S. A., SÜZEN S.

10th International Symposium on Pharmaceutical Sciences (ISOPS-10), Ankara, Turkey, 26 - 29 June 2012

XXVII. **. synthesis and investigation of electrochemical behaviour of N-methylindole-3-carboxaldehyde  
isonicotinoyl hydrazone**

ŞİRİNZADE H., GÜMÜŞTAŞ M., SÜZEN S., ÖZKAN S. A., ÖZDEN M. S.

9 th International Symposium on Pharmaceutical Sciences (ISOPS-9), 23 - 26 June 2009

XXVIII. **Synthesis and investigation of electrochemical behaviour of n-methylindole-3-carboxaldehyde  
isonicotinoyl hydrazone**

ŞİRİNZADEH H., GÜMÜŞTAŞ M., SEÇKİN Ö., SÜZEN S., ÖZKAN S. A.

9th International Symposium on Pharmaceutical Sciences (ISOPS-9), Ankara, Turkey, 23 June - 26 May 2009

## Activities in Scientific Journals

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, Scientific Committee Membership, 2019 - Continues

## Metrics

Publication: 110

Citation (WoS): 799

Citation (Scopus): 1067

H-Index (WoS): 18

H-Index (Scopus): 21