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International Researcher IDs

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Education Information

Doctorate, Istanbul University, Faculty Of Pharmacy , Farmasötik Kimya Anabilim Dalı, Turkey
2005 - 2010

Postgraduate, Istanbul University, Faculty Of Pharmacy , Farmasötik Kimya Anabilim Dalı,
Turkey 2003 - 2005

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Health&Medicine, İlaç Araştırmalarında Uygulamalı Moleküler Modelleme ve Simülasyon Teknikleri Kursu, Hacettepe
Üniversitesi Medisinal Kimya Araştırma, Geliştirme ve Uygulama Merkezi, 2013

Health&Medicine, Summer School on Molecular Modeling and Drug Design, Yeditepe Üniversitesi, 2008

Dissertations

Doctorate, İndol Halkası Taşıyan Benziliden Hidrazid ve 4-Tiyazolidinon Türevi Bileşikler Üzerine Araştırmalar, Istanbul
University, Faculty of Pharmacy , Farmasötik Kimya Anabilim Dalı, 2011

Postgraduate, İndol Türevi Spiroheterosiklik Bileşikler Üzerinde Çalışmalar, Istanbul University, Faculty of Pharmacy ,
Farmasötik Kimya Anabilim Dalı, 2005

Research Areas

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

Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences,

2020 - Continues

Assistant Professor, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences,

2018 - Continues

Assistant Professor, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences,

2015 - 2018

Research Assistant PhD, Istanbul University, Faculty of Pharmacy , Department of Professional Pharmaceutical Sciences,

2003 - 2015

Jury Memberships

Post Graduate, Gökçe CİHAN ÜSTÜNDAĞ, İstanbul Üniversitesi, September, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Antiviral activity and molecular modeling studies on 1H-indole-2,3-diones carrying a naphthalene moiety**
SOYLU ETER Ö., Duran G. N., Özbil M., GÖKTAŞ F., CİHAN ÜSTÜNDAĞ G., KARALI N. L.
JOURNAL OF MOLECULAR STRUCTURE, vol.1281, 2023 (SCI-Expanded)
- II. **Synthesis of new N-(3-oxo-1-thia-4-azaspiro[4.5]decan-4-yl)pyridine-3-carboxamide derivatives and evaluation of their anti-influenza virus and antitubercular activities**
Cihan-Ustundag G., Acar C., Naesens L., Erkose-Genc G., Satana D.
ARCHIV DER PHARMAZIE, vol.355, no.10, 2022 (SCI-Expanded)
- III. **Small-molecule antiviral agents in ongoing clinical trials for COVID-19.**
Apaydın Ç. B., Çınar G., Cihan-Üstündağ G.
Current drug targets, vol.22, pp.1986-2005, 2021 (SCI-Expanded)
- IV. **Superior inhibition of influenza virus hemagglutinin-mediated fusion by indole-substituted spirothiazolidinones**
Cihan-Ustundag G., Zopun M., Vanderlinden E., Ozkirimli E., Persoons L., Capan G., NAESENS L.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.28, no.1, 2020 (SCI-Expanded)
- V. **Design, synthesis, antitubercular and antiviral properties of new spirocyclic indole derivatives**
Cihan-Ustundag G., NAESENS L., Satana D., Erkose-Genc G., Mataraci-Kara E., Capan G.
MONATSHFTE FÜR CHEMIE, vol.150, no.8, pp.1533-1544, 2019 (SCI-Expanded)
- VI. **Diclofenac-Based Hydrazones and Spirothiazolidinones: Synthesis, Characterization, and Antimicrobial Properties**
Kocabalkanlı A., Cihan-Ustundag G., NAESENS L., Mataraci-Kara E., Nassozi M., Capan G.
ARCHIV DER PHARMAZIE, vol.350, no.5, 2017 (SCI-Expanded)
- VII. **Indole-based hydrazide-hydrazones and 4-thiazolidinones: synthesis and evaluation as antitubercular and anticancer agents**
Cihan-Ustundag G., Satana D., Ozhan G., Capan G.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.3, pp.369-380, 2016 (SCI-Expanded)
- VIII. **Synthesis and antiviral properties of novel indole-based thiosemicarbazides and 4-thiazolidinones**
Cihan-Ustundag G., Gursoy E., NAESENS L., Ulusoy-Guzeldemirci N., Capan G.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.2, pp.240-246, 2016 (SCI-Expanded)
- IX. **Synthesis, Characterization, Antimycobacterial and Anticancer Evaluation of New 1,2,4-Triazole Derivatives**
Cihan-Ustundag G., Simsek B., İlhan E., Capan G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.11, no.3, pp.290-296, 2014 (SCI-Expanded)
- X. **5-Fluoro-N-(2-methyl-3-oxo-1-thia-4-azaspiro[4.5]dec-4-yl)-3-phenyl-1H-indole-2-carbohydrazide**
Türktekin-Çelikesir S., Akkurt M., CİHAN ÜSTÜNDAĞ G., Büyükgüngör O.

