

Assoc. Prof. MİYASE GÖZDE GÜNDÜZ

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, Turkey 2006 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kalsiyum modülatör etkili tiyenopiridin ve siklopentapiridin türevleri, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), 2012

Post Graduate, 7-süstitüe heksahidrokinolin türevleri ve kalsiyum kanalları üzerine etkileri, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2006

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

Academic Titles / Tasks

Associate Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2017 - Continues

Assistant Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2015 - 2017

Research Assistant, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2004 - 2015

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

- I. **1,3-Disubstituted urea derivatives: Synthesis, antimicrobial activity evaluation and in silico studies**
GÜNDÜZ M. G., Uğur S. B., Güney F., Özkul C., Krishna V. S., Kaya S., Sriram D., DOĞAN Ş. D.
Bioorganic Chemistry, vol.102, 2020 (Journal Indexed in SCI Expanded)
- II. **Design and synthesis of thiourea-based derivatives as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors**
DOĞAN Ş. D., GÜNDÜZ M. G., Dogan H., Krishna V. S., Lherbet C., Sriram D.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.199, 2020 (Journal Indexed in SCI)
- III. **M3, a 1,4-Dihydropyridine Derivative and Mixed L-/T-Type Calcium Channel Blocker, Attenuates Isoproterenol-Induced Toxicity in Male Wistar Rats**
Kale O. E., GÜNDÜZ M. G., Ogunbiyi B. T., Ogundare T. F., Ekor M., Awodele O.
CARDIOVASCULAR TOXICOLOGY, 2020 (Journal Indexed in SCI)

- IV. **Discovery of hydrazone containing thiadiazoles as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors**
Dogan H., DOĞAN Ş. D. , GÜNDÜZ M. G. , Krishna V. S. , Lherbet C., Sriram D., Sahin O., Saripmar E.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.188, 2020 (Journal Indexed in SCI)
- V. **Molecular dynamics, viscoelastic properties and physical stability studies of a new amorphous dihydropyridine derivative with T-type calcium channel blocking activity**
Knapik-Kowalczyk J., GÜNDÜZ M. G. , Chmiel K., Jurkiewicz K., Kurek M., Tajber L., Jachowicz R., Paluch M.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.141, 2020 (Journal Indexed in SCI)
- VI. **Electrochemical Studies of Newly Synthesized 1,4-Dihydropyridine-Based Hexahydroquinoline Derivatives**
Tavakkoli Z., Goljani H., GÜNDÜZ M. G. , Tahir M. N. , Nematollahi D.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.167, 2020 (Journal Indexed in SCI)
- VII. **Synthesis of Disulfide-Bridged N-Phenyl-N'-(alkyl/aryl/heteroaryl)urea Derivatives and Evaluation of Their Antimicrobial Activities**
