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Education Information

Doctorate, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, Turkey 2014 - Continues

Under Graduate, Erciyes Üniversitesi, Eczacılık Fakültesi, Eczacılık, Turkey 2009 - 2014

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Pharmacology and Therapeutics, Pharmaceutical Chemistry

Academic Titles / Tasks

Research Assistant, Erciyes Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri , 2015 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Stability and reactivity study of bio-molecules brucine and colchicine towards electrophile and nucleophile attacks: Insight from DFT and MD simulations**
Mary Y. S. , Mary Y. S. , Armaković S., Armaković S. J. , Yadav R., ÇELİK İ., Mane P., Chakraborty B.
Journal of Molecular Liquids, vol.335, 2021 (Journal Indexed in SCI Expanded)
- II. **Modeling the structural and reactivity properties of hydrazono methyl-4H-chromen-4-one derivatives-wavefunction-dependent properties, molecular docking, and dynamics simulation studies.**
Mary Y. S. , Mary Y. S. , Resmi K. S. , Sarala S., Yadav R., Celik İ.
Journal of molecular modeling, vol.27, pp.186, 2021 (Journal Indexed in SCI Expanded)
- III. **Synthesis, in vitro antiprotozoal activity, molecular docking and molecular dynamics studies of some new monocationic guanidinobenzimidazoles.**
Doganc F., Celik İ., Eren G., Kaiser M., Brun R., Goker H.
European journal of medicinal chemistry, vol.221, pp.113545, 2021 (Journal Indexed in SCI Expanded)
- IV. **Theoretical investigation on the reactive and interaction properties of sorafenib – DFT, AIM, spectroscopic and Hirshfeld analysis, docking and dynamics simulation**
Mary Y. S. , Mary Y. S. , Rad A. S. , Yadav R., ÇELİK İ., Sarala S.
Journal of Molecular Liquids, vol.330, 2021 (Journal Indexed in SCI Expanded)
- V. **Molecular Modeling, Density Functional Theory, ADME Prediction and Antimicrobial Activity Studies of 2-(substituted)oxazolo[4,5-b]pyridine Derivatives**

Çelik İ., Erol M., Kuyucuklu G.

NEW JOURNAL OF CHEMISTRY, vol.46, pp.1-10, 2021 (Journal Indexed in SCI)

