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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. **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)
- II. **Small-molecule antiviral agents in ongoing clinical trials for COVID-19.**
Apaydin Ç. B. , Çınar G., Cihan-Üstündağ G.
Current drug targets, vol.22, pp.1986-2005, 2021 (SCI-Expanded)
- III. **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)
- IV. **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.
MONATSCHEFTE FÜR CHEMIE, vol.150, no.8, pp.1533-1544, 2019 (SCI-Expanded)
- V. **Diclofenac-Based Hydrazones and Spirothiazolidinones: Synthesis, Characterization, and Antimicrobial Properties**
Kocabalkanli A., Cihan-Ustundag G., NAESENS L., Mataraci-Kara E., Nassozi M., Capan G.
ARCHIV DER PHARMAZIE, vol.350, no.5, 2017 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **Synthesis, Characterization, Antimycobacterial and Anticancer Evaluation of New 1,2,4-Triazole Derivatives**
Cihan-Ustundag G., Simsek B., Ilhan E., Capan G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.11, no.3, pp.290-296, 2014 (SCI-Expanded)
- IX. **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)
- X. **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)

- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- 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. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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., Capan 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., Capan G., TÜRKTEKİN ÇELİKESİR S., Tahir M. N.

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. **A Broad Inhibitor of Coronavirus Replication Acting via the Nsp15 Endoribonuclease**
Van Loy B., Stevaert A., Cihan Üstündağ G., Vandepuut J., Jochmans D., Dijkman R., Volker T., Çapan G., Naesens L.
ISIRV-AVG Virtual Conference on 'Therapeutics for COVID-19', 6 - 08 October 2020
- II. **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
- III. **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., Özkırmılı E., Persoons L., Vanderlinden E., Çapan G.
Options X for the Control of Influenza, Singapore, Singapore, 28 August - 01 September 2019, pp.1
- IV. **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
- V. **Tosil türevi spirotiyazolidinon 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
- VI. **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
- VII. **İnfluenza virüs A/H3N2'ye etkili yeni molekül: İndol-spirotiyazolidinon türevleri**
CİHAN ÜSTÜNDAĞ G.
I. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 3 - 05 November 2016, pp.82
- VIII. **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
- IX. **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
- X. **Novel thiosemicarbazide and 4-thiazolidinone derivatives of 5-fluoro-3-phenyl-1H-indole**
CİHAN ÜSTÜNDAĞ G., Gürsoy E., ÇAPAN G., ULUSOY GÜZELDEMİRCİ N.
1st Turkish-Russian Joint Meeting on Organic and Medicinal Chemistry, Antalya, Turkey, 14 - 17 October 2009, pp.52
- XI. **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
- XII. **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

- XIII. **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., KORKUT I. N. , ÖZEN EROĞLU G., KOULANI T., ERDEMİR G., CİHAN ÜSTÜNDAĞ G., KURUCA D. S. , CAMCI M., CAMCI M., Project Supported by Higher Education Institutions, Tirozin Kinaz İnhibitörü 3-Ariliden-2-indolinon Bileşiklerinin Tasarımı, Sentezi ve Biyolojik Etkilerinin İncelenmesi, 2020 - Continues
- Karalı N. L. , Cihan Üstündağ G., Bolkent Ş., Kuruca D. S. , Öztay F., Sancar S., Erol A., Yıldırım M., TUBITAK Project, Tirozin Kinaz İnhibitörü 2-İndolinon Türevleri: Tasarım, Sentez, Sitotoksisite, Etki Mekanizması ve Reseptör Kinaz İnhibitör Etki Tayini, 2022 - 2025
- Apaydın Ç. B. , Cihan Üstündağ G., TUBITAK Project, SARS-CovV-2'ye Karşı Etki Potansiyeline Sahip Yeni Spirotyazolidinon Bileşiklerinin Sentezi ve Yapı Tayini, 2021 - 2022
- 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
- KARALI N. L. , GÖKTAŞ F., CİHAN ÜSTÜNDAĞ G., Müftüoğlu M., Orer H., Erman B., Erman B., GÜL A., TUBITAK Project, Özgün 2-indolinon bileşiklerinin anti-interlökin 1 ve kemoterapötik ekinlik gösteren ilaçlar olarak geliştirilmesi, 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 3ariliden2indolinon 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., New 3-Arylidene-2-Indolinone Dervatives, Patent, CHAPTER A Human Needs, The Invention Recourse Number: TPE 2020/04769 , Standard Registration, 2020

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 , Registration in Multiple Countries, 2016

Metrics

Publication: 39

Citation (WoS): 146

Citation (Scopus): 163

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H-Index (Scopus): 6