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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2004 - 2010

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2000 - 2004

Under Graduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 1996 - 2002

Dissertations

Doctorate, Tebain türevi bazı yarısentetik opioidlerin sentezi ve yapılarının spektroskopik yöntemlerle aydınlatılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2010

Post Graduate, Tebain türevi bazı yarısentetik opioidlerin sentezi ve yapılarının spektroskopik yöntemlerle aydınlatılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2010

Academic Titles / Tasks

Associate Professor, Gazi University, Fen Fakültesi, Kimya Bölümü, 2017 - Continues

Academic and Administrative Experience

Gazi University, Fen Fakültesi, Kimya Bölümü, 2017 - Continues

Advising Theses

YAVUZ S., Synthesis And Structure Of 1-((5-(Substitute) -1,3,4-Oxadiazol-2-Ylmethyl)Tetrazole Compounds, Post Graduate, B.ÖZKAN(Student), 2019

YAVUZ S., 7,8-sübstütüe morfinyan türü yeni bileşiklerin sentezi ve yapılarının aydınlatılması, Post Graduate, C.TUĞBA(Student), 2019

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

- I. The relationship between the structural characteristics of lactobacilli-EPS and its ability to induce apoptosis in colon cancer cells in vitro**
Tukenmez U., Aktaş B., Aslım B., Yavuz S.
SCIENTIFIC REPORTS, vol.9, 2019 (Journal Indexed in SCI)
- II. Synthesis and DNA binding of new adenine derivatives incorporating 5-((Alkylthio)-1,3,4-oxadiazol-2-yl)methyl moiety**
YILDIRIR Y., Cetin A., Ozkan H., YAVUZ S., AÇIK L., Celik S. P.

MEDICINAL CHEMISTRY RESEARCH, vol.27, no.8, pp.2027-2033, 2018 (Journal Indexed in SCI)

