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Education Information

Doctorate, Erciyes University, Sağlık Bilimleri Enstitüsü, Eczacılık Biyokimya (Dr), Turkey
2016 - 2021

Postgraduate, Pamukkale University, Institute Of Health Sciences, Tıbbi Biyokimya (YI)
(Tezli), Turkey 2012 - 2014

Undergraduate, Ege University, Faculty Of Engineering, Kimya Mühendisliği Bölümü,
Turkey 2004 - 2011

Dissertations

Doctorate, THE EFFECT OF DIFFERENT METALOPHTHALOCYANINE PRODUCTS ON BREAST CANCER, Sivas Cumhuriyet
University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2021

Postgraduate, Deneysel olarak diyabet oluşturulmuş sıçanlarda vitaminlerin oksidasyona etkisi, Pamukkale Üniversitesi,
Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya (YI) (Tezli), 2014

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics

Academic Titles / Tasks

Research Assistant PhD, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2015 -
Continues

Research Assistant, Pamukkale University, School Of Medicine, Department Of Basic Medical Sciences, 2011 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- Novel Hydrazone-Hydrazones Bearing a Benzimidazole Ring: Design, Synthesis, and Evaluation of Inhibitor Properties Against CA I and CA II Isozymes**

ışık A., ACAR ÇEVİK U., ÇELİK İ., Küçüköğlü K., NADAROĞLU H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.

Chemical Biology and Drug Design, vol.104, no.6, 2024 (SCI-Expanded)

- II. **Synthesis, α -Glucosidase, α -Amylase, and Aldol Reductase Inhibitory Activity with Molecular Docking Study of Novel Imidazo[1,2-a]pyridine Derivatives**
Kaya B., ACAR ÇEVİK U., ÇİFTÇİ B., Duran H. E., TÜRKEŞ C., IŞIK M., BOSTANCI H. E., KAPLANCIKLI Z. A., BEYDEMİR Ş.
ACS Omega, vol.9, no.42, pp.42905-42914, 2024 (SCI-Expanded)
- III. **In vitro anti-Helicobacter pylori, anti-urease and anti-gastric cancer activities of novel hydrazones**
Maryam Z., Kaya B., BOSTANCI H. E., Kısa D., ÇELİK İ., ACAR ÇEVİK U., KAPLANCIKLI Z. A.
Journal of Molecular Structure, vol.1307, 2024 (SCI-Expanded)
- IV. **New benzimidazole-oxadiazole derivatives as potent VEGFR-2 inhibitors: Synthesis, anticancer evaluation, and docking study**
ACAR ÇEVİK U., ÇELİK İ., Görgülü Ş., ŞAHİN İNAN Z. D., BOSTANCI H. E., ÖZKAY Y., Kaplacıklı Z. A.
Drug Development Research, vol.85, no.4, 2024 (SCI-Expanded)
- V. **Imidazole-Derived Alkyl and Aryl Ethers: Synthesis, Characterization, In Vitro Anticancer and Antioxidant Activities, Carbonic Anhydrase I-II Inhibition Properties, and In Silico Studies**
Faris M., BOSTANCI H. E., Özcan İ., ÖZTÜRK M., KOÇYİĞİT Ü. M., ERDOĞAN T., Tahtacı H.
