

Res. Asst. PhD GÜLAY AKYÜZ

Personal Information

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Education Information

Doctorate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2013 - 2018

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Turkey 2010 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, "Yeni 2,3-Disüstitüe Kinazolin-4(3H)-on Türevi Bileşiklerin Sentezi ve Biyolojik Özelliklerinin İncelenmesi , Recep Tayyip Erdogan University, Kimya, Kimya, 2018

Postgraduate, karaca mersini solungacından karbonik anhidrazın karakterizasyonu, Recep Tayyip Erdogan University, Kimya, Biyokimya, 2013

Research Areas

Chemistry, Organic Chemistry, Natural Sciences

Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2010 - Continues

Academic and Administrative Experience

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

- I. **Synthesis and urease inhibition studies of some new quinazolinones**
AKYÜZ G.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.5, pp.1164-1170, 2021 (Journal Indexed in SCI)
- II. **Synthesis of novel 2,3-disubstituted quinazolin-4(3H)-one derivatives containing hydrazone skeleton as potent urease inhibitors and their antimicrobial activities**
Akyuz G., BERİS F. Ş., KAHVECİ B., Mentese E.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, no.11, pp.3065-3072, 2019 (Journal Indexed in SCI)
- III. **Synthesis, in vitro urease inhibition and molecular docking studies of some novel quinazolin-4(3H)-**

one derivatives containing triazole, thiadiazole and thiosemicarbazide functionalities

Mentese E., Akyuz G., Emirik M., Baltas N.

BIOORGANIC CHEMISTRY, vol.83, pp.289-296, 2019 (Journal Indexed in SCI)

- IV. **Synthesis of some novel quinazolin-4(3H)-one hybrid molecules as potent urease inhibitors**
Mentese E., Akyuz G., Yilmaz F., Baltas N., Emirik M.
ARCHIV DER PHARMAZIE, vol.351, no.12, 2018 (Journal Indexed in SCI)
- V. **Synthesis and molecular docking study of some novel 2,3-disubstituted quinazolin-4(3H)-one derivatives as potent inhibitors of urease**
Akyuz G., Mentese E., Emirik M., Baltas N.
BIOORGANIC CHEMISTRY, vol.80, pp.121-128, 2018 (Journal Indexed in SCI)
- VI. **Synthesis and evaluation of alpha-glucosidase and pancreatic lipase inhibition by quinazolinone-coumarin hybrids**
Mentese E., Karaali N., Akyuz G., Yilmaz F., Ulker S., KAHVECİ B.
CHEMISTRY OF HETEROCYCLIC COMPOUNDS, vol.52, no.12, pp.1017-1024, 2016 (Journal Indexed in SCI)
- VII. **Characterization and inhibition studies of carbonic anhydrase from gill of Russian Sturgeon Fish (Acipenser gueldenstaedtii)**
Dincer B., Ekinci A. P. , AKYUZ G., Kurtoglu I. Z.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1662-1665, 2016 (Journal Indexed in SCI)
- VIII. **Inhibition of mammalian carbonic anhydrase isoforms I-XIV with a series of phenolic acid esters**
MARESCA A., Akyuz G., OSMAN S. M. , ALOTHMAN Z., SUPURAN C. T.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.23, no.22, pp.7181-7188, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Microwave-Assisted Synthesis of Some Benzimidazole Derivatives Containing Imine Function**
AKYÜZ G., YILMAZ F., MENTEŞE E.
Avrupa Bilim ve Teknoloji Dergisi, vol.2, no.4, pp.123-127, 2015 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and molecular docking study of some novel 2,3-disubstitutedquinazolin-4(3H)-one derivatives as potent inhibitors of urease**
AKYÜZ G., MENTEŞE E.
International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018
- II. **.Synthesis of some new quinazolinones containing thiadiazole ring with their anti-urease activity.**
AKYÜZ G., MENTEŞE E.
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 - 23 November 2018, pp.55
- III. **. Synthesis some novel 2,3-disubstituted quinazolin-4(3H)-one cointaining imin bond and some biological properties**
AKYÜZ G.
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 - 23 November 2018, pp.45
- IV. **Synthesis of some new quinazolinones containing thiadiazole ring with their anti-urease activity**
AKYÜZ G., MENTEŞE E., BALTAŞ N., YILMAZ F.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018
- V. **Synthesis of Some Benzimidazole Derivatives Containing Imine Function and Calculation of Their E/Z**

Isomers

YILMAZ F., MENTEŞE E., AKYÜZ G., KARAALI N., KAHVECİ B.

INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE: ICAS 2017, 13 - 15 October 2017

VI. Synthesis of some new quinazolinones containing oxadiazoland furan rings with their anti-urease activity

AKYÜZ G., MENTEŞE E., BALTAŞ N.

IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.602

VII. Synthesis and urease inhibition of quinazolinone-coumarin hybrid compounds

AKYÜZ G., MENTEŞE E., YILMAZ F., BALTAŞ N.

IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.599

Edit Congress and Symposium Activities

1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Attendee, Ankara, Turkey, 2018

1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Attendee, ankara, Turkey, 2018

İVEK 3. Uluslararası İlaç ve Eczacılık Kongresi, Attendee, İstanbul, Turkey, 2017

Citations

Total Citations (WOS):82

h-index (WOS):5