

# Prof. YASEMİN DÜNDAR

## Personal Information

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## International Researcher IDs

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ScopusID: 6603634906

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## Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (Dr), Turkey 2001 - 2006

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1994 - 1998

## Dissertations

Doctorate, Bazı 4,5-diaril-2-okso-3H-1,3-oksozol yapısındaki bileşiklerin sentezi ve selektif COX-2 inhibitör aktivitelerinin belirlenmesi üzerine çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (Dr), 2006

Postgraduate, 3-süstitü 2-benzoksazolinon türevi bileşiklerin sentezi ve analjezik aktiviteleri üzerinde çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (YI) (Tezli), 2001

## Research Areas

Health Sciences

## Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2020 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2013 - 2020

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 1998 - 2010

## Academic and Administrative Experience

Director of The Institution, Gazi University, Sağlık Bilimleri Enstitüsü, 2020 - 2021

Gazi University, Sağlık Bilimleri Enstitüsü, 2014 - 2016

Fakülte Yönetim Kurulu Üyesi, Gazi University, Eczacılık Fakültesi, 2012 - 2016

## Courses

Heterosiklik Kimya-I, Postgraduate, 2017 - 2018  
Araştırma Projesi II, Undergraduate, 2017 - 2018, 2016 - 2017  
Farmasötik Kimya II Uygulama, Undergraduate, 2017 - 2018, 2016 - 2017  
Araştırma Projesi I, Undergraduate, 2017 - 2018, 2016 - 2017  
İR Spektroskopisi, Postgraduate, 2017 - 2018, 2016 - 2017  
Farmasötik Kimya I, Undergraduate, 2017 - 2018, 2016 - 2017  
İlaçlarda Yapı Aydınlatma Tekniklerine Giriş, Postgraduate, 2017 - 2018  
Organik Sentezlerde Kullanılan Reajanlar-II, Doctorate, 2017 - 2018, 2016 - 2017  
İlaç Metabolizmasının İlaç Keşif ve Geliştirilmesindeki Rolü, Undergraduate, 2016 - 2017

## Advising Theses

DÜNDAR Y., Bazı piridopiridazin türevi bileşiklerin sentezi ve biyolojik aktiviteleri üzerine çalışmalar, Postgraduate, S.AKÇAY(Student), 2015

