



# EFE DOĞUKAN DİNCEL

## ASST. PROF.

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### International Researcher IDs

ORCID: 0000-0002-5445-0600

Publons / Web Of Science ResearcherID: AAT-2753-2020

Yoksis Researcher ID: 257298



### Learning Knowledge

Doctorate  
2017 - 2022

Istanbul University, Health Sciences Institute, Eczacılık Fakültesi Bölümü, Turkey

Undergraduate  
2009 - 2014

Marmara University, Faculty Of Pharmacy, Eczacılık, Turkey

Postgraduate  
2009 - 2014

Marmara University, Faculty Of Pharmacy, Eczacılık, Turkey

### Foreign Languages

English, C2 Mastery

### Certificates, Courses and Trainings

Health&Medicine, Asian Federation for Medicinal Chemistry (AFMC) 12th International Symposium (AIMECS 2019),

Asian Federation for Medicinal Chemistry (AFMC) 12th International Symposium (AIMECS 2019), 2019

Health&Medicine, International Multidisciplinary Symposium on Drug Research and Development (DRD 2019),

International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), 2019

Health&Medicine, 5th International Symposium On Multidisciplinary Studies, 5th International Symposium On Multidisciplinary Studies, 2018

Health&Medicine, 1st International Symposium On Graduate Research In Science Focus On Entrepreneurship And Innovation, 1st International Symposium On Graduate Research In Science Focus On Entrepreneurship And Innovation, 2018

Health&Medicine, 3. Uluslararası İlaç ve Eczacılık Kongresi, İVEK, 2017

Other, Symposium on Multidisciplinary R&D and Innovation in Life Sciences, İstanbul Üniversitesi Fen Fakültesi, 2012

## Dissertations

Doctorate, İmidazotiyazol türevi yeni moleküllerin sentez, yapı tayini, biyolojik aktivite ve moleküler modelleme çalışmaları, Istanbul University, Health Sciences Institute, Eczacılık Fakültesi Bölümü, 2022

## Academic Titles / Tasks

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Assistant Professor  
2024 - Continues

Istanbul University, Faculty Of Pharmacy , Department Of Professional  
Pharmaceutical Sciences

## Supported Projects

1. GÜZELDEMİRCİ N., DİNCEL E. D., COŞAR E. D., ŞENOĞLU S., YILDIRIM E. R., Project Supported by Higher Education Institutions, Yeni Biyolojik Aktif Hibrit İndol Bileşikleri, 2022 - Continues
2. Dincel E. D., Yılmaz Özden T., Hasbal Çelikok G., Güzeldemirci N., Project Supported by Higher Education Institutions, İmidazotiyazol Türevi Yeni Moleküllerin Sentez Yapı Tayini Moleküler Modelleme ve Alfa Glukozidaz İnhibitörü Aktivite Çalışmaları, 2023 - 2025
3. TAN N., GÖREN A. C., TUFAN S., GÜZELDEMİRCİ N., YAZICI TÜTÜNİŞ S., DİNCEL E. D., MİSKİ M., ALİM G. Ö., TOPÇU G., Project Supported by Higher Education Institutions, Anadolu'da Yetişen Salvia Türlerinin Kimyasal İçeriklerinin LC/HRMS Yöntemi ile Analizi, Antimikrobiyal ve Antitüberküler Aktivitelerinin in silico olarak Değerlendirilmesi ve Antikolinesteraz Aktivitelerinin Tayini, 2020 - 2023
4. GÜZELDEMİRCİ N., DİNCEL E. D., Project Supported by Higher Education Institutions, İmidazotiyazol Türevi Yeni Moleküllerin Sentez, Yapı Tayini, Biyolojik Aktivite ve Moleküler Modelleme Çalışmaları, 2019 - 2022
5. GÜZELDEMİRCİ N., DİNCEL E. D., Project Supported by Higher Education Institutions, Yeni süstitüe tiyosemikarbazid ve türevi bileşikler üzerinde çalışmalar, 2017 - 2020