Dilem Dogan S., Buran S., Gozde Gunduz M. G. , Ozkul C., Siva Krishna V., Sriram D.
CHEMISTRY & BIODIVERSITY, 2019 (Journal Indexed in SCI)
- VIII. **Discovery of Michael acceptor containing 1,4-dihydropyridines as first covalent inhibitors of L-/T-type calcium channels**
Cevher H. A. , Schaller D., Gandini M. A. , KAPLAN O., Gambeta E., Zhang F. X. , ÇELEBİER M., Tahir M. N. , Zamponi G. W. , Wolber G., et al.
BIOORGANIC CHEMISTRY, vol.91, 2019 (Journal Indexed in SCI)
- IX. **Design, synthesis and computational analysis of novel acridine-(sulfadiazine/sulfathiazole) hybrids as antibacterial agents**
GÜNDÜZ M. G. , Tahir M. N. , Armakovic S., Kocak C. O. , Armakovic S. J.
JOURNAL OF MOLECULAR STRUCTURE, vol.1186, pp.39-49, 2019 (Journal Indexed in SCI)
- X. **Direct Enantiomeric Resolution of Seventeen Racemic 1,4-Dihydropyridine-Based Hexahydroquinoline Derivatives by HPLC**
Sun J., GÜNDÜZ M. G. , Zhang J., Yu J., Guo X.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.20, 2019 (Journal Indexed in SCI)
- XI. **Bioactivity-Guided Isolation of Anti-Inflammatory Principles from Cistus parviflorus Lam.**
GÜRBÜZ P., DOĞAN Ş. D. , Celik G. N. , Bekci H., CUMA OĞLU A., GÜNDÜZ M. G. , Paksoy M. Y.
RECORDS OF NATURAL PRODUCTS, vol.13, pp.226-235, 2019 (Journal Indexed in SCI)
- XII. **A New Generation of Dihydropyridine Calcium Channel Blockers: Photostabilization of Liquid Formulations Using Nonionic Surfactants**
Ioele G., GÜNDÜZ M. G. , SPATARI C., DE LUCA M., GRANDE F., RAGNO G.
PHARMACEUTICS, vol.11, 2019 (Journal Indexed in SCI)
- XIII. **Synthesis of fused 1,4-dihydropyridines as potential calcium channel blockers**
Ozer E. K. , GÜNDÜZ M. G. , El-Khouly A., Sara Y., ŞİMŞEK R., İSKİT A. B. , Safak C.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.43, pp.578-586, 2018 (Journal Indexed in SCI)
- XIV. **Binding mechanism investigations guiding the synthesis of novel condensed 1,4-dihydropyridine derivatives with L-/T-type calcium channel blocking activity**
SCHALLER D., GÜNDÜZ M. G. , Zhang F. X. , Zamponi G. W. , WOLBER G.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.155, pp.1-12, 2018 (Journal Indexed in SCI)
- XV. **Synthesis, crystal structure and antimycobacterial activities of 4-indolyl-1,4-dihydropyridine derivatives possessing various ester groups**
BAYDAR E., GÜNDÜZ M. G. , KRİSHNA V. S. , ŞİMŞEK R., SRİRAM D., Yildirim S. O. , Butcher R. J. , Safak C.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, pp.7471-7489, 2017 (Journal Indexed in SCI)
- XVI. **Theoretical and experimental study of the ground and excited states of 1,4-dihydropyridine based hexahydroquinoline derivatives achieved by microwave irradiation**
GÜNDÜZ M. G. , da Silva C. d. B. , ZANOTTO G. M. , TOLDO J. M. , ŞİMŞEK R., Safak C., Bruno Goncalves P. F. ,