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

- I. **Hit-to-lead optimization on aryloxybenzamide derivative virtual screening hit against SIRT**  
Yagci S., Gözelle M., Kaya S. G., Özkan Y., Aksel A. B., Bakar-Ates F., Dündar Y., Eren G.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.30, 2021 (SCI-Expanded)
- II. **Novel pyridazinone derivatives as butyrylcholinesterase inhibitors**  
Dündar Y., Kuyrukçu Ö., Eren G., Şenol Deniz F. S., Önkol T., Erdoğan Orhan İ.  
BIOORGANIC CHEMISTRY, vol.92, 2019 (SCI-Expanded)
- III. **SYNTHESIS AND ANTITUBERCULAR ACTIVITY OF OFLOXACIN DERIVATIVES**  
DÜNDAR Y., ÜLGER M., KAYNAK ONURDAĞ F., ÖKTEN S., ÖNKOL T.  
REVUE ROUMAINE DE CHIMIE, vol.63, no.4, pp.265-272, 2018 (SCI-Expanded)
- IV. **Study on Synthesis and Biological Activity of Some Pyridopyridazine Derivatives**  
Akçay S., Ülger M., Kaynak Onurdağ F., Dündar Y.  
ACTA CHIMICA SLOVENICA, vol.65, no.4, pp.932-938, 2018 (SCI-Expanded)
- V. **ANTI-QUORUM SENSING ACTIVITY OF 1, 3-DIHYDRO-2H-BENZIMIDAZOL-2-ONE DERIVATIVES**  
ÖNEM E., DÜNDAR Y., ULUSOY S., Noyanalpan N., Bosgelmez-Tinaz G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.9906-9912, 2018 (SCI-Expanded)
- VI. **SYNTHESIS AND ANTINOCICEPTIVE ACTIVITY OF MEPERIDINE-LIKE BENZIMIDAZOLE DERIVATIVES**  
Ercanlı T., BAL N. B., ÖZDEMİR E., DÜNDAR Y., ULUDAĞ M. O., Cakir B., Ozden T., ÖNKOL T.  
REVUE ROUMAINE DE CHIMIE, vol.61, no.1, pp.15-23, 2016 (SCI-Expanded)
- VII. **Preliminary results of a novel quorum sensing inhibitor against pneumococcal infection and biofilm formation with special interest to otitis media and cochlear implantation**  
Cevizci R., DÜZLÜ M., DÜNDAR Y., Noyanalpan N., Sultan N., TUTAR H., BAYAZIT Y. A.  
EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY, vol.272, no.6, pp.1389-1393, 2015 (SCI-Expanded)
- VIII. **The Effects of p-nonylphenol on the Myometrial Contractile Activity**  
ÖZATİK F. Y., Kaygisiz B., Erol K., Dündar Y., Onkol T., Sahin M. F.  
Drug Research, vol.65, no.7, pp.388-392, 2014 (SCI-Expanded)
- IX. **Synthesis and Biological Activity of Some 3-[(4-Amino-5-thioxo-1,2,4-triazol-3-yl)methyl]benzothiazol-2(3H)-one Derivatives**  
DÜNDAR Y., Onurdag F. K., ÖNKOL T.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.1, pp.225-230, 2013 (SCI-Expanded)
- X. **Microwave-assisted synthesis of 1,3-benzothiazol-2(3 H)-one derivatives and analysis of their antinociceptive activity**  
Onkol T., Dündar Y., Yildirim E., Erol K., Sahin M. F.

Arzneimittel-Forschung/Drug Research, vol.62, no.12, pp.571-575, 2012 (SCI-Expanded)