ACS Omega, vol.9, no.19, pp.20937-20956, 2024 (SCI-Expanded)
- VI. **Synthesis and Characterization of Oxime Derivatives and their Some Transition Metal Complexes with Thiadiazole Groups: Biological Activities, and Molecular Docking Studies of the Ligands**
Otaiwi A. S., Mirghani A. H., BOSTANCI H. E., Coskun A., Tahtacı H., Uysal S.
ChemistrySelect, vol.9, no.16, 2024 (SCI-Expanded)
- VII. **Synthesis, DFT Calculations, In Silico Studies, and Antimicrobial Evaluation of Benzimidazole-Thiadiazole Derivatives**
Işık A., ACAR ÇEVİK U., Karayel A., Ahmad I., Patel H., ÇELİK İ., GÜL Ü. D., Bayazıt G., BOSTANCI H. E., Koçak A., et al.
ACS Omega, vol.9, no.16, pp.18469-18479, 2024 (SCI-Expanded)
- VIII. **Design, synthesis and biological evaluation of novel ketone derivatives containing benzimidazole and 1,3,4-triazole as CA inhibitors**
ACAR ÇEVİK U., Işık A., Kapavarapu R., Küçüköğlü K., NADAROĞLU H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
Journal of Molecular Structure, vol.1295, 2024 (SCI-Expanded)
- IX. **Design, synthesis, and molecular docking studies of benzimidazole-1,3,4-triazole hybrids as carbonic anhydrase I and II inhibitors**
ÇELİK İ., ACAR ÇEVİK U., Küçüköğlü K., NADAROĞLU H., BOSTANCI H. E., Işık A., ÖZKAY Y., KAPLANCIKLI Z. A.
Chemical Biology and Drug Design, vol.103, no.1, 2024 (SCI-Expanded)
- X. **Investigation of Antiepileptic and Anticancer Properties of Some Plant Species Traditionally Used in Turkey**
ÖZPINAR H., BOSTANCI H. E., Hurmet M., KOÇYİĞİT Ü. M.
Latin American Journal of Pharmacy, vol.43, no.3, pp.618-625, 2024 (SCI-Expanded)
- XI. **Imidazole-hydrazone derivatives: Synthesis, characterization, X-ray structures and evaluation of anticancer and carbonic anhydrase I-II inhibition properties**
Ünver H., ACAR ÇEVİK U., BOSTANCI H. E., Kaya O., KOÇYİĞİT Ü. M.
ChemistrySelect, vol.8, no.27, 2023 (SCI-Expanded)
- XII. **New benzimidazole-oxadiazole derivatives: Synthesis, α -glucosidase, α -amylase activity, and molecular modeling studies as potential antidiabetic agents**
ACAR ÇEVİK U., ÇELİK İ., PASHAYEVA L., FATULLAYEV H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
Archiv der Pharmazie, vol.356, no.5, 2023 (SCI-Expanded)
- XIII. **New imidazole derivatives as aromatase inhibitor: Design, synthesis, biological activity, molecular docking, and computational ADME-Tox studies**
Çetiner G., ACAR ÇEVİK U., ÇELİK İ., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
Journal of Molecular Structure, vol.1278, 2023 (SCI-Expanded)
- XIV. **Synthesis of Benzimidazole-1,2,4-triazole Derivatives as Potential Antifungal Agents Targeting 14 α -Demethylase**