ACTA CRYSTALLOGRAPHICA SECTION A, vol.69, 2013 (SCI-Expanded)

- XI. **5-Fluoro-N'-(4-methylcyclohexylidene)-3-phenyl-1H-indole-2-carbohydrazide**
Türktekin-Çelikesir S., Akkurt M., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., Büyükgüngör O.
ACTA CRYSTALLOGRAPHICA SECTION A, vol.69, pp.1211-1212, 2013 (SCI-Expanded)
- XII. **5-Fluoro-3-phenyl-N'-(4-propylcyclohexylidene)-1H-indole-2-carbohydrazide.**
Türktekin-Çelikesir S., Akkurt M., CİHAN ÜSTÜNDAĞ G., Büyükgüngör O.
ACTA CRYSTALLOGRAPHICA SECTION A, vol.69, 2013 (SCI-Expanded)
- XIII. **N-(4-Ethylcyclohexylidene)-5-fluoro-3-phenyl-1H-indole-2-carbohydrazide**
Akkurt M., Türktekin Çelikesir S., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., Büyükgüngör O.
ACTA CRYSTALLOGRAPHICA SECTION A, vol.E69, pp.1331, 2013 (SCI-Expanded)
- XIV. **Synthesis and evaluation of functionalized indoles as antimycobacterial and anticancer agents**
Cihan-Ustundag G., Capan G.
MOLECULAR DIVERSITY, vol.16, no.3, pp.525-539, 2012 (SCI-Expanded)
- XV. **5-Chloro-4'-ethyl-3H-spiro[1,3-benzothiazole-2,1'-cyclohexan]**
Akkurt M., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., Türktekin-Çelikesir S., Tahir M. N.
ACTA CRYSTALLOGRAPHICA SECTION A, vol.E68, pp.1466, 2012 (SCI-Expanded)
- XVI. **4'-tert-Butyl-5-chloro-3H-spiro[1,3-benzothiazole-2,1'-cyclohexan]**
Akkurt M., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., Dağdemir Y., Tahir M. N.
ACTA CRYSTALLOGRAPHICA SECTION A, vol.E68, 2012 (SCI-Expanded)
- XVII. **5-Fluoro-N'-(E)-4-methoxybenzylidene]-3-phenyl-1H-indole-2-carbohydrazide**
AKKURT M., Celik I., Cihan G., Capan G., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- XVIII. **4-{3-[Hydroxy(phenyl)methyl]-5-thioxo-4,5-dihydro-1H-1,2,4-triazol-4-yl}benzenesulfonamide**
AKKURT M., Celik I., Cihan G., Capan G., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.66, 2010 (SCI-Expanded)
- XIX. **5-Fluoro-N-[(E)-4-methoxybenzylidene]-3-phenyl-1H-indole-2-carbohydrazide**
Akkurt M., Çelik İ., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., Büyükgüngör O.
ACTA CRYSTALLOGRAPHICA SECTION A, vol.E66, 2010 (SCI-Expanded)
- XX. **N'-[(2Z)-3-Allyl-4-oxo-1,3-thiazolidin-2-ylidene]-5-fluoro-3-phenyl-1H-indole-2-carbohydrazide**
AKKURT M., Karaca S., Cihan G., Capan G., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design, synthesis and biological evaluation of novel sulfonamide hydrazones as α -glucosidase and α -amylase inhibitors**
Apaydın Ç. B., Hasbal Çelikok G., Yılmaz Özden T., Cihan Üstündağ G.
Istanbul Journal of Pharmacy, vol.52, no.2, pp.108-113, 2022 (ESCI)
- II. **Anti-proliferative effects of indomethacin, acemetacin and their tromethamine salts in HCT116 human colon cancer cells**
Cihan Üstündağ G., Somuncu B., Müftüoğlu M., Karalı N. L.
Istanbul Journal of Pharmacy, vol.51, no.2, pp.161-166, 2021 (ESCI)
- III. **Synthesis, characterization, antibacterial and antifungal evaluation of novel cyclohexanone benzoylhydrazones**
Cihan-Ustundag G., Mataraci-Kara E., Capan G.
ISTANBUL JOURNAL OF PHARMACY, vol.49, no.3, pp.142-147, 2019 (ESCI)
- IV. **Antioxidant and cytotoxic properties of novel spirocyclic benzothiazolines**
Cihan-Ustundag G., Ozsoy N., Oztas E., Karali N. L., Capan G.
MARMARA PHARMACEUTICAL JOURNAL, vol.21, no.4, pp.978-986, 2017 (ESCI)
- V. **4'-tert-Butyl-5-chloro-3H-spiro[1,3-benzothiazole-2,1'-cyclohexane]**