- XI. **Synthesis and Biological Evaluation of the Salicylamide and Salicylic Acid Derivatives as Anti-Estrogen Agents**  
DÜNDAR Y., ÖZATIK F. Y., Ozatik O., Ergin V., ÖNKOL T., Menevse A., Erol K., Sahin M. F.  
MEDICINAL CHEMISTRY, vol.8, no.3, pp.481-490, 2012 (SCI-Expanded)
- XII. **Synthesis and biological activities of some 1,3-benzoxazol-2(3H)-one derivatives as anti-quorum sensing agents**  
Miandji A. M., Ulusoy S., Dundar Y., Ozgen S., Onurdag F. K., Bosgelmez-Tinaz G., Noyanalpan N.  
Arzneimittel-Forschung/Drug Research, vol.62, no.7, pp.330-334, 2012 (SCI-Expanded)
- XIII. **Amide derivatives of [6-acyl-2-benzothiazolinon-3-yl] acetic acids as potential analgesic and anti-inflammatory compounds**  
ÖNKOL T., BANOĞLU E., DÜNDAR Y., Kupeli E., Sahin M. F.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.1, pp.11-24, 2010 (SCI-Expanded)
- XIV. **Synthesis and biological evaluation of 4,5-diphenyloxazolone derivatives on route towards selective COX-2 inhibitors**  
DÜNDAR Y., Unlu S., BANOĞLU E., Entrena A., Costantino G., Nunez M., Ledo F., Sahin M. F., Noyanalpan N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.44, no.5, pp.1830-1837, 2009 (SCI-Expanded)
- XV. **Structural and spectral studies on,3-(6-benzoyl-5-chloro-2-benzoxazolinon-3-yl) propanoic acid**  
Arslan H., Algul O., Dundar Y.  
VIBRATIONAL SPECTROSCOPY, vol.44, no.2, pp.248-255, 2007 (SCI-Expanded)
- XVI. **Synthesis of some new 1-acylthiosemicarbazides and 1,2,4-triazol-5-thiones, and their analgesic and anti-inflammatory activities**  
Duendar Y., Cakir B., Kuepeli E., Sahin M. F., Noyanalpan N.  
Turkish Journal of Chemistry, vol.31, no.3, pp.301-313, 2007 (SCI-Expanded)
- XVII. **Methyl [6-(2-chlorobenzoyl)-2-oxo-2,3-dihydro,3-benzoxazol-3-yl]acetate**  
Aydin A., Dundar Y., Akkurt M., Buyukgungor O., Sahin M. F.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- XVIII. **Synthesis and analgesic and antiinflammatory activity of ethyl (6-substituted-3(2H)-pyridazinone-2-yl)acetate derivatives**  
DÜNDAR Y., Goekce M., Kuepeli E., Sahin M. F.  
ARZNEIMITTELFORSCHUNG-DRUG RESEARCH, vol.57, no.12, pp.777-781, 2007 (SCI-Expanded)
- XIX. **Synthesis of 2(3H)-benzothiazolinone derivatives as analgesic and anti-inflammatory agents**  
DÜNDAR Y., Çakir B., Küpeli E., ŞAHİN M. G.  
Turkish Journal of Pharmaceutical Sciences, vol.3, no.2, pp.51-60, 2006 (SCI-Expanded)
- XX. **Crystal structure of ethyl [6-(2-fluorobenzoyl)-2-oxo-benzothiazolin-3-yl]-butanoate, C<sub>20</sub>H<sub>18</sub>FNO<sub>4</sub>S**  
Aydin A., Dundar Y., Arici C.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.220, no.3, pp.379-380, 2005 (SCI-Expanded)
- XXI. **Methyl 3-(2-oxobenzothiazolin-3-yl)-propanoate**  
Ersanli C., Dundar Y., Sari U., Noyanalpan N., Odabasoglu M., Erdonmez A.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)
- XXII. **Synthesis and analgesic and anti-inflammatory activity of some new (6-acyl-2-benzoxazolinone and 6-acyl-2-benzothiazolinone derivatives with acetic acid and propanoic acid residues**  
Unlu S., Onkol T., Dundar Y., Okcelik B., Kupeli E., Yesilada E., Noyanalpan N., Sahin M.  
ARCHIV DER PHARMAZIE, vol.336, no.8, pp.353-360, 2003 (SCI-Expanded)
- XXIII. **Crystal structure of ethyl 4-(2-oxobenzothiazolin-3-yl)butanoate, C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>S**  
Baysen F., Yağbasan R., İDE S., Şahin E., Çakir B., DÜNDAR Y.  
Zeitschrift für Kristallographie - New Crystal Structures, vol.217, no.1, pp.529-530, 2002 (SCI-Expanded)
- XXIV. **Crystal structure of ethyl 4-(2-oxobenzothiazolin-3-yl)butanoate, C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>S**  
Baysen F., Yagbasan R., İDE S., Sahin E., Cakir B., Dundar Y.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.217, no.4, pp.529-530, 2002 (SCI-

Expanded)