- Güzel E., ACAR ÇEVİK U., EVREN A. E., BOSTANCI H. E., GÜL Ü. D., KAYIŞ U., ÖZKAY Y., KAPLANCIKLI Z. A. ACS Omega, vol.8, no.4, pp.4369-4384, 2023 (SCI-Expanded)
- XV. **Synthesis, and docking studies of novel tetrazole-S-alkyl derivatives as antimicrobial agents**
ACAR ÇEVİK U., ÇELİK İ., Işık A., GÜL Ü. D., Bayazit G., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A. Phosphorus, Sulfur and Silicon and the Related Elements, vol.198, no.2, pp.137-144, 2023 (SCI-Expanded)
- XVI. **Synthesis, biological evaluation and in silico studies of novel thiadiazole-hydrazone derivatives for carbonic anhydrase inhibitory and anticancer activities**
BOSTANCI H. E., ÇEVİK U., Kapavarapu R., Güldiken Y., Inan Z. D., Güler Ö., UYSAL T. K., Uytun A., Çetin F., ÖZKAY Y., et al. SAR and QSAR in Environmental Research, vol.34, no.7, pp.543-567, 2023 (SCI-Expanded)
- XVII. **Synthesis and Molecular Docking of New N-Acyl Hydrazones-Benzimidazole as hCA I and II Inhibitors.**
Küçüköğlü K., Çevik U. A., Nadaroglu H., Celik I., Işık A., Bostancı H. E., Özkay Y., Kaplancıklı Z. A. Medicinal chemistry (Sharīqah (United Arab Emirates)), vol.19, pp.485-494, 2023 (SCI-Expanded)
- XVIII. **Benzimidazole-hydrazone derivatives: Synthesis, in vitro anticancer, antimicrobial, antioxidant activities, in silico DFT and ADMET studies**
IŞIK A., ACAR ÇEVİK U., ÇELİK İ., BOSTANCI H. E., Karayel A., Gündoğdu G., İNCE U., Koçak A., ÖZKAY Y., KAPLANCIKLI Z. A. Journal of Molecular Structure, vol.1270, 2022 (SCI-Expanded)
- XIX. **Synthesis, Molecular Docking, Dynamics, Quantum-Chemical Computation, and Antimicrobial Activity Studies of Some New Benzimidazole-Thiadiazole Hybrids**
Çelik İ., Acar Çevik U., Karayel A., Işık A., Kayış U., Gül Ü. D., Bostancı H. E., Konca S. F., Özkay Y., Kaplancıklı Z. A. ACS OMEGA, vol.1, no.1, pp.1-2, 2022 (SCI-Expanded)
- XX. **Design, synthesis and molecular docking studies of novel benzimidazole-1,3,4-oxadiazole hybrids for their carbonic anhydrase inhibitory and antioxidant effects**
Kucukoglu K., ÇEVİK U. A., NADAROĞLU H., ÇELİK İ., Isık A., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A. MEDICINAL CHEMISTRY RESEARCH, vol.31, no.10, pp.1771-1782, 2022 (SCI-Expanded)
- XXI. **Evaluation of the effects of newly synthesized metallophthalocyanines on breast cancer cell lines with photodynamic therapy**
BOSTANCI H. E., Bilgiçli A. T., Güzel E., Günsel A., Hepokur C., ÇİMEN B., Yarasir M. N. Dalton Transactions, vol.51, no.41, pp.15996-16008, 2022 (SCI-Expanded)
- XXII. **Peripheral blood mononuclear cell microRNAs in coronary artery disease**
Sanlıalp M., Dodurga Y., Uludag B., Alihanoglu Y., Enli Y., Secme M., Bostanci H. E., Sanlıalp S. C., Tok O. O., Kaftan A., et al. JOURNAL OF CELLULAR BIOCHEMISTRY, vol.121, no.4, pp.3005-3009, 2020 (SCI-Expanded)
- XXIII. **Increased urinary 6-hydroxymelatonininsulfate levels in attention deficit hyperactivity disorder diagnosed children and adolescent**
Buber A., Cakaloz B., Isildar Y., Unlu G., BOSTANCI H. E., AYBEK H., Herken H. NEUROSCIENCE LETTERS, vol.617, pp.195-200, 2016 (SCI-Expanded)
- XXIV. **microRNA-143 and-223 in obesity**
Kilic I. D., Dodurga Y., Uludag B., Alihanoglu Y. I., Yildiz B. S., Enli Y., Secme M., BOSTANCI H. E. GENE, vol.560, no.2, pp.140-142, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis, Anticancer Activity and Carbonic Anhydrase Inhibitory Activity of new Thiadiazole-hydrazone Derivatives**
Bostancı H. E., ÇEVİK U.
Cumhuriyet Science Journal, vol.44, no.2, pp.258-262, 2023 (Peer-Reviewed Journal)
- II. **Design and Synthesis of Imidazole Derivatives as Anticancer Agents and Potential Aromatase**