- VI. **Design, Synthesis, Molecular Docking, Density Functional Theory and Antimicrobial Studies of Some Novel Benzoxazole Derivatives as Structural Bioisosteres of Nucleotides**
Erol M., Çelik İ., Arpacı Ö., Kaynak Onurdağ F., Ökten S.
Journal Of Biomolecular Structure & Dynamics, vol.39, no.9, pp.3080-3091, 2021 (Journal Indexed in SCI)
- VII. **Investigation of reactive properties of an antiviral azatricyclo derivative–KDFT, MD and docking simulations**
Mary Y. S. , Mary Y. S. , Armaković S., Armaković S. J. , Pakosinska-Parys M., Yadav R., ÇELİK İ.
Journal of Molecular Structure, vol.1230, 2021 (Journal Indexed in SCI Expanded)
- VIII. **In Silico Evaluation of Potential Inhibitory Activity of Remdesivir, Favipiravir, Ribavirin and Galidesivir Active Forms on SARS-CoV-2 RNA Polymerase**
Çelik İ., Erol M., Düzgün Z.
Molecular Diversity, vol.46, pp.1-10, 2021 (Journal Indexed in SCI Expanded)
- IX. **DFT, docking, MD simulation, and vibrational spectra with SERS analysis of a benzoxazole derivative: an anti-cancerous drug**
Sheena Mary Y., Shyma Mary Y., Temiz-Arpaci O., Yadav R., ÇELİK İ.
CHEMICAL PAPERS, 2021 (Journal Indexed in SCI)
- X. **Synthesis, Molecular Docking, Molecular Dynamics, DFT and Antimicrobial Activity Studies of 5-substituted-2-(p-methylphenyl)benzoxazole Derivatives**
Erol M., Çelik İ., Kuyucuklu G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1234, no.130151, pp.1-10, 2021 (Journal Indexed in SCI)
- XI. **1H-Benzimidazole-5-Carboxamidines Derivatives: Design, Synthesis, Molecular Docking, DFT and Antimicrobial Studies**
Erol M., Çelik İ., Arpacı Ö., Göker A. H. , Kaynak Onurdağ F., Ökten S.
NEW JOURNAL OF CHEMISTRY, vol.44, pp.21309-21317, 2020 (Journal Indexed in SCI)
- XII. **Synthesis, Molecular Docking and DFT Studies of Some New 2,5-Disubstituted Benzoxazoles as Potential Antimicrobial and Cytotoxic Agents**
Erol M., Çelik İ., Uzunhisarcıklı E., Kuyucuklu G.
Polycyclic Aromatic Compounds, vol.40, pp.1-18, 2020 (Journal Indexed in SCI Expanded)
- XIII. **Synthesis, molecular docking and ADME prediction of some new benzimidazole carboxamidines derivatives as antimicrobial agents**
Erol M., Çelik İ., Arpacı Ö., Göker A. H. , Kaynak Onurdağ F., Ökten S.
Medicinal Chemistry Research, vol.29, pp.2028-2038, 2020 (Journal Indexed in SCI Expanded)
- XIV. **Approach to the mechanism of action of hydroxychloroquine on SARS-CoV-2: a molecular docking study**
Celik K., Onay-Besikci A., Ayhan-Kilcigil G.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- XV. **Antimicrobial and antiproliferative activity studies of some new quinoline-3-carbaldehyde hydrazone derivatives**
Püsküllü M. O. , Çelik İ., Erol M., Fatullayev H., Uzunhisarcıklı E., Kuyucuklu G.
Bioorganic Chemistry, vol.101,104014, pp.1-11, 2020 (Journal Indexed in SCI)
- XVI. **Evaluation of Activity of Some 2,5-Disubstituted Benzoxazole Derivatives against Acetylcholinesterase, Butyrylcholinesterase and Tyrosinase: ADME Prediction, DFT and Comparative Molecular Docking Studies**
Çelik İ., Erol M., Arpacı Ö., Şenol F. S. , Erdoğan Orhan İ.
Polycyclic Aromatic Compounds, vol.40, pp.1-13, 2020 (Journal Indexed in SCI Expanded)
- XVII. **In Vitro and In Silico Studies of Quinoline-2-Carbaldehyde Hydrazone Derivatives as Potent Antimicrobial Agents**
ÇELİK İ., EROL M., PÜSKÜLLÜ M. O. , UZUNHİSARCIKLİ E., İNCE U., KUYUCUKLU G., SUZEN S.
Polycyclic Aromatic Compounds, 2020 (Journal Indexed in SCI)