- III. **Synthesis, Characterization, Solvatochromic Properties, and Antimicrobial-radical Scavenging Activities of New Diazo Dyes Derived from Pyrazolo[1,5-a]pyrimidine**
ŞENER N., Eriskin S., YAVUZ S., ŞENER İ.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.54, no.6, pp.3538-3548, 2017 (Journal Indexed in SCI)
- IV. **Synthesis and Functional Investigations of Computer Designed Novel Cladribine-Like Compounds for the Treatment of Multiple Sclerosis**
YAVUZ S., Cetin A., AKDEMİR A., DOYDUK D., DİŞLİ A., Celik Turgut G., ŞEN A., YILDIRIR Y.
ARCHIV DER PHARMAZIE, vol.350, no.11, 2017 (Journal Indexed in SCI)
- V. **Computer design, synthesis, and bioactivity analyses of drugs like fingolimod used in the treatment of multiple sclerosis**
Turgut G. C. , DOYDUK D., YILDIRIR Y., YAVUZ S., AKDEMİR A., DİŞLİ A., ŞEN A.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.25, no.2, pp.483-495, 2017 (Journal Indexed in SCI)
- VI. **Synthesis, characterization, and biological activities of 4-imino-3-aryloxy-4H-pyrimido[2,1-b][1,3]benzothiazole-2-ones**
Eriskin S., Sener N., YAVUZ S., ŞENER İ.
MEDICINAL CHEMISTRY RESEARCH, vol.23, no.8, pp.3733-3743, 2014 (Journal Indexed in SCI)
- VII. **Facile Method for 1,3-Dipolar Cycloaddition Reaction of Azomethine Ylides: Highly Stereoselective Synthesis of Substituted Pyrrolidine Derivatives**
YAVUZ S., ÖZKAN H., Tok G., DİŞLİ A.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.50, no.6, pp.1437-1440, 2013 (Journal Indexed in SCI)
- VIII. **Synthesis and Pharmacological Evaluation of Some Novel Thebaine Derivatives: N-(Tetrazol-1H-5-yl)-6,14-endoethenotetrahydrothebaine Incorporating the 1,3,4-Oxadiazole or the 1,3,4-Thiadiazole Moiety**
YAVUZ S., ÜNAL Y., Pamir O., Yilmazer D., KURTIPEK Ö., KAVUTÇU M., ARSLAN M., ARK M., YILDIRIR Y.
ARCHIV DER PHARMAZIE, vol.346, no.6, pp.455-462, 2013 (Journal Indexed in SCI)
- IX. **Synthesis and Characterization of New Thebaine Derivatives as Potential Opioid Agonists and Antagonists: 2-[N-(1H-Tetrazol-5-yl)-6,14-endo-etheno-6,7,8,14-tetrahydrothebaine-7 alpha-yl]-5-phenyl-1,3,4-oxadiazoles**
YILDIRIR Y., Pamir O., YAVUZ S., DİŞLİ A.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.50, 2013 (Journal Indexed in SCI)
- X. **Ferrocene Derivatives Carrying Urea, Thiourea, and Sulfonamide Moieties: Synthesis and Evaluation of Antibacterial and Antifungal Activities**
YAVUZ S., Yıldırm H.
JOURNAL OF CHEMISTRY, vol.2013, 2013 (Journal Indexed in SCI)
- XI. **Synthesis, Crystal and Molecular Structure and Biological Activity of Dimethyl Trans-3-(2-bromophenyl)-2-methylisoxazolidine-4,5-dicarboxylate**
YÜKSEKTEPE ATAOL Ç., ÖZKAN H., YAVUZ S., Yanmaz V., DİŞLİ A., BÜYÜKGÜNGÖR O.
CHINESE JOURNAL OF STRUCTURAL CHEMISTRY, vol.31, no.9, pp.1251-1262, 2012 (Journal Indexed in SCI)
- XII. **SYNTHESIS AND CHARACTERIZATION OF NEW THEBAINE DERIVATIVES: 2-(6,14-ENDO-ETHENOTETRAHYDROTHEBAINE-7 alpha-YL)-5-(N-ARYLAMINO)-1,3,4-THIADIAZOLES**
YAVUZ S., YILDIRIR Y.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.187, no.11, pp.1303-1311, 2012 (Journal Indexed in SCI)
- XIII. **Fast Method for Synthesis of Alkyl and Aryl-N-Methylnitrones**
YAVUZ S., ÖZKAN H., ÇOLAK N., YILDIRIR Y.
MOLECULES, vol.16, no.8, pp.6677-6683, 2011 (Journal Indexed in SCI)
- XIV. **Synthesis of Cationic N-[3-(Dimethylamino)propyl]methacrylamide Brushes on Silicon Wafer via Surface-Initiated RAFT Polymerization**
Gurbuz N., Demirci S., YAVUZ S., ÇAYKARA T.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.2, pp.423-431, 2011 (Journal Indexed

in SCI)