## Scholarships

2211-C Öncelikli Alanlara Yönelik Yurt İçi Doktora Burs Programı, TÜBİTAK, 2019 - 2022

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

1. **Design, synthesis, and evaluation of novel bistrifluoromethyl-based hydrazones as dual inhibitors of acetylcholinesterase and carbonic anhydrase enzymes for Alzheimer's disease**  
DİNCEL E. D., Başoğlu-Ünal F., Kuran E. D., Kayra T., Aydın N., Kanber E., GÜLÇİN İ., Ulusoy-Güzeldemirci N.  
Chemical Biology and Drug Design, vol.103, no.2, 2024 (SCI-Expanded)
2. **Synthesis and in vitro carbonic anhydrase and acetylcholinesterase inhibitory activities of novel hydrazide-hydrazone compounds containing 1,2,4-triazole ring**  
DİNCEL E. D., Kuran E. D., Onarer B., Fıstıkçı Y., GÜLÇİN İ., Ulusoy-Güzeldemirci N.  
Phosphorus, Sulfur and Silicon and the Related Elements, vol.199, no.3, pp.236-244, 2024 (SCI-Expanded)
3. **Synthesis of Novel Carboxamide Derivatives: Insecticidal Activity, Acetylcholinesterase Activity and In Silico Calculations**  
Mermer A., Yorulmaz S., DİNCEL E. D., Şirin Y., Güzeldemirci N. U.  
Journal of Molecular Structure, vol.1294, 2023 (SCI-Expanded)
4. **Design, synthesis and biological evaluation of novel tetralone/indanone containing thiosemicarbazone derivatives with selective COX-2 inhibition as anticancer agents**  
Kuran E. D., DİNCEL E. D., Biltekin S. N., Akalın-Çiftçi G., Ulusoy-Güzeldemirci N.

Journal of Molecular Structure, vol.1286, 2023 (SCI-Expanded)

5. **Design, synthesis, characterization, molecular docking studies and anticancer activity evaluation of novel hydrazinecarbothioamide, 1,2,4-triazole-3-thione, 4-thiazolidinone and 1,3,4-oxadiazole derivatives**  
Dincel E. D., Akdag C., Kayra T., Cosar E. D., Aksoy M. O., AKALIN ÇİFTÇİ G., Ulusoy-Guzeldemirci N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1268, 2022 (SCI-Expanded)
6. **Design, synthesis, biological evaluation, molecular docking, and dynamic simulation study of novel imidazo[2,1-b]thiazole derivatives as potent antioxidant agents**  
DİNCEL E. D., HASBAL ÇELİKOK G., YILMAZ ÖZDEN T., Ulusoy-Güzeldemirci N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1258, 2022 (SCI-Expanded)
7. **Anticholinesterase activities of novel indole-based hydrazide-hydrazone derivatives: Design, synthesis, biological evaluation, molecular docking study and in silico ADME prediction**  
Coşar E. D., DİNCEL E. D., Demiray S., Sucularlı E., Tüccaroğlu E., ÖZSOY N., Ulusoy-Güzeldemirci N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1247, 2022 (SCI-Expanded)
8. **Design, biological evaluation, molecular docking study and in silico ADME prediction of novel imidazo[2,1-b]thiazole derivatives as a novel class of alpha-glucosidase inhibitors**  
DİNCEL E. D., HASBAL ÇELİKOK G., YILMAZ ÖZDEN T., GÜZELDEMİRCİ N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1245, 2021 (SCI-Expanded)
9. **Design, synthesis, characterization and antimicrobial evaluation of some novel hydrazinecarbothioamide, 4-thiazolidinone and 1,2,4-triazole-3-thione derivatives**  
Dincel E. D., Ulusoy-Güzeldemirci N., Şatana D., Küçükbasmacı Ö.  
Journal Of Heterocyclic Chemistry, vol.58, no.1, pp.195-205, 2021 (SCI-Expanded)
10. **Design, synthesis, characterization and antimicrobial evaluation of some novel hydrazinecarbothioamide, 4-thiazolidinone and 1,2,4-triazole-3-thione derivatives**  
Dincel E. D., Ulusoy-Guzeldemirci N., Satana D., KÜÇÜKBASMACI Ö.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.1, pp.195-205, 2021 (SCI-Expanded)
11. **Antioxidant activity of novel imidazo[2,1-b]thiazole derivatives: Design, synthesis, biological evaluation, molecular docking study and in silico ADME prediction**  
DİNCEL E. D., Gürsoy E., Yilmaz-Ozden T., Ulusoy-Güzeldemirci N.  
Bioorganic Chemistry, vol.103, 2020 (SCI-Expanded)
12. **Design and synthesis of novel Imidazo[2,1-b]thiazole derivatives as potent antiviral and antimycobacterial agents**  
Gursoy E., DİNCEL E. D., Naesens L., Guzeldemirci N.  
BIOORGANIC CHEMISTRY, vol.95, 2020 (SCI-Expanded)
13. **Evaluation of drug burden index in elderly patients utilized disposable insulin pen**  
OKUYAN B., Aydinli Z., ÇELİK İ., DİNCEL E. D., Say T., Yavuz D., Selcuk A., Yang S., Babi B., SANCAR M.  
INTERNATIONAL JOURNAL OF CLINICAL PHARMACY, vol.37, no.1, pp.203-204, 2015 (SCI-Expanded)