- Rodembusch F. S.
NEW JOURNAL OF CHEMISTRY, vol.41, pp.11686-11694, 2017 (Journal Indexed in SCI)
- XVII. **Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds**
GÜNDÜZ M. G. , Ragno G., ŞİMŞEK R., De Luca M., Safak C., Grande F., El-Khouly A., Isli F., Yildirim S., Fincan G. S. O. , et al.
ACTA PHARMACEUTICA, vol.67, pp.341-355, 2017 (Journal Indexed in SCI)
- XVIII. **Free radicals properties of some gamma-irradiated organic compounds**
ŞİMŞEK R., GÜNDÜZ M. G. , Safak C., Kokpinar O., Aydin M.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, pp.82-86, 2017 (Journal Indexed in SCI)
- XIX. **Synthesis and Biological Evaluation of New Tricyclic Dihydropyridine Based Derivatives on Potassium Channels**
GÜNDÜZ M. G. , KAYA YAŞAR Y., ŞİMŞEK R., ERDEMLİ İ., ŞAFAK O. C.
Iranian Journal Of Pharmaceutical Research, 2016 (Journal Indexed in SCI Expanded)
- XX. **Synthesis, structural characterization and myorelaxant activity of 4-naphthylhexahydroquinoline derivatives containing different ester groups**
GÜNDÜZ M. G. , ALBAYRAK E., Isli F., Fincan G. S. O. , Yildirim S., ŞİMŞEK R., Safak C., Sarioglu Y., Yidirim S. O. , Butcher R. J.
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- XXI. **Photodegradation studies of 1,4-dihydropyridine compounds by MCR analysis on UV spectral data**
Ioele G., GÜNDÜZ M. G. , DE LUCA M., ŞİMŞEK R., Safak C., MUZZALUPO R., RAGNO G.
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- XXII. **Analgesic effect of a broad-spectrum dihydropyridine inhibitor of voltage-gated calcium channels**
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- XXIII. **1,4-Dihydropyridine derivatives with T-type calcium channel blocking activity attenuate inflammatory and neuropathic pain**
Bladen C., Gadotti V. M. , GÜNDÜZ M. G. , Berger N. D. , ŞİMŞEK R., Safak C., Zamponi G. W.
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- XXIV. **Microwave-assisted synthesis of condensed 1,4-dihydropyridines as potential calcium channel modulators**
Ozer E. K. , GÜNDÜZ M. G. , El-Khouly A., SARA M. Y. , ŞİMŞEK R., İSKİT A. B. , Safak O. C.
TURKISH JOURNAL OF CHEMISTRY, vol.39, pp.886-896, 2015 (Journal Indexed in SCI)
- XXV. **Synthesis and Evaluation of 1,4-Dihydropyridine Derivatives with Calcium Channel Blocking Activity**
Bladen C., GÜNDÜZ M. G. , ŞİMŞEK R., Safak C., Zamponi G. W.
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, vol.466, pp.1355-1363, 2014 (Journal Indexed in SCI)
- XXVI. **Microwave-assisted synthesis and myorelaxant activity of 9-indolyl-1,8-acridinedione derivatives**
GÜNDÜZ M. G. , Isli F., El-Khouly A., Yildirim S., Fincan G. S. O. , ŞİMŞEK R., Safak C., Sarioglu Y., Yildirim S. O. , Butcher R. J.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.75, pp.258-266, 2014 (Journal Indexed in SCI)
- XXVII. **ESR study of some gamma irradiated amino acids and condensed 1,4-dihydropyridines**
Aydin M., ŞİMŞEK R., GÜNDÜZ M. G. , Safak C., Osmanoglu Y. E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1035, pp.378-382, 2013 (Journal Indexed in SCI)
- XXVIII. **Synthesis and Myorelaxant Activity of Fused 1,4-Dihydropyridines on Isolated Rabbit Gastric Fundus**
Safak C., GÜNDÜZ M. G. , İlhan S. O. , ŞİMŞEK R., Isli F., Yildirim S., Fincan G. S. O. , Sarioglu Y., Linden A.
DRUG DEVELOPMENT RESEARCH, vol.73, pp.332-342, 2012 (Journal Indexed in SCI)
- XXIX. **Investigation of myorelaxant activity of 9-aryl-3,4,6,7-tetrahydroacridine-1,8-(2H,5H,9H,10H)-diones in isolated rabbit gastric fundus**
Fincan G. S. O. , GÜNDÜZ M. G. , Vural I. M. , ŞİMŞEK R., Sarioglu Y., Safak C.
MEDICINAL CHEMISTRY RESEARCH, vol.21, pp.1817-1824, 2012 (Journal Indexed in SCI)
- XXX. **Synthesis of Cyclopentapyridine and Thienopyridine Derivatives as Potential Calcium Channel**

