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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., Turkey 2006 - 2012

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., Turkey 2004 - 2006

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2000 - 2004

Foreign Languages

English, C1 Advanced

Dissertations

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

Postgraduate, 7-sübstütü 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

Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2023 - Continues

Associate Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2017 - 2023

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

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

Advising Theses

Gündüz M. G., Azol Halkası Taşıyan COX İnhibitörlerinin Sentezi ve Antimikrobiyal Aktivitelerinin Araştırılması, Postgraduate, A.KARAGÜZEL(Student), 2024

Gündüz M. G., Dihidropiridin türevlerinin sentezi ve L-/T-tipi kalsiyum kanal bloke edici aktiviteleri, Postgraduate, D.AKMAN(Student), 2022

Gündüz M. G., Kondanse 1,4-dihidropiridin türevlerinin sentezi ve L-/T-tipi kalsiyum kanalları üzerine etkileri, Postgraduate, H.AYGÜN(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and computational perspectives on the interaction of nerve agent VX metabolite ethyl methylphosphonic acid with human serum albumin**
Bakırhan N. K., Brahmi M., Gündüz M. G., Irem Kaya S., Sezigen S., Ozkan S. A.
MICROCHEMICAL JOURNAL, vol.205, 2024 (SCI-Expanded)
- II. **Chiral superficially porous stationary phases for enantiomeric separation of condensed 1,4-dihydropyridine derivatives.**
Salehi R., J S. J. S., Burk R. J., Berthod A., Gündüz M. G., Armstrong D. W.
Journal of pharmaceutical and biomedical analysis, vol.251, pp.116420, 2024 (SCI-Expanded)
- III. **Tail-approach based design, synthesis, and molecular modeling of benzenesulfonamides carrying thiadiazole and urea moieties as novel carbonic anhydrase inhibitors.**
Han M. İ., Gündüz M. G., Ammara A., Supuran C. T., Doğan Ş. D.
Archiv der Pharmazie, 2024 (SCI-Expanded)
- IV. **Synthesis, molecular modeling, DFT studies, and EPR analysis of 1,4-dihydropyridines as potential calcium channel blockers**
KOÇAK ASLAN E., Lam K., DENGİZ Ç., Denzinger K., Dicle Erdamar I. Y., Huang S., Zamponi G. W., Wolber G., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1307, 2024 (SCI-Expanded)
- V. **Biginelli dihydropyrimidines carrying azole rings: Synthesis, computational studies, and evaluation of alpha-glucosidase inhibitory and antimicrobial activities**
KOÇAK ASLAN E., Armačić S. J., Armačić S., ÖZENER N., ÖZKUL KOÇAK C., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1306, 2024 (SCI-Expanded)
- VI. **Azole rings linked to COX inhibitors via hydrazone bridge: Synthesis, stereochemical analysis, and investigation of antimicrobial activity**
Karagüzel A., Buran Uğur S., ÇETİNKAYA Y., DOĞAN Ş. D., Stevanovic M., Nikodinovic-Runic J., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1306, 2024 (SCI-Expanded)
- VII. **Electrochemical and Theoretical Investigations on the Binding of Anticancer Drug Olaparib to Human Serum Albumin**
Keciba A., Bakırhan N. K., Gündüz M. G., Douliche M., Saidat B., Atici E. B., Ozkan S. A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.171, no.6, pp.66507, 2024 (SCI-Expanded)
- VIII. **Multivariate Approaches in Quantitative Structure–Property Relationships Study for the Photostability Assessment of 1,4-Dihydropyridine Derivatives**
Chieffallo M., De Luca M., Grande F., Occhiuzzi M. A., GÜNDÜZ M. G., Garofalo A., Ioele G.
Pharmaceutics, vol.16, no.2, 2024 (SCI-Expanded)
- IX. **Linking quinoline ring to 5-nitrofuranyl moiety via sulfonyl hydrazone bridge: Synthesis, structural characterization, DFT studies, and evaluation of antibacterial and antifungal activity**
DOĞAN Ş. D., Özcan E., ÇETİNKAYA Y., HAN M. İ., Şahin O., Bogojevic S. S., Nikodinovic-Runic J., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1292, 2023 (SCI-Expanded)
- X. **Novel Quinoline-Based Thiosemicarbazide Derivatives: Synthesis, DFT Calculations, and Investigation of Antitubercular, Antibacterial, and Antifungal Activities.**
Özcan E., Vagolu S. K., Gündüz M. G., Stevanovic M., Kökbudak Z., Tønjum T., Nikodinovic-Runic J., Çetinkaya Y., Doğan Ş. D.