## Articles Published in Other Journals

1. **Synthesis, in vitro acetylcholinesterase inhibitory activity and molecular modeling studies of imidazo[2,1-b]thiazole derivatives bearing thiosemicarbazide moiety**  
DİNCEL E. D., HASBAL ÇELİKOK G., YILMAZ ÖZDEN T., Ulusoy-Güzeldemirci N.  
Journal of Research in Pharmacy, vol.28, no.1, pp.155-163, 2024 (ESCI)
2. **Novel 4-thiazolidinone derivatives bearing imidazo2,1-bthiazole moiety: design, synthesis, and antiviral activity evaluation**  
Başoğlu-ünal F., Cimok S., DİNCEL E. D., Naesens L., Ulusoy-Güzeldemirci N.  
Journal of Research in Pharmacy, vol.27, no.2, pp.924-935, 2023 (Scopus)
3. **Synthesis, characterization and antimicrobial evaluation of new 2-(2-thienylcarbonyl)hydrazono-3-alkyliaryl-4-thiazolidinone and 2-aryl-3-(2-thienylcarbonyl)amino-4-thiazolidinone derivatives**

Dincel E. D., Satana D., Özbey S., Ulusoy-Guzeldemirci N.

JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.3, pp.641-654, 2022 (ESCI)

4. **Synthesis and computer – aided drug design studies of novel thiosemicarbazide derivatives as potent and target – oriented anti – cancer agents**

Güzeldemirci N., Dincel E. D.

Medicine Science, vol.9, no.2, pp.305-313, 2020 (Peer-Reviewed Journal)

5. **Discovery, Synthesis and Activity Evaluation of Novel Compounds Bearing 1,2,4-triazolo[3,4-b][1,3,4]thiadiazine Moiety: A Review**

DİNCEL E. D., GÜZELDEMİRÇİ N.

Istanbul University Institute of Health Sciences Journal of Advanced Research in Health Sciences, vol.2, no.2, pp.60-70, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **CURRENT ADVANCES IN MEDICINAL CHEMISTRY OF ANTICANCER AGENTS**

Dincel E. D., Güzeldemirci N.

in: CANCER: FROM GENOMICS TO PHARMACEUTICS, Zeynep Karakaş, Meryem Sedef Erdal, Müge Sayitoğlu, Merva Soluk Tekkes, Editor, Istanbul University, İstanbul, pp.263-282, 2024

## Refereed Congress / Symposium Publications in Proceedings

1. **New Biologically Active Hybrid Indole Compounds**

Öztürk T. E., Dincel E. D., Kuran E. D., Yıldırım E. R., Güzeldemirci N.