Modulators

- GÜNDÜZ M. G. , SAFAK C., Kaygisiz B., Kosar B. C. , ŞİMŞEK R., Erol K., Linden A.
ARZNEIMITTELFORSCHUNG-DRUG RESEARCH, vol.62, pp.167-175, 2012 (Journal Indexed in SCI)
- XXXI. **Two 1,4-dihydropyridine derivatives with potential calcium-channel antagonist activity**
Linden A., Safak C., ŞİMŞEK R., GÜNDÜZ M. G.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.67, 2011 (Journal Indexed in SCI)
- XXXII. **7-Substituted Hexahydroquinoline Derivatives and their Calcium Channel Modulator Effects**
GÜNDÜZ M. G. , Celebi S., Kaygisiz B., ŞİMŞEK R., Erol K., Safak C.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.28, pp.922-926, 2009 (Journal Indexed in SCI)
- XXXIII. **Substituted 9-aryl-1,8-acridinedione derivatives and their effects on potassium channels**
GÜNDÜZ M. G. , Dogan A. E. , ŞİMŞEK R., Erol K., Safak C.
MEDICINAL CHEMISTRY RESEARCH, vol.18, pp.317-325, 2009 (Journal Indexed in SCI)
- XXXIV. **Structure-activity relationships of receptor binding of 1,4-dihydropyridine derivatives**
Takahashi D., Oyuncul L., Onoue S., Ito Y., Uchida S., ŞİMŞEK R., GÜNDÜZ M. G. , Safak C., Yamada S.
BIOLOGICAL & PHARMACEUTICAL BULLETIN, vol.31, pp.473-479, 2008 (Journal Indexed in SCI)
- XXXV. **Evaluation of myorelaxant activity of 7-substituted hexahydroquinoline derivatives in isolated rabbit gastric fundus**
GÜNDÜZ M. G. , Ozturk G. S. , Vural I. M. , ŞİMŞEK R., Sarioglu Y., Safak C.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.43, pp.562-568, 2008 (Journal Indexed in SCI)
- XXXVI. **Synthesis and calcium modulatory activity of 3-alkyloxycarbonyl-4-(disubstituted)aryl-5-oxo-1,4,5,6,7,8-hexahydroquinoline derivatives**
ŞİMŞEK R., Ozturk G. S. , Vural I. M. , GÜNDÜZ M. G. , Sarioglu Y., Safak C.
ARCHIV DER PHARMAZIE, vol.341, pp.55-60, 2008 (Journal Indexed in SCI)
- XXXVII. **Synthesis of 2-Methyl-4-aryl-4,6,7,8-tetrahydro-5(1H)-quinolone Derivatives and their Effects on Potassium Channels**
Oeztuerk G. S. , Vural M., Guenduez M. G. , ŞİMŞEK R., Sarioglu Y., SAFAK C.
ARZNEIMITTELFORSCHUNG-DRUG RESEARCH, vol.58, pp.659-665, 2008 (Journal Indexed in SCI)
- XXXVIII. **Cocrystals of diastereoisomers of 1,4-dihydropyridine derivatives**
Linden A., Gunduz M. G. , SIMSEK R., SAFAK C.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.62, 2006 (Journal Indexed in SCI)
- XXXIX. **4-Difluoro-substituted phenyl-5-oxo-hexahydroquinoline derivatives and their effects on calcium channels**
Simsek R., Gunduz M. G. , Sirmagul B., Safak C., Erol K., Linden A.
ARZNEIMITTELFORSCHUNG-DRUG RESEARCH, vol.56, pp.529-534, 2006 (Journal Indexed in SCI)
- XL. **(+/-)-Methyl and (+/-)-ethyl 4-(2,3-difluorophenyl)-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate**
Linden A., Simsek R., Gunduz M. G. , Safak C.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.61, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Ethyl 2,7,7-trimethyl-4-(1-methyl-1H-indol-3-yl)-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate**
Yildirim S. O. , Butcher R. J. , GÜNDÜZ M. G. , El-Khouly A., ŞİMŞEK R., Safak C.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.69, 2013 (Journal Indexed in ESI)
- II. **Ethyl 4-(5-bromo-1H-indol-3-yl)-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate**
GÜNDÜZ M. G. , Butcher R. J. , Yildirim S. O. , El-Khouly A., Safak C., ŞİMŞEK R.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (Journal Indexed in ESI)

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Supported Projects

GÜNDÜZ M. G. , Project Supported by Higher Education Institutions, Antimikobakteriyel Etkili Yeni 1,4-Dihidropiridin Türevleri Üzerine Çalışmalar, 2017 - 2018

ŞİMŞEK R., ŞAFAK O. C. , GÜNDÜZ M. G. , ÇETİN G., Project Supported by Higher Education Institutions, Alkil 2,6,6(2,7,7)-trimetil-4-(bifenil)-5-okso-1,4,5,6,7,8-hekzahidrokinolin 3-karboksilat türevlerinin sentezi ve karakterizasyonu, 2017 - 2018

GÜNDÜZ M. G. , ÇETİN G., ŞİMŞEK R., ŞAFAK O. C. , Project Supported by Higher Education Institutions, L-Tipi Kalsiyum Kanal Blokörü Kondanse 1,4-Dihidropiridin Türevlerinin Mikrodalga Yardımıyla Sentezi, 2016 - 2017

GÜNDÜZ M. G. , Project Supported by Higher Education Institutions, BOSS XV 15. Belçika Organik Sentez Sempozyumu, 2016 - 2016

ŞAFAK O. C. , ŞİMŞEK R., GÜNDÜZ M. G. , EKİZOĞLU M., Baydar E., Project Supported by Higher Education Institutions, Kondanse 14Dihidropiridin Türevlerinin Sentezi ile Antimikrobiyal ve Antioksidan Etkileri Üzerinde Çalışmalar, 2016 - 2016

GÜNDÜZ M. G. , Project Supported by Higher Education Institutions, Sentetik Kimya 2015, Orta Vadede Yükselen Hedefler ve Moleküller (24-27 Ağustos 2015, Helsinki-Finlandiya), 2015 - 2016

Citations

Total Citations (WOS):286

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