

# Prof. SİBEL SÜZEN

## Personal Information

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## 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

### Postgraduate

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

Tez Çalışması, Postgraduate, 2018 - 2019

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

Peptid Kimyası II, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

Antioksidan Kimyası, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

### Undergraduate

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

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

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

## Supervised 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 sitotoksikite ve kemopreventif 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., Kılınc 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, vol.42, no.22, pp.12011-12020, 2024 (SCI-Expanded)
- IV. **In Vitro Evaluation of Endocrine-Related Adverse Effects of 5-Fluoroindole Derived Melatonin Analogues with Antioxidant Activity**  
Ince-Erguc E., FATULLAYEV H., Entezari B., TEKİNER GÜLBAŞ P. B., SÜZEN S., GÜRER ORHAN H.  
Chemistry and Biodiversity, 2024 (SCI-Expanded)
- V. **A Review of the Potential of Nuclear Factor [erythroid-derived 2]-like 2 Activation in Autoimmune Diseases**  
Ateş İ., Yılmaz A. D., Buttari B., Arese M., Sazo L., Süzen S.  
BRAIN SCIENCES, vol.13, no.11, pp.1532, 2023 (SCI-Expanded)
- VI. **Melatonin as mitochondria-targeted drug**

SÜZEN S., Saso L.

SENESCENCE, SENOTHERAPEUTICS AND MITOCHONDRIA, VOL. 136, pp.249-276, 2023 (SCI-Expanded)

VII. **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)

VIII. **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)

IX. **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)

X. **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)

XI. **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)

XII. **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)

XIII. **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)

XIV. **Potential Applications of NRF2 Modulators in Cancer Therapy**

Panieri E., Buha A., Telkoparan-Akillilar P., Cevik D., Kouretas D., Veskoukis A., Skaperda Z., Tsatsakis A., Wallace D., SÜZEN S., et al.

ANTIOXIDANTS, vol.9, no.3, 2020 (SCI-Expanded)

XV. **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)

XVI. **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)

XVII. **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)

XVIII. **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)

XIX. **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)

XX. **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)

- XXI. **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)
- XXII. **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)
- XXIII. **"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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **Evaluation of Synthetic Melatonin Analog Antioxidant Compounds**  
Suzen S.  
MELATONIN: THERAPEUTIC VALUE AND NEUROPROTECTION, pp.259-267, 2015 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **Antioxidant activity of indole-based melatonin analogues in erythrocytes and their voltammetric characterization**  
Süzen S., Tekiner-Gulbas B., Shirinzadeh H., Uslu D., Güreer Orhan H., Gümüştas M., Özkan S. A.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.28, no.6, pp.1143-1155, 2013 (SCI-Expanded)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **Melatonin and synthetic analogs as antioxidants**  
SÜZEN S.  
Current Drug Delivery, vol.10, no.1, pp.71-75, 2013 (SCI-Expanded)
- XLV. **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)
- XLVI. **Synthesis and antioxidant activity evaluations of melatonin-based analogue indole-hydrazide/hydrazone derivatives**  
Yilmaz A. D., ÇOBAN T., SÜZEN S.  
Journal of Enzyme Inhibition and Medicinal Chemistry, vol.27, no.3, pp.428-436, 2012 (SCI-Expanded)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- LI. **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)
- LII. **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)
- LIII. **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)
- LIV. **Investigation of Antimicrobial Activities of Indole-3-Aldehyde Hydrazone Derivatives**  
Gurkok G., ALTANLAR N., SÜZEN S.  
CHEMOTHERAPY, vol.55, no.1, pp.15-19, 2009 (SCI-Expanded)
- LV. **Melatonin analogue new indole 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)
- LVI. **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)
- LVII. **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. **EVALUATING THE ROLE OF MELATONIN ON THYROID PHYSIOLOGY AND DISEASES**  
CEYLAN Ö. Ö., YILMAZ B., SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.3, pp.1281-1292, 2024 (Scopus)
- II. **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)
- III. **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)
- IV. **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)

- V. **New Antioxidant Drug Development Studies on Neurohormone Melatonin and Synthetic Analogues**  
Yılmaz 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)
- VI. **Rat Lung Aldose Reductase Inhibition Capacity of Substituted Indole Hydrazone Derivatives**  
**Süstitüe Indol Hidrazit Hidrazon Türevlerinin Rat Akciger Aldoz Redüktazini İnhibe Etme Kapasiteleri**  
EVCİMEN N., Sarıkaya M., KARAASLAN Ç., Yılmaz A. D., Shirinzadeh H., SÜZEN S.  
FABAD Journal of Pharmaceutical Sciences, vol.37, no.4, pp.169-174, 2012 (Scopus)
- VII. **Rat lung aldose reductase inhibition capacity of substituted indole hydrazone derivatives**  
Das-Evcimen N., Sarıkaya M., Karaaslan C., Yılmaz A. D., Shirinzadeh H., SÜZEN S.  
Fabad Journal of Pharmaceutical Sciences, vol.37, no.4, pp.169-174, 2012 (Scopus)
- VIII. **Electrochemical Behavior of Biologically Important Indole Derivatives**  
KARAASLAN Ç., SÜZEN S.  
International Journal of Electrochemistry, vol.2011, pp.1-10, 2011 (ESCI)
- IX. **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)
- X. **Oxidative damage in the central nervous system and protection by melatonin**  
**Santral sinir sisteminin oksidatif hasarı ve melatonin tarafından korunması**  
ALAGÖZ Z., SÜZEN S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.30, no.3, pp.47-62, 2001 (Scopus)
- XI. **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)
- XII. **Oxidative damage in the central nervous system and protection by melatonin**  
ALAGÖZ Z., SÜZEN S.  
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- XIII. **Synthesis and analytical evaluation by voltammetric studies of some new indole 3 propionic acid derivatives**  
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- IV. **ANTIOXIDANT PROPERTIES OF NEW MELATONIN ANALOGUES: SYNTHESIS AND IN VITRO BIOLOGICAL ACTIVITY STUDIES**

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