## Articles Published in Other Journals

- I. **Synthesis and biological evaluation of some 4-amino-3-mercapto-1,2,4-triazoles bearing mannich base**  
DÜNDAR Y., KAYNAK ONURDAĞ F., ÖNKOL T.  
Bioorganic Medicinal Chemistry Reports, vol.2, pp.32-37, 2019 (Peer-Reviewed Journal)
- II. **MICROWAVE ASSISTED SYNTHESIS AND ANTIMICROBIAL EVALUATION OF MANNICHBASES OF 3,4-ARYLIDENEAMINO-5-THIOXO-1,2,4-TRIAZOL-3-YL METHYL-2,3-BENZOXAZOLONE DERIVATIVES**  
DÜNDAR Y., KAYNAK ONURDAĞ F., ÖNKOL T.  
Int. J. Curr.Res.Chem.Pharma.Sci., vol.2, no.2, pp.1-7, 2015 (Peer-Reviewed Journal)
- III. **Synthesis of (6-substituted-3(2H)-pyridazinon-2-yl) acetic acid and (6-substituted-3(2H)-pyridazinon-2-yl) acetamide derivatives and investigation of their analgesic and anti-inflammatory activities**  
Gökçe M., DÜNDAR Y., Küpeli E.  
Fabad Journal of Pharmaceutical Sciences, vol.35, no.1, pp.1-11, 2010 (Scopus)
- IV. **Studies on the synthesis and antinociceptive activity of 1-[4-(2-oxo-2,3-dihydro-1,3-benzoxazol-3-yl)butanoyl]-4-aryl or alkyl substituted piperazine derivatives**  
DÜNDAR Y., Çakir B., Erol K., ŞAHİN M. G.  
Gazi Üniversitesi Eczacılık Fakültesi Dergisi, vol.20, no.1, pp.21-30, 2003 (Scopus)
- V. **(2-Oxobenzazolin-3-yl) alkanolic acid derivatives and antinociceptive activity**  
ÖNKOL T., DÜNDAR Y., Sirmagül B., Erol K., ŞAHİN M. G.  
Gazi Üniversitesi Eczacılık Fakültesi Dergisi, vol.19, no.1, pp.15-24, 2002 (Scopus)

## Books & Book Chapters

- I. **Türk Farmakopesi**  
TUNÇBİLEK M., YEŞİLADA A., BALKAN A., TOZKOPARAN B., PALASKA E., ÖZKANLI F., KÜÇÜKGÜZEL İ., GÖKHAN KELEKÇİ N., ŞİMŞEK R., SARAÇ TARHAN S., et al.  
T. C. Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, Ankara, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **KAMBİNOL TÜREVİ BİLEŞİKLERİN SENTEZİ VE NÖTRAL SFİNGOMİYELİNAZ, ASETİLKOLİNESTERAZ VE BUTİRİLKOLİNESTERAZ ENZİMLERİ ÜZERİNE ETKİLERİNİN İNCELENMESİ**  
KUYRUKÇU ÖZTÜRK Ö., DÜNDAR Y.  
VII. Ulusal Farmasötik Kimya Kongresi, İzmir, Turkey, 26 - 28 October 2024
- II. **DESIGN, SYNTHESIS, AND BIOLOGICAL EVALUATION OF SOME HEXAHYDROPYRIMIDINE DERIVATIVES AS BACILLUS CEREUS SPHINGOMYELINASE INHIBITORS**  
KUYRUKÇU ÖZTÜRK Ö., DÜNDAR Y.  
EFMC-YMCS, 11th EFMC Young Medicinal Chemists' Symposium, Roma, Italy, 5 - 06 September 2024
- III. **SYNTHESIS AND BIOLOGICAL ACTIVITIES OF SOME BENZAZOLE DERIVATIVES**  
YILDIRIM N. N., KUYRUKÇU ÖZTÜRK Ö., DÜNDAR Y.  
International Multidisciplinary Symposium on Drug Research and Development (DRD) 2023, İzmir, Turkey, 4 - 06 May 2023
- IV. **QUINAZOLINE DERIVATIVES AS NEUTRAL SPHINGOMYELINASE INHIBITORS**  
KUYRUKÇU Ö., DÜNDAR Y.

EFMC-YMCS, 9th EFMC Young Medicinal Chemist Symposium, Nice, France, 8 - 09 September 2022