9th International BAU Drug Design Congress, İstanbul, Turkey, 29 November - 02 December 2023, pp.67

2. **Design, synthesis, and in vitro pharmacological evaluation of bistrifluoromethyl-derived hydrazide-hydrazones as acetylcholinesterase inhibitors**

Coşar E. D., Dincel E. D., Kayra T., Gülçin İ., Güzeldemirci N.

LATIN AMERICAN INTERNATIONAL CONFERENCE ON NATURAL AND APPLIED SCIENCES-III, Mexico City, Mexico, 4 - 06 October 2022, pp.1-2

3. **Design, Synthesis, Characterization, Molecular Docking Studies and Anticancer Activity Evaluation of Novel Hydrazinecarbothioamide, 1,2,4-Triazole-3-Thione, 4-Thiazolidinone and 1,3,4-Oxadiazole Derivatives**

Dincel E. D., Coşar E. D., Akdağ Ç., Kayra T., Aksoy M. O., Akalın Çiftçi G., Güzeldemirci N.

2. Computer-Aided Drug Design Symposium and Workshop - Linking Design, Biology, Chemistry and Medicine, İstanbul, Turkey, 11 - 12 May 2022, pp.20

4. **Synthesis of novel hydrazinecarbothioamide derivatives containing naphthalene ring and anticancer studies**

Coşar E. D., Dincel E. D., Akalın Çiftçi G., Güzeldemirci N.

3rd International Gazi Pharma Symposium Series (Faculty of Pharmacy – Gazi University), Ankara, Turkey, 8 - 10 September 2021, pp.79

5. **Synthesis of Novel Thiosemicarbazone Derivatives Containing Indene Group and Anticancer Studies Against A549 Lung Cancer Cell Line**

Coşar E. D., Dincel E. D., Akalın Çiftçi G., Güzeldemirci N.

1. International Marmara Scientific Research and Innovation Congress, İstanbul, Turkey, 21 - 22 August 2021, pp.673

6. **Computational approach for generating robust models for discovering novel imidazo[2,1-b]thiazole derivatives as pantothenate synthetase inhibitors**

Güzeldemirci N., Dincel E. D., Coşar E. D., Karaman Mayack B.