- AKKURT M., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., DAĞDEMİR Y., Tahir M. N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- VI. **5-Chloro-4'-ethyl-3H-spiro[1,3-benzothiazole-2,1'-cyclohexane]**
AKKURT M., CİHAN ÜSTÜNDAĞ G., ÇAPAN G., TÜRKTEKİN ÇELİKESİR S., Tahir M. N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- VII. **Synthesis and biological evaluation of new sulfonamidoindoles**
Günay N. S., CİHAN ÜSTÜNDAĞ G., KOCABALKANLI A. Ş., ÇAPAN G.
MARMARA PHARMACEUTICAL JOURNAL, vol.15, pp.100-104, 2011 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and antiviral evaluation of new spiro compounds**
Çınar G., Cihan Üstündağ G.
11. International Drug Chemistry Conference, Antalya, Turkey, 9 - 12 March 2023, pp.84
- II. **A Broad Inhibitor of Coronavirus Replication Acting via the Nsp15 Endoribonuclease**
Van Loy B., Stevaert A., Cihan Üstündağ G., Vandeput J., Jochmans D., Dijkman R., Volker T., Çapan G., Naesens L.
ISIRV-AVG Virtual Conference on 'Therapeutics for COVID-19', 6 - 08 October 2020
- III. **Molecular modelling and antiviral activity of 1H-indole-2,3-dione derivatives carrying naphthalene moiety**
SOYLU Ö., Duran G. N., Özbil M., GÖKTAŞ F., CİHAN ÜSTÜNDAĞ G., Naesens L., KARALI N. L.
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.100-103
- IV. **A class of influenza virus fusion inhibitors with nanomolar activity and the same HA binding pocket as arbidol**
Naesens L., Cihan Üstündağ G., Zopun M., Özkırmı E., Persoons L., Vanderlinden E., Çapan G.
Options X for the Control of Influenza, Singapore, Singapore, 28 August - 01 September 2019, pp.1
- V. **Synthesis and antitubercular evaluation of new spirothiazolidinones**
CİHAN ÜSTÜNDAĞ G.
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28 - 29 June 2019, pp.113
- VI. **Tosil türevi spirothiazolidinon bileşiklerinin sentezi, yapı analizi ve antimikrobiyal aktivitelerinin incelenmesi**
Acar Ç., Cihan Üstündağ G., Mataracı Kara E., Şatana D.
2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018, pp.175
- VII. **INDOLE-DERIVED SPIROTHIAZOLIDINONES AS INHIBITORS OF INFLUENZA VIRUS FUSION**
CİHAN ÜSTÜNDAĞ G.
ISOPS 12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.114
- VIII. **İnfluenza virüs A/H3N2'ye etkili yeni molekül: İndol-spirothiazolidinon türevleri**
CİHAN ÜSTÜNDAĞ G.
I. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 3 - 05 November 2016, pp.82
- IX. **Indole-based hydrazide-hydrazones and 4-thiazolidinones: Synthesis and evaluation as antimycobacterial agents**
CİHAN ÜSTÜNDAĞ G., Şatana D., ÖZHAN G., ÇAPAN G.
14th Tetrahedron Symposium: Challenges in Organic & Bioorganic Chemistry, Austria, pp.32
- X. **İndol halkası taşıyan benziliden hidrazid ve 4-tiyazolidinon türevi bileşikler üzerine araştırmalar**
CİHAN ÜSTÜNDAĞ G., ÇAPAN G.
III. Ulusal Farmasötik Kimya Kongresi, Malatya, Turkey, 14 - 16 September 2012, pp.1
- XI. **Novel thiosemicarbazide and 4-thiazolidinone derivatives of 5-fluoro-3-phenyl-1H-indole**
CİHAN ÜSTÜNDAĞ G., Gürsoy E., ÇAPAN G., ULUSOY GÜZELDEMİR Cİ N.
1st Turkish-Russian Joint Meeting on Organic and Medicinal Chemistry, Antalya, Turkey, 14 - 17 October 2009, pp.52