ACS omega, vol.8, no.43, pp.40140-40152, 2023 (SCI-Expanded)

- XI. **Preparation of nanosuspensions of a 1,4-dihydropyridine-based mixed L-/T-type calcium channel blocker by combined precipitation and ultrasonication methods**
PEZİK E., GÜLSÜN İNAL T., GÜNDÜZ M. G., ŞAHİN S., ÖZTÜRK N., VURAL İ.
Journal of Drug Delivery Science and Technology, vol.87, 2023 (SCI-Expanded)
- XII. **Synthesis and Evaluation of Novel Metacetamol Derivatives with Hydrazone Moiety as Anticancer and Antimicrobial Agents**
Şenkardeş S., Atlıhan İ., Çayır E., Mega Tiber P., Orun O., Nigiz Ş., Özkul C., Gündüz M. G., Küçükgülzel Ş. G.
Chemistry and Biodiversity, vol.20, no.8, 2023 (SCI-Expanded)
- XIII. **Semicarbazides Carrying Indole Core: Synthesis, Cytotoxicity Evaluation against Human Breast Cancer Cell Lines, and Molecular Modeling Studies**
Çelik B., Buran Uğur S., BARAN M., GÜNDÜZ M. G., Keskin S., ÖNDER G. Ö., BİTGEN N., Kaya S., DOĞAN Ş. D.
Chemistry and Biodiversity, vol.20, no.8, 2023 (SCI-Expanded)
- XIV. **Investigation of Antimicrobial, Anti-Quorum Sensing, and Cytotoxic Activities of Flavonoids Isolated from Pulicaria armena Boiss. & Kotschy ex Boiss. (Asteraceae)**
Başpınar Y., GÜRBÜZ P., Dilem Doğan Ş., Gözde Gündüz M. G., Aleksic I., Vojnovic S., Nikodinovic-Runic J., Yavuz Paksoy M.
Chemistry and Biodiversity, vol.20, no.4, 2023 (SCI-Expanded)
- XV. **Sulfonamides linked to sulfonate esters via hydrazone functionality: synthesis, human carbonic anhydrase inhibitory activities, and molecular modeling studies**
HAN M. İ., GÜNDÜZ M. G., Alçı G., Giovannuzzi S., YUVALI D., Supuran C. T., DOĞAN Ş. D.
New Journal of Chemistry, vol.47, no.9, pp.4267-4276, 2023 (SCI-Expanded)
- XVI. **Synthesis, antimicrobial properties and in silico studies of aryloxyacetic acid derivatives with hydrazone or thiazolidine-4-one scaffold**
ŞENKARDEŞ S., KART D., Bebek B., GÜNDÜZ M. G., Kucukguzel S. G.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.15, pp.7421-7432, 2023 (SCI-Expanded)
- XVII. **Indole-based hydrazone derivatives: Synthesis, cytotoxicity assessment, and molecular modeling studies**
Keskin S., DOĞAN Ş. D., GÜNDÜZ M. G., Aleksic I., Vojnovic S., Lazic J., Nikodinovic-Runic J.
Journal of Molecular Structure, vol.1270, 2022 (SCI-Expanded)
- XVIII. **Focusing on C-4 position of Hantzsch 1,4-dihydropyridines: Molecular modifications, enantioseparation, and binding mechanism to L- and T-type calcium channels**
Akman D., Denzinger K., Huang S., Lee J., Nafie J. W., Wolber G., Zamponi G. W., Armstrong D. W., GÜNDÜZ M. G.
European Journal of Medicinal Chemistry, vol.244, 2022 (SCI-Expanded)
- XIX. **Isoniazid Linked to Sulfonate Esters via Hydrazone Functionality: Design, Synthesis, and Evaluation of Antitubercular Activity**
KOÇAK ASLAN E., HAN M. İ., Krishna V. S., Tamhaev R., DENGİZ Ç., DOĞAN Ş. D., Lherbet C., Mourey L., Tønjum T., GÜNDÜZ M. G.
Pharmaceuticals, vol.15, no.10, 2022 (SCI-Expanded)
- XX. **Urea derivatives carrying a thiophenylthiazole moiety: Design, synthesis, and evaluation of antitubercular and InhA inhibitory activities**
Keleş Atıcı R., DOĞAN Ş. D., GÜNDÜZ M. G., Krishna V. S., Chebaiki M., Homberset H., Lherbet C., Mourey L., Tønjum T.
Drug Development Research, vol.83, no.6, pp.1292-1304, 2022 (SCI-Expanded)
- XXI. **Synthesis, antimicrobial evaluation and molecular modeling studies of novel thiosemicarbazides/semicarbazides derived from p-aminobenzoic acid**
İhsan Han M., İNCE U., GÜNDÜZ M. G., COŞKUN G. P., Birgül K., DOĞAN Ş. D., Küçükgülzel Ş. G.
Journal of Molecular Structure, vol.1261, 2022 (SCI-Expanded)
- XXII. **Theoretical and experimental investigation of 1,4-dihydropyridine-based hexahydroquinoline-3-carboxylates: Photophysics and bovine serum albumin binding studies**
Camargo da Luz L., Gözde Gündüz M. G., Beal R., Modernell Zanotto G., Ramires Kuhn E., Augusto Netz P., Şafak C.,

