

# Prof. Dr. MİYASE GÖZDE GÜNDÜZ

## Kişisel Bilgiler

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## Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., Türkiye 2006 - 2012

Yüksek Lisans, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., Türkiye 2004 - 2006

Lisans, Hacettepe Üniversitesi, Eczacılık Fakültesi, Türkiye 2000 - 2004

## Yabancı Diller

İngilizce, C1 İleri

## Yaptığı Tezler

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

Yüksek Lisans, 7-süstitü heksahidrokinolin türevleri ve kalsiyum kanalları üzerine etkileri, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2006

## Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Meslek Bilimleri, Farmasötik Kimya

## Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2023 - Devam Ediyor

Doç. Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2017 - 2023

Yrd. Doç. Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2015 - 2017

Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2004 - 2015

## Yönetilen Tezler

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## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Experimental and computational perspectives on the interaction of nerve agent VX metabolite ethyl methylphosphonic acid with human serum albumin**  
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- II. **Chiral superficially porous stationary phases for enantiomeric separation of condensed 1,4-dihydropyridine derivatives.**  
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- III. **Tail-approach based design, synthesis, and molecular modeling of benzenesulfonamides carrying thiadiazole and urea moieties as novel carbonic anhydrase inhibitors.**  
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- IV. **Synthesis, molecular modeling, DFT studies, and EPR analysis of 1,4-dihydropyridines as potential calcium channel blockers**  
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- VI. **Azole rings linked to COX inhibitors via hydrazone bridge: Synthesis, stereochemical analysis, and investigation of antimicrobial activity**  
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- VII. **Electrochemical and Theoretical Investigations on the Binding of Anticancer Drug Olaparib to Human Serum Albumin**  
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- 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.  
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- 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.  
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- X. **Novel Quinoline-Based Thiosemicarbazide Derivatives: Synthesis, DFT Calculations, and Investigation of Antitubercular, Antibacterial, and Antifungal Activities.**  
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- XI. **Preparation of nanosuspensions of a 1,4-dihydropyridine-based mixed L-/T-type calcium channel blocker by combined precipitation and ultrasonication methods**  
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- XII. **Synthesis and Evaluation of Novel Metacetamol Derivatives with Hydrazone Moiety as Anticancer and Antimicrobial Agents**  
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- 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.  
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- 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.  
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- XV. **Sulfonamides linked to sulfonate esters via hydrazone functionality: synthesis, human carbonic anhydrase inhibitory activities, and molecular modeling studies**  
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- 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.  
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- XVII. **Indole-based hydrazone derivatives: Synthesis, cytotoxicity assessment, and molecular modeling studies**  
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- XVIII. **Focusing on C-4 position of Hantzsch 1,4-dihydropyridines: Molecular modifications, enantioseparation, and binding mechanism to L- and T-type calcium channels**  
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- XIX. **Isoniazid Linked to Sulfonate Esters via Hydrazone Functionality: Design, Synthesis, and Evaluation of Antitubercular Activity**  
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- 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.  
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- 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.  
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- 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.  
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- 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.  
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- XXIV. **1,4-Dihydropyridine as a Promising Scaffold for Novel Antimicrobials Against Helicobacter pylori**  
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- 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.  
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- 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.  
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- XXVII. **Isoquinolinedione-urea hybrids: Synthesis, antibacterial evaluation, drug-likeness, molecular docking and DFT studies**  
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- XXVIII. **Attaching azoles to Hantzsch 1,4-dihydropyridines: Synthesis, theoretical investigation of nonlinear optical properties, antimicrobial evaluation and molecular docking studies**  
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- XXIX. **S-alkylated thiosemicarbazone derivatives: Synthesis, crystal structure determination, antimicrobial activity evaluation and molecular docking studies**  
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- XXX. **Synthesis and Laccase-Mediated Oxidation of New Condensed 1,4-Dihydropyridine Derivatives**  
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- XXXI. **Design, synthesis, antibacterial activity evaluation and molecular modeling studies of new sulfonamides containing a sulfathiazole moiety**  
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- XXXII. **Copper-Oxone Promoted Oxidative C-H Functionalization: Synthesis of 2-Aminobenzothiazoles and Evaluation of Their Antimicrobial Activities**  
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- XXXIII. **Crystal structure determination and computational studies of 1,4-dihydropyridine derivatives as selective T-type calcium channel blockers**  
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- XXXIV. **Use of Pluronic Surfactants in Gel Formulations of Photosensitive 1,4-Dihydropyridine Derivatives: A Potential Approach in the Treatment of Neuropathic Pain**  
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- 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**

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- XXXVI. **M3, a 1,4-Dihydropyridine Derivative and Mixed L-/T-Type Calcium Channel Blocker, Attenuates Isoproterenol-Induced Toxicity in Male Wistar Rats**  
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- XXXVII. **1,3-Disubstituted urea derivatives: Synthesis, antimicrobial activity evaluation and in silico studies**  
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- XXXVIII. **Design and synthesis of thiourea-based derivatives as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors**  
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- XXXIX. **Discovery of hydrazone containing thiadiazoles as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors**  
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- XL. **Molecular dynamics, viscoelastic properties and physical stability studies of a new amorphous dihydropyridine derivative with T-type calcium channel blocking activity**  
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- XLI. **Electrochemical Studies of Newly Synthesized 1,4-Dihydropyridine-Based Hexahydroquinoline Derivatives**  
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- XLII. **Synthesis of Disulfide-Bridged N-Phenyl-N'-(alkyl/aryl/heteroaryl)urea Derivatives and Evaluation of Their Antimicrobial Activities**  
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- XLIII. **Discovery of Michael acceptor containing 1,4-dihydropyridines as first covalent inhibitors of L-/T-type calcium channels**  
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- XLIV. **Design, synthesis and computational analysis of novel acridine-(sulfadiazine/sulfathiazole) hybrids as antibacterial agents**  
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- 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.  
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- XLVI. **Bioactivity-Guided Isolation of Anti-Inflammatory Principles from Cistus parviflorus Lam.**  
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- XLVII. **A New Generation of Dihydropyridine Calcium Channel Blockers: Photostabilization of Liquid Formulations Using Nonionic Surfactants**  
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- XLVIII. Synthesis of fused 1,4-dihydropyridines as potential calcium channel blockers**  
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- XLIX. Binding mechanism investigations guiding the synthesis of novel condensed 1,4-dihydropyridine derivatives with L-/T-type calcium channel blocking activity**  
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- L. Synthesis, crystal structure and antimycobacterial activities of 4-indolyl-1,4-dihydropyridine derivatives possessing various ester groups**  
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- LI. Theoretical and experimental study of the ground and excited states of 1,4-dihydropyridine based hexahydroquinoline derivatives achieved by microwave irradiation**  
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- LII. Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds**  
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- LIII. Free radicals properties of some gamma-irradiated organic compounds**  
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- LIV. Synthesis and Biological Evaluation of New Tricyclic Dihydropyridine Based Derivatives on Potassium Channels**  
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- LV. Photodegradation studies of 1,4-dihydropyridine compounds by MCR analysis on UV spectral data**  
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- LVI. Synthesis, structural characterization and myorelaxant activity of 4-naphthylhexahydroquinoline derivatives containing different ester groups**  
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- LVIII. 1,4-Dihydropyridine derivatives with T-type calcium channel blocking activity attenuate inflammatory and neuropathic pain**  
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- Yayın: 78  
Atıf (WoS): 485  
Atıf (Scopus): 717  
H-İndeks (WoS): 13  
H-İndeks (Scopus): 14

## Akademi Dışı Deneyim

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