- XII. **Synthesis and biological evaluation of substituted 2,4-dihydro-3H-1,2,4-triazole-3-thiones and their Mannich bases**
Yiğit B., CİHAN ÜSTÜNDAĞ G., İlhan E., ÇAPAN G.
9th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 23 - 26 June 2009, pp.194
- XIII. **New thiosemicarbazide and 4-thiazolidinone derivatives of 5-fluoro-3-phenyl-1H-indole**
CİHAN ÜSTÜNDAĞ G., Gürsoy E., ÇAPAN G., ULUSOY GÜZELDEMİRCİ N.
5th International Symposium on Pharmaceutical Chemistry, İstanbul, Turkey, 5 - 07 September 2007, pp.133
- XIV. **New cyclohexylidenehydrazide and 1-thia-4-azaspiro[4.5]decan-3-one derivatives of 5-fluoro-3-phenyl-1H-indole**
CİHAN ÜSTÜNDAĞ G., ÇAPAN G.
International Symposium on Medicinal Chemistry Research and Development, İzmir, Turkey, 28 September - 01 October 2005, pp.53

Supported Projects

KARALI N. L., CİNEK T., ÖZEN EROĞLU G., KOULANI T., CİHAN ÜSTÜNDAĞ G., KURUCA D. S., CAMCI M., CAMCI M., GENÇ AKAR Ö., YILDIRIM M., et al., Project Supported by Higher Education Institutions, Tirozin Kinaz İnhibitörü 3-Ariliden-2-indolinon Bileşiklerinin Tasarımı, Sentezi ve Biyolojik Etkilerinin İncelenmesi, 2020 - 2024

Apaydın Ç. B., Cihan Üstündağ G., TUBITAK Project, SARS-CovV-2'ye Karşı Etki Potansiyeline Sahip Yeni Spirotyazolidinon Bileşiklerinin Sentezi ve Yapı Tayini, 2021 - 2023

APAYDIN Ç. B., CİHAN ÜSTÜNDAĞ G., Project Supported by Higher Education Institutions, Antiviral etki potansiyeline sahip sülfamoil artığı taşıyan yeni spirotyazolidinon bileşiklerinin sentezi ve yapı tayini, 2020 - 2022

KARALI N. L., BOZDAĞ M., NAESENS L., CİHAN ÜSTÜNDAĞ G., GÖKTAŞ F., APAYDIN Ç. B., SUPURAN C. T., VULLO D., CARTA F., STEVAERT A., et al., Project Supported by Higher Education Institutions, Sülfamoilfenil artığı taşıyan 1H-indol-2,3-dion 3-tiyosemikarbazon türevleri: Moleküler modelleme, sentez, yapı tayini, antikanser ve antiviral etki tayini, 2018 - 2021

CİHAN ÜSTÜNDAĞ G., ŞATANA D., ÇAPAN G., Project Supported by Higher Education Institutions, İzoniazid benzeri yeni moleküllerin sentezi, yapı tayini ve in vitro antitüberküloz aktivitelerinin incelenmesi, 2016 - 2019