Fernando Bruno Gonçalves P., da Silveira Santos F., Severo Rodembusch F.

Journal of Photochemistry and Photobiology A: Chemistry, vol.429, 2022 (SCI-Expanded)

- XXIII. **Linking azoles to isoniazid via hydrazone bridge: Synthesis, crystal structure determination, antitubercular evaluation and computational studies**
KOÇAK ASLAN E., Krishna V. S., Armaković S. J., Armaković S., Şahin O., Tønjum T., GÜNDÜZ M. G.
Journal of Molecular Liquids, vol.354, 2022 (SCI-Expanded)
- XXIV. **1,4-Dihydropyridine as a Promising Scaffold for Novel Antimicrobials Against Helicobacter pylori**
Gonzalez A., Casado J., Gunduz M. G., Santos B., Velazquez-Campoy A., Sarasa-Buisan C., Fillat M. F., Montes M., Piauelo E., Lanas A.
FRONTIERS IN MICROBIOLOGY, vol.13, 2022 (SCI-Expanded)
- XXV. **Isolation, Characterization and in Silico Studies of Secondary Metabolites from Jurinea macrocephala DC. with Antiproliferative Activity**
GÜRBÜZ P., DOĞAN Ş. D., GÜNDÜZ M. G., UZUN K., UZUNHİSARCIKLI E., AYCAN M. B.
CHEMISTRY & BIODIVERSITY, vol.19, no.4, 2022 (SCI-Expanded)
- XXVI. **Synthesis, Antimicrobial Evaluation, and Molecular Modeling Studies of New Thiosemicarbazide-Triazole Hybrid Derivatives of (S)-Naproxen**
HAN M. İ., İNCE U., GÜNDÜZ M. G., Küçükgülzel Ş. G.
Chemistry and Biodiversity, vol.19, 2022 (SCI-Expanded)
- XXVII. **Isoquinolinedione-urea hybrids: Synthesis, antibacterial evaluation, drug-likeness, molecular docking and DFT studies**
HAN M. İ., DENGİZ Ç., Dogan S. D., GÜNDÜZ M. G., KÖPRÜ S., Ozkul C.
JOURNAL OF MOLECULAR STRUCTURE, vol.1252, 2022 (SCI-Expanded)
- XXVIII. **Attaching azoles to Hantzsch 1,4-dihydropyridines: Synthesis, theoretical investigation of nonlinear optical properties, antimicrobial evaluation and molecular docking studies**
GÜNDÜZ M. G., DENGİZ Ç., KOÇAK ASLAN E., Skaro Bogojevic S., Nikodinovic-Runic J.
JOURNAL OF MOLECULAR STRUCTURE, vol.1247, 2022 (SCI-Expanded)
- XXIX. **S-alkylated thiosemicarbazone derivatives: Synthesis, crystal structure determination, antimicrobial activity evaluation and molecular docking studies**
GÜNDÜZ M. G., Kaya B., ÖZKUL KOÇAK C., ŞAHİN O., Rekha E. M., Sriram D., ÜLKÜSEVEN B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1242, 2021 (SCI-Expanded)
- XXX. **Synthesis and Laccase-Mediated Oxidation of New Condensed 1,4-Dihydropyridine Derivatives**
Milovanovic J., GÜNDÜZ M. G., Zerva A., Petkovic M., Beskoski V., Thomaidis N. S., Topakas E., Nikodinovic-Runic J.
CATALYSTS, vol.11, no.6, 2021 (SCI-Expanded)
- XXXI. **Design, synthesis, antibacterial activity evaluation and molecular modeling studies of new sulfonamides containing a sulfathiazole moiety**