- V. **BAZI KİNAZOLİN TÜREVLERİNİN SENTEZİ VE NÖTRAL SFİNGOMİYELİNAZ ENZİMİ ÜZERİNE ETKİLERİ**  
KUYRUKÇU Ö., DÜNDAR Y.  
VI. Ulusal Farmasötik Kimya Kongresi, İstanbul, Turkey, 26 - 29 August 2022
- VI. **Novel Pyridazinone Derivatives as Selective Butrylcholinesterase Inhibitors**  
DÜNDAR Y., KUYRUKÇU Ö., EREN G., ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ.  
EFMC- YMCS, 6th EFMC Young Medicinal Chemist Symposium, 5 - 06 September 2019
- VII. **Karbamat Yapısı Taşıyan Piridazin Türevlerinin Sentezi, Asetilkolinesteraz/ Butirilkolinesteraz İnhibitör Aktiviteleri ve Moleküler Modelleme Çalışmaları**  
KUYRUKÇU Ö., ŞENOL DENİZ F. S., EREN G., ERDOĞAN ORHAN İ., DÜNDAR Y.  
2. Ulusal Marmara Eczacılık Kongresi (UMEK-2), Turkey, 14 - 16 November 2018
- VIII. **Synthesis and Antibacterial and Antitubercular Activity of Ofloxacin Derivatives**  
DÜNDAR Y., ÜLGER M., KAYNAK ONURDAĞ F., ÖNKOL T.  
17th Hellenic Symposium on Medicinal Chemistry, 1 - 03 June 2017
- IX. **Carbamate Derivatives of Pyridazinone as Acetylcholinesterase Inhibitors**  
ÇİÇEKLİ Ş., DÜNDAR Y., ŞENOL F. S., ERDOĞAN ORHAN İ., YILDIZ İ., ÖNKOL T.  
ICSD International Conference on Sustainable Development, Macedonia, 19 - 23 October 2016
- X. **Carbamate Derivatives of Pyridazinone as Acetylcholinesterase Inhibitors ICSD International Conference on Sustainable Development**  
Çiçekli S., DÜNDAR Y., ERDOĞAN ORHAN İ., YILDIZ İ., ÖNKOL T.  
ICSD International Conference on Sustainable Development, 19 - 23 October 2016
- XI. **Bazı Piridopiridazin Türevi Bileşiklerin Sentezi ve Biyolojik Aktiviteleri Üzerine Çalışmalar**  
AKÇAY S., ÜLGER M., KAYNAK ONURDAĞ F., DÜNDAR Y.  
IV. Ulusal Farmasötik Kimya Kongresi, Girne, Cyprus (Kktc), 29 April - 01 May 2016
- XII. **Synthesis And Antinociceptive Activity Of Meperidineliike Benzimidazole Derivatives** 12 15 November 2015 Antalya Türkiye  
ERCANLI T., BAL N. B., Özdemir E. D., DÜNDAR Y., ULUDAĞ M. O., ÇAKIR B., ÖZDEN S. T., ÖNKOL T.  
1st International Gazi Pharma Symposium Series (GPSS-2015), 12 - 15 November 2015
- XIII. **SYNTHESIS AND ANTINOCICEPTIVE ACTIVITY OF MEPERIDINELIKEBENZIMIDAZOLE DERIVATIVES**  
TANER E., BAL N. B., ELİF DERYA Ö., DÜNDAR Y., ULUDAĞ M. O., ÇAKIR B., ÖZDEN T., ÖNKOL T.  
1st International Gazi Pharma SymposiumSeries (GPSS-2015), 12 - 15 November 2015
- XIV. **STUDY ON SYNTHESIS AND BIOLOGICAL ACTIVITY OF SOMEPYRIDOPYRIDAZINE DERIVATIVES**  
SEVİLAY A., ÜLGER M., KAYNAK ONURDAĞ F., DÜNDAR Y.  
1st International Gazi Pharma SymposiumSeries (GPSS-2015), 12 - 15 November 2015
- XV. **Impact of quorum sensing inhibition on infection and biofilm formation in cochlear implants and deveelopment of otitis media: Preliminary results**  
CEVİZCİ R., DÜZLÜ M., NOYANALPAN N., DÜNDAR Y., SULTAN M. N., TUTAR H., BAYAZIT Y. A.  
1st Global Otological Research Forum (GLORF), Antalya, Turkey, 13 November 2013

## Metrics

Publication: 45

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Citation (Scopus): 219

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H-Index (Scopus): 9