- XVIII. **Design, synthesis and docking studies of benzimidazole derivatives as potential EGFR inhibitors**
Celik İ., Ayhan-Kılıçgil G., Guven B., Kara Z., Gurkan-Alp A. S. , Karayel A., Onay-Besikci A.
European Journal of Medicinal Chemistry, vol.173, pp.240-249, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **2-(p-Florofenil)-5-(2-(4-asetilpiperazin-1-il)asetamido)benzoksazol'ün Sentezi, Moleküler Doking, DFT ve Antimikrobiyal Aktivite Çalışmaları**
Erol M., Çelik İ., Kuyucuklu G.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.1-8, 2021 (National Refreed University Journal)
- II. **Synthesis, Antimicrobial and Cytotoxic Activity Studies of Some New Benzoxazole Derivatives**
Erol M., Çelik İ., Kuyucuklu G., Uzunhisarcıklı E.
Avrupa Bilim ve Teknoloji Dergisi, vol.21, pp.455-462, 2021 (Other Refereed National Journals)
- III. **Synthesis, antimicrobial and in silico studies of new 2,5-disubstituted benzoxazole derivative**
Erol M., Çelik İ., Kuyucuklu G.
Medicine Science, vol.10, no.2, pp.400-408, 2021 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **SYNTHESIS OF SOME CYCLOHEXYL SUBSTITUTED OXADIAZOLE DERIVATIVES LINKED 1H-BENZIMIDAZOLE**
Çelik I., Kılıçgil G.
International Symposium on Pharmaceutical Sciences (ISOPS-12), Ankara, Turkey, 26 June 2018 - 29 May 2019, pp.384-385
- II. **Molecular Docking Studies of Some Novel Benzimidazole Derivatives as EGFR Inhibitors**
Alp A. S. , Çelik I., Kılıçgil G.
International Symposium on Pharmaceutical Sciences (ISOPS-12), Ankara, Turkey, 26 June 2018 - 29 May 2019, pp.400
- III. **SYNTHESIS OF SOME 1H-BENZIMIDAZOLE COMPOUNDS BEARING BIS-THIOSEMICARBAZIDE AND TRIAZOLE DERIVATIVES AS INHIBITORS OF EGFR TYROSINE KINASE**
Çelik I., Kılıçgil G., Güven B., Kara Z., Beşikci A.
International Symposium on Pharmaceutical Sciences (ISOPS-12), Ankara, Turkey, 26 - 29 June 2018, pp.384
- IV. **SYNTHESIS OF SOME 1H-BENZIMIDAZOLES CONTAINING CYCLOHEXYL SUBSTITUTED THIOSEMICARBAZIDES, TRIAZOLES, THIADIAZOLES AS INHIBITORS OF EGFR TYROSINE KINASE**
ÇELİK İ., KILCIĞİL G., KARA Z., GÜVEN B., BEŞİKÇİ A.
GPSS2017, 11 - 13 October 2017
- V. **SYNTHESIS OF SOME THIADIAZOLE/TRIAZOLE LINKED 1H-BENZIMIDAZOLE DERIVATIVES AS INHIBITORS OF EGFR TYROSINE KINASE**
Çelik I., Kılıçgil G., Kara Z., Güven B., Beşikci A.
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.249
- VI. **Synthesis of Some 1H-Benzimidazoles as Inhibitors of EGFR Tyrosine Kinase**
Çelik I., Kılıçgil G., Beşikci A.
ICPC 2016 : International Conference on Physical Chemistry, Kobenhavn, Denmark, 27 - 28 June 2016, vol.10, no.6
- VII. **The cytotoxic effects of Chrysophthalmum dichotomum on A549 and HepG2 cell lines**
AYCAN M. B. , DOKUMACI A. H. , AKŞİT A., ÇELİK İ., GÜRBÜZ P.
2nd Anticancer Agents Congress, Muğla, Turkey, 23 - 25 April 2014

Supported Projects

Uzunhisarcıklı E., Çelik İ., Aycan M. B. , Project Supported by Higher Education Institutions, Virtual Screening ve Moleküler Docking Çalışmaları ile Doğal Yapılı Bileşiklerin Tespiti ve in vitro Alzheimer Modelinde Tau Düzeyi Üzerine Etkilerinin Değerlendirilmesi, 2020 - 2021
PÜSKÜLLÜ M. O. , ÇELİK İ., FATULLAYEV H., Project Supported by Higher Education Institutions, Yeni Bazı Kinolin 3-Karbaldehit Hidrazon Türevlerinin Sentezi, 2019 - 2019
EROL M., ÇELİK İ., FATULLAYEV H., Project Supported by Higher Education Institutions, Bazı Yeni 2-Merkapto Pirimidin Türevlerinin Sentezi, 2019 - 2019

Edit Congress and Symposium Activities

2nd International Gazi Pharma Symposium Series (GPSS-2017), Attendee, Ankara, Turkey, 2017
XII. Türk Eczacılık Tarihi Toplantısı, Attendee, Eskişehir, Turkey, 2016

Citations

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