Meseli T., DOĞAN Ş. D., GÜNDÜZ M. G., KÖKBUDAK Z., Skaro Bogojevic S., Noonan T., Vojnovic S., Wolber G., Nikodinovic-Runic J.
NEW JOURNAL OF CHEMISTRY, vol.45, pp.8166-8177, 2021 (SCI-Expanded)
- XXXII. **Copper-Oxone Promoted Oxidative C-H Functionalization: Synthesis of 2-Aminobenzothiazoles and Evaluation of Their Antimicrobial Activities**
DOĞAN Ş. D., GÜNDÜZ M. G., Ugur S. B., Dogan H., ÖZKUL KOÇAK C., ÇETİNKAYA Y.
CHEMISTRYSELECT, vol.6, no.17, pp.4382-4389, 2021 (SCI-Expanded)
- XXXIII. **Crystal structure determination and computational studies of 1,4-dihydropyridine derivatives as selective T-type calcium channel blockers**
GÜNDÜZ M. G., Armakovic S. J., DENGİZ Ç., Tahir M. N., Armakovic S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1230, 2021 (SCI-Expanded)
- XXXIV. **Use of Pluronic Surfactants in Gel Formulations of Photosensitive 1,4-Dihydropyridine Derivatives: A Potential Approach in the Treatment of Neuropathic Pain**
Ioele G., Muzzalupo R., GÜNDÜZ M. G., De Luca M., Mazzotta E., Grande F., Occhiuzzi M. A., Garofalo A., Ragno G.
PHARMACEUTICS, vol.13, no.4, 2021 (SCI-Expanded)
- XXXV. **In vitro biological activity of Salvia fruticosa Mill. infusion against amyloid beta-peptide-induced**

toxicity and inhibition of GSK-3 beta, CK-1 delta, and BACE-1 enzymes relevant to Alzheimer's disease

GÜRBÜZ P., Dokumaci A. H., GÜNDÜZ M. G., Perez C., GÖGER F., Paksoy M. Y., Yerer M. B., DEMİREZER L. Ö.
SAUDI PHARMACEUTICAL JOURNAL, vol.29, no.3, pp.236-243, 2021 (SCI-Expanded)

- XXXVI. **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, vol.20, no.6, pp.627-640, 2020 (SCI-Expanded)
- XXXVII. **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 (SCI-Expanded)
- XXXVIII. **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 (SCI-Expanded)
- XXXIX. **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 (SCI-Expanded)
- XL. **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 (SCI-Expanded)
- XLI. **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, no.12, 2020 (SCI-Expanded)
- XLII. **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 (SCI-Expanded)
- XLIII. **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 (SCI-Expanded)
- XLIV. **Design, synthesis and computational analysis of novel acridine-(sulfadiazine/sulfathiazole) hybrids as antibacterial agents**
GÜNDÜZ M. G., Tahir M. N., Armakovic S., Kocak C., Armakovic S. J.
JOURNAL OF MOLECULAR STRUCTURE, vol.1186, pp.39-49, 2019 (SCI-Expanded)
- XLV. **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, no.10, 2019 (SCI-Expanded)
- XLVI. **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, no.3, pp.226-235, 2019 (SCI-Expanded)
- XLVII. **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, no.1, 2019 (SCI-Expanded)