Inhibitors

BOSTANCI H. E., ACAR ÇEVİK U.

CUMHURİYET SCIENCE JOURNAL, vol.43, 2022 (Peer-Reviewed Journal)

III. Benzimidazol-Tiyadiazol Türevlerinin Sentezi, Karakterizasyonu, Antioksidan ve Antikanser Çalışmaları

BOSTANCI H. E., ACAR ÇEVİK U.

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.9, no.2, pp.783-790, 2022 (Peer-Reviewed Journal)

IV. Synthesis and Characterization of Novel Calix[4]arene Schiff Base Derivatives and Cytotoxicity Effect Evaluation on Cancer Cell Lines

Işık A., UÇAR ÇİFÇİ K., BOSTANCI H. E., TUTAR Y., KOÇAK A., YILMAZ M.

CUMHURİYET SCIENCE JOURNAL, vol.43, 2022 (Peer-Reviewed Journal)

V. Synthesis, molecular modeling and evaluation of anticancer activities of some 1-substituted-4-phenyl piperazine derivatives

ALAGÖZ M. A., ÖZDEMİR Z., HEPOKUR C., BOSTANCI H. E., ÖNKOL T.

Macedonian Pharmaceutical Bulletin, vol.66, no.1, pp.53-54, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

I. Antioksidan Miktarını Total Olarak Tayin Etme Yöntemleri

Bostancı H. E.

in: SAĞLIK BİLİMLERİNDE İLERİ VE ÇAĞDAŞ ÇALIŞMALAR 2, Doç. Dr. Gönül GÜROL ÇİFTÇİ, Editor, Duvar Yayınevi, İzmir, pp.152-158, 2023

II. Nekroz

Bostancı H. E.

in: Sağlık Bilimlerinde ileri ve çağdaş çalışmalar 2, Doç. Dr. Gönül GÜROL ÇİFTÇİ, Editor, Duvar Yayınları, İzmir, pp.139-152, 2023

III. IMMUNOTHERAPY IN CANCER TREATMENT

BOSTANCI H. E., Çelik F. K., Temur İ.

in: Health & Science 2023-II, Assoc. Prof. Dr. Fazlı YANIK, Editor, Efe Academy Publication, pp.35-54, 2023

IV. Güncel uygulanan kanser tedavi yöntemleri

BOSTANCI H. E.

in: Sağlık Bilimlerinde Güncel Tartışmalar 5, Recep AKKAYA, Birnur AKKAYA, Editor, Bilgin Yayınevi, Ankara, pp.465-472, 2022

Refereed Congress / Symposium Publications in Proceedings

I. Investigation of the Relationship between the Chemical Structures and the Cytotoxicity of Some Maleic Anhydride-Containing Copolymers as Polymeric Drug Carriers

Karakuş G., BOSTANCI H. E., KAPLAN CAN H.

5th EBAT Congress, Antalya, Turkey, 02 November 2023

II. The Effect of Vitamins on Oxidation in Experimentally Diabetes Conditioned Rats

BOSTANCI H. E., Başaran S.

33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2023), Turkey, 2 - 07 July 2023

III. INVESTIGATION OF SALVIA CADMICA'S ANTIOXIDANT PROPERTIES AND CYTOTOXIC PROPERTIES IN BREAST CANCER CELL LINE AND ITS APOPTOTIC INDUCTION

BOSTANCI H. E., Yatkın E., Bağcı E. R.

8th INTERNATIONAL ASIAN CONGRESS ON CONTEMPORARY SCIENCES, Turkey, 5 - 07 May 2023

IV. INVESTIGATION OF THE ANTIPROLIFERATIVE EFFECT OF SALVIA CADMICA ON COLON CANCER

BOSTANCI H. E., Doğanşah G., Bağcı E. R.

8th INTERNATIONAL ASIAN CONGRESS ON CONTEMPORARY SCIENCES, Turkey, 5 - 07 May 2023

- V. **Investigation of Antiproliferative effect of Malva Sylvestris Extract on Breast Cancer and Antioxidant Properties**
BOSTANCI H. E., Gören M. F.
The 3rd International Cancer Days, Sivas, Turkey, 15 September 2022
- VI. **investigation of the effects of BK369 compound on breast cancer**
HEPOKUR C., BOSTANCI H. E., KUZU B., ALGÜL Ö.
8. İlaç kongresi, 27 February - 01 March 2020
- VII. **EFFECTS OF VITAMINS TO THE OXIDATION OF THE RATS ESTABLISHED EXPERIMENTAL DIABETES**
BOSTANCI H. E., ROTA S. S.
GPSS, 11 - 13 October 2017
- VIII. **İtakonik Asitli Akrilamid Polimerinin Prokainamid Hidroklorid Etken Maddesi ile Fiziksel Absorbsiyonu ve Karakterizasyonu**
BOSTANCI H. E., MISIR S., HEPOKUR C., KARİPER İ. A., KARAKUŞ G., HEPOKUR A. İ.
3. İlaç Kimyası İlaç Etkin Maddesi Tasarımı, Sentezi Üretimi ve Standardizasyonu Kongresi, Turkey, 20 - 22 March 2015
- IX. **İtakonik asitli akrilamid polimerinin prokainamid hidroklorid etken maddesi ile fiziksel absorbsiyonu ve karakterizasyonu**
BOSTANCI H. E., MISIR S., HEPOKUR C., KARİPER İ. A., Hepokur A. İ.
3. İlaç Kimya Kongresi, Antalya, Turkey, 20 March 2015

Supported Projects

BOSTANCI H. E., YILDIRIM Ş., KILIÇKAYA O., ERGÜL M., Project Supported by Higher Education Institutions, Prostat Kanseri Üzerinde Siklosporin A nın Apoptotik Etki Mekanizması, 2013 - 2016

Scientific Refereeing

CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, August 2022

Metrics

Publication: 42

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H-Index (WoS): 3

H-Index (Scopus): 6

Non Academic Experience

Ege Serbest Bölge / Uzay Kampı