CİHAN ÜSTÜNDAĞ G., HALAMOĞLU Z., ÇAPAN G., Project Supported by Higher Education Institutions, "4-Ter-Butilbenzohidrazid Türevi Spirotyazolidinonlar Üzerinde Çalışmalar", 2013 - 2019

CİHAN ÜSTÜNDAĞ G., ACAR Ç., Project Supported by Higher Education Institutions, Tosil Türevi Spirotyazolidinon Bileşiklerinin Sentezi, Yapı Analizi ve Antimikrobiyal Aktivitelerinin İncelenmesi, 2017 - 2018

SANCAR S., KARALI N. L., BOLKENT Ş., ÖZTAY F., CİHAN ÜSTÜNDAĞ G., KAYALAR Ö., Project Supported by Higher Education Institutions, Yeni 3-ariliden-2-indolinon türevlerinin sitotoksik ve tirozin kinaz inhibitör etkilerinin belirlenmesi, 2017 - 2018

CİHAN ÜSTÜNDAĞ G., Project Supported by Higher Education Institutions, Antiviral Etki Potansiyeline Sahip Yeni Spirotyazolidinon Bileşiklerinin Sentezi Üzerine Araştırmalar, 2015 - 2018

KARALI N. L., ERASLAN P., GÖKTAŞ F., CİHAN ÜSTÜNDAĞ G., Project Supported by Higher Education Institutions, Yeni 1-sübstitüe 1H-indol-2,3-dion ve sülfamoil artığı taşıyan 1H-indol-2,3-dion-3-tiyosemikarbazon türevleri ve sentez yöntemleri, 2017 - 2017

KARALI N. L., ERASLAN P., GÖKTAŞ F., CİHAN ÜSTÜNDAĞ G., Project Supported by Higher Education Institutions, Yeni 1-sübstitüe 1H-indol-2,3-dion bileşikleri ve sentez yöntemleri, 2016 - 2016

KARALI N. L., GÖKTAŞ F., CİHAN ÜSTÜNDAĞ G., ERASLAN P., GÜL A., ERMAN B., LACK N., AKSOY SAĞIRLI P., SOYLU Ö., Project Supported by Higher Education Institutions, Kaspaz-1 ve/veya kaspaz-3 inhibitörü 1H-İndol-2,3-dion 3-(N-sülfamoilfenil)tiyosemikarbazon türevleri: Tasarım, moleküler modelleme, sentez ve biyolojik inceleme, 2013 - 2016

CİHAN ÜSTÜNDAĞ G., Project Supported by Higher Education Institutions, İndol-Spirotyazolidinon Türevi Yeni Bileşikler Üzerinde Antiviral Aktivite Çalışmaları, 2013 - 2016

CİHAN ÜSTÜNDAĞ G., Project Supported by Higher Education Institutions, Indole-based hydrazide-hydrazones and 4-thiazolidinones: synthesis and evaluation as antimycobacterial agents, 2013 - 2013

Patent

Karalı N. L., Cihan Üstündağ G., Cinek T., Öztay F., Sancar S., Bolkent Ş., Kuruca D. S., Özen Eroğlu G., NEW 3-ARYLIDEN-2-INDOLINONE DERIVATIVES FOR THERAPEUTIC PURPOSES, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/TR2023/050966 , Standard Registration, 2023

Karalı N. L., Cihan Üstündağ G., New 3-Arylidene-2-Indolinone Dervatives, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2020 050104 , Standard Registration, 2020, 2022

Karalı N. L., Göktaş F., Cihan Üstündağ G., Eraslan Elma P., New 1-substituted 1H-indole-2,3-dione compounds ve synthesis methods, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2015 15912 A2 , Standard Registration, 2019

Karalı N. L., Cihan Üstündağ G., Eraslan Elma P., Göktaş F., N-[(Aminosulfonyl)phenyl]2-(1,2-dihydro-2-oxo-3H-indol-3-ylidene)-hydrazinecarbothioamide derivatives for treating cancer and immunological disorders, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/TR2016/050491 , 2016

Metrics

Publication: 41

Citation (WoS): 146

Citation (Scopus): 202

H-Index (WoS): 8

H-Index (Scopus): 7