- XLVIII. 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, no.6, pp.578-586, 2018 (SCI-Expanded)
- XLIX. 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 (SCI-Expanded)
- L. Synthesis, crystal structure and antimycobacterial activities of 4-indolyl-1,4-dihydropyridine derivatives possessing various ester groups**
BAYDAR E., GÜNDÜZ M. G., KRISHNA V. S., ŞİMŞEK R., SRİRAM D., Yildirim S. O., Butcher R. J., Safak C.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.12, pp.7471-7489, 2017 (SCI-Expanded)
- LI. 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, no.20, pp.11686-11694, 2017 (SCI-Expanded)
- LII. 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, no.3, pp.341-355, 2017 (SCI-Expanded)
- LIII. Free radicals properties of some gamma-irradiated organic compounds**
ŞİMŞEK R., GÜNDÜZ M. G., Safak C., Kokpınar O., Aydin M.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, no.1, pp.82-86, 2017 (SCI-Expanded)
- LIV. 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 (SCI-Expanded)
- LV. 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.
FUTURE MEDICINAL CHEMISTRY, vol.8, no.2, pp.107-115, 2016 (SCI-Expanded)
- LVI. 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., Yildirim S. O., Butcher R. J.
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.81, no.7, pp.729-738, 2016 (SCI-Expanded)
- LVII. Analgesic effect of a broad-spectrum dihydropyridine inhibitor of voltage-gated calcium channels**
Gadotti V. M., Bladen C., Zhang F. X., Chen L., GÜNDÜZ M. G., ŞİMŞEK R., Safak C., Zamponi G. W.
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, vol.467, no.12, pp.2485-2493, 2015 (SCI-Expanded)
- LVIII. 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.
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, vol.467, no.6, pp.1237-1247, 2015 (SCI-Expanded)
- LIX. 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, no.4, pp.886-896, 2015 (SCI-Expanded)
- LX. 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, no.7, pp.1355-1363, 2014 (SCI-Expanded)
- LXI. 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 (SCI-Expanded)
- LXII. **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 (SCI-Expanded)
- LXIII. **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, no.6, pp.332-342, 2012 (SCI-Expanded)
- LXIV. **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, no.8, pp.1817-1824, 2012 (SCI-Expanded)
- LXV. **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, no.4, pp.167-175, 2012 (SCI-Expanded)
- LXVI. **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 (SCI-Expanded)
- LXVII. **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, no.6, pp.922-926, 2009 (SCI-Expanded)
- LXVIII. **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, no.4, pp.317-325, 2009 (SCI-Expanded)
- LXIX. **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, no.3, pp.473-479, 2008 (SCI-Expanded)
- LXX. **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, no.3, pp.562-568, 2008 (SCI-Expanded)
- LXXI. **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, no.1, pp.55-60, 2008 (SCI-Expanded)
- LXXII. **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, no.12, pp.659-665, 2008 (SCI-Expanded)
- LXXIII. **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 (SCI-Expanded)
- LXXIV. **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, no.7, pp.529-534, 2006 (SCI-Expanded)
- LXXV. **(+/-)-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.

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 (ESCI)
- 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 (ESCI)
- III. **Antimicrobial Screening of 2 Methyl 3 Acyl 4 Aryl 2 6 6 and or 2 7 7 Trimethyl 1 4 5 6 7 8 Hexahydroquinoline Derivatives**
GÜNDÜZ M. G., EKİZOĞLU M., KART D., ŞİMŞEK R., ŞAFAK O. C.
Hacettepe University, J. Faculty of Pharmacy, vol.31, no.1, pp.51-58, 2011 (Peer-Reviewed Journal)

Supported Projects

GÜNDÜZ M. G., DENGİZ Ç., Project Supported by Higher Education Institutions, Potansiyel L-/T-Tipi Kalsiyum Kanal Blokörü Dihidropiridin Türevlerinin Sentezi, 2020 - 2022

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

Metrics

Publication: 78

Citation (WoS): 485

Citation (Scopus): 717

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H-Index (Scopus): 14

Non Academic Experience

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