7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.3-4

7. **Synthesis and computer-aided drug design studies of novel 4-aryl-1,2,4-triazole-3-thione derivatives as potent and target-oriented therapeutic agents**  
Güzeldemirci N., Dincel E. D.  
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.1-2
8. **SYNTHESIS AND COMPUTER-AIDED DRUG DESIGN STUDIES OF NOVEL 1,2,4-TRIAZOLE-3-THIONE DERIVATIVES AS POTENT AND TARGET-ORIENTED THERAPEUTIC AGENTS**  
DİNCEL E. D., GÜZELDEMİRCİ N.  
Asian Federation for Medicinal Chemistry (AFMC) 12th International Symposium (AIMECS 2019), İstanbul, Turkey, 8 - 11 September 2019, pp.112-113
9. **"SYNTHESIS AND COMPUTER-AIDED DRUG DESIGN STUDIES OF NOVEL THIOSEMICARBAZIDE DERIVATIVES AS POTENT AND TARGET-ORIENTED ANTI-CANCER AGENTS"**  
DİNCEL E. D., GÜZELDEMİRCİ N.  
International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.59-71
10. **Research Advances On New Hybrid Compounds Which Are Capable Of Being Used As Multi-target-directed Ligands In The Treatment Of Alzheimer's Disease**  
DİNCEL E. D., Ece A., Coşar E. D., GÜZELDEMİRCİ N.  
5th International Symposium On Multidisciplinary Studies, Ankara, Turkey, 16 - 17 November 2018, pp.872
11. **An Overview Of New Effective Metallo- $\beta$ -lactamase Inhibitors Against  $\beta$ -lactamase Resistant Bacterias**  
DİNCEL E. D., ECE A., GÜZELDEMİRCİ N.  
5th International Symposium On Multidisciplinary Studies, Ankara, Turkey, 16 - 17 November 2018, pp.659
12. **Compounds Bearing 1,2,4-triazole-3-thione Moiety: The Current Advances**  
DİNCEL E. D., GÜZELDEMİRCİ N.  
5th International Symposium On Multidisciplinary Studies, Ankara, Turkey, 16 - 17 November 2018, pp.695
13. **DISCOVERY, SYNTHESIS AND ACTIVITY EVALUATION OF NEW COMPOUNDS BEARING IMIDAZO[2,1-b]THIAZOLE MOIETY: A REVIEW**  
DİNCEL E. D., GÜZELDEMİRCİ N.  
1st International Symposium on Graduate Research in Science, İstanbul, Turkey, 4 - 06 October 2018
14. **Impact of communication on patient-centered healthcare services**  
DİNCEL E. D., Aksu N. B., Yeğen G., Yeşilada A.  
77th FIP World Congress of Pharmacy and Pharmaceutical Sciences, Seoul, South Korea, 10 - 14 September 2017
15. **Case Report: Physicochemical incompatibility between Intravenous Thiopental Sodium and Magnesium Sulfate**  
DİNCEL E. D., Abunahlah N., Servi H., Olgun A., Şevketoğlu E.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.942
16. **Serbest eczanelerde elektronik bilgi kaynaklarının kullanımının hasta odaklı ilaç tedavisine katkılarının araştırılması**  
DİNCEL E. D., Gegez A. E., Aksu N. B., Sayan E. P.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.381
17. **Evaluation of Drug Burden Index in Elderly Patients Utilized Inhaler**  
DİNCEL E. D., Okuyan B., Aydınlı Z., Çelik I., Say T., Yavuz D., Selçuk A., Yang S., Sancar M.  
Fourth International Meeting On Pharmacy & Pharmaceutical Sciences (IMPPS-4), İstanbul, Turkey, 18 - 21 September 2014, pp.86
18. **Evaluation of Drug Burden Index in Elderly Patients Utilized Disposable Insulin Pen**  
DİNCEL E. D., Okuyan B., Aydınlı Z., Çelik I., Say T., Yavuz D., Selçuk A., Yang S., Sancar M.  
Fourth International Meeting On Pharmacy & Pharmaceutical Sciences (IMPPS-4), İstanbul, Turkey, 18 - 21 September 2014, pp.85
19. **Determination of Drug Related Problem and Drug Burden Index in Elderly Patients**

DİNCEL E. D., Sancar M., Okuyan B., Aydınlı Z., Çelik I., Say T., Yavuz D., Selçuk A., Yang S.  
Fourth International Meeting On Pharmacy & Pharmaceutical Sciences (IMPPS-4), İstanbul, Turkey, 18 - 21  
September 2014, pp.85

## Activities in Scientific Journals

JOURNAL OF RESEARCH IN PHARMACY, Editor, 2023 - Continues

## Scientific Refereeing

BMC Chemistry, Journal Indexed in SCI-E, August 2022

RESEARCH ON CHEMICAL INTERMEDIATES, Journal Indexed in SCI-E, August 2022

JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, April 2022

JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, February 2022

JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, February 2022

JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, May 2021

## Metrics

Publication: 38

Citation (WoS): 140

Citation (Scopus): 217

H-Index (WoS): 7

H-Index (Scopus): 7

## Congress and Symposium Activities

Asian Federation for Medicinal Chemistry (AFMC) 12th International Symposium (AIMECS 2019), Attendee, İstanbul, Turkey, 2019

International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), Attendee, Malatya, Turkey, 2019

5th International Symposium On Multidisciplinary Studies, Attendee, Ankara, Turkey, 2018

1st International Symposium on Graduate Research in Science, Attendee, İstanbul, Turkey, 2018

IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, Attendee, İstanbul, Turkey, 2017

Symposium on Multidisciplinary R&D and Innovation in Life Sciences, Attendee, İstanbul, Turkey, 2012

## Research Areas

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