- XV. **Synthesis and antimicrobial activity studies of some novel substituted phenylhydrazono-1H-tetrazol-5-yl-acetonitriles**
YAVUZ S., Aydin O., ÇETE S., DİŞLİ A., YILDIRIR Y.
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.2, pp.120-126, 2010 (Journal Indexed in SCI)
- XVI. **Synthesis and Characterization of New 7-Substituted 6,14-Ethenomorphinane Derivatives: N-{5-[(5 alpha,7 alpha)-4,5-Epoxy-3,6-dimethoxy-17-methyl-6,14-ethenomorphinan-7-yl]-1,3,4-oxadiazol-2-yl}arenamines**
YAVUZ S., YILDIRIR Y.
HELVETICA CHIMICA ACTA, vol.93, no.12, pp.2406-2418, 2010 (Journal Indexed in SCI)
- XVII. **1-Methoxy-3-o-tolylbicyclo[2.2.2]oct-5-ene-2,2-dicarbonitrile**
BÜYÜKGÜNGÖR O., YAVUZ S., ODABAŞOĞLU M., Pamir O., YILDIRIR Y.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (Journal Indexed in SCI)
- XVIII. **N-Cyano-7 alpha-methoxycarbonyl-6,14-endo-ethenotetrahydronorthebaine**
ODABAŞOĞLU M., YAVUZ S., Pamir O., BÜYÜKGÜNGÖR O., YILDIRIR Y.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (Journal Indexed in SCI)
- XIX. **Dimethyl trans-3-(4-bromophenyl)-2-methylisoxazolidine-4,5-dicarboxylate**
BÜYÜKGÜNGÖR O., YAVUZ S., ODABAŞOĞLU M., Ozkan H., Pamir O., YILDIRIR Y.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (Journal Indexed in SCI)
- XX. **7 alpha-Methoxycarbonyl-6,7,8,14-tetrahydro-6,14-endo-ethenothebaine**
ODABAŞOĞLU M., YAVUZ S., Pamir O., YILDIRIR Y., BÜYÜKGÜNGÖR O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (Journal Indexed in SCI)
- XXI. **The synthesis and investigation of the antimicrobial activity of some new phenylselanyl-1-(toluene-4sulfonyl)-1H-tetrazole derivatives**
YILDIRIR Y., Us M. F., Colak N., ÖZKAN H., YAVUZ S., DİŞLİ A., Ozturk S., Turker L.
MEDICINAL CHEMISTRY RESEARCH, vol.18, no.2, pp.91-97, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Synthesis of Some Novel Isoxazolidine Derivatives via 1,3-Dipolar Cycloaddition and Their Biological Evaluation**
Yanmaz V., DİŞLİ A., YAVUZ S., Ogutcu H., Dilek G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.1, pp.78-89, 2019 (Journal Indexed in ESCI)
- II. **Synthesis of N-Aryl-2-Phenylselanyl Acetamides and Their Antimicrobial Activities**
YAVUZ S., ÖZKAN H., GÜREL Ö., YILDIRIR Y.
Gazi University Journal of Science, vol.29, no.2, pp.309-315, 2016 (Journal Indexed in ESCI)
- III. **Synthesis of N-(Aryl)-2-(phenylselanyl) acetamides and Their Antimicrobial Activities**
YAVUZ S., ÖZKAN H., Gurel O., YILDIRIR Y.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.2, pp.309-315, 2016 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Anti-inflammatory Effect of Novel Fingolimod Based Compound F1-12h in SH-SY5Y, SK-N-SH and U-118MG Cells for the Efficacy in Multiple Sclerosis**
ÇELİK TURGUT G., DOYDUK D., YILDIRIR Y., YAVUZ S., AKDEMİR A., DİŞLİ A., ŞEN A.
5th International Congress of the Molecular Biology Association of Turkey, 8 - 10 September 2018
- II. **Antiproliferative Activity of Some Lactic Acid Bacteria and Their Exopolysaccharides on Colon**

Cancer Cells (HT-29) and Determination of Linkage Structure of Exopolysaccharides

Tükenmez Ü., Aslım B., Yavuz S.

IV. International Congress on Applied Biological Sciences, Eskişehir, Turkey, 3 - 05 May 2018

III. Evaluation of Anti-inflammatory Effect of Novel Fingolimod Based Compound F1-12h in SH-SY5Y, SK-N-SH and U-118 MG Cells for the Efficacy in Multiple Sclerosis

ÇELİK TURGUT G., DOYDUK D., YILDIRIR Y., YAVUZ S., AKDEMİR A., DİŞLİ A., ŞEN A.

5th International Congress of the Molecular Biology Association of Turkey, 8 September - 10 December 2017, pp.31

IV. Synthesis And Characterization Of New 1,3,4-Thiadiazole Derivatives Carrying Tetrazole Ring

YAVUZ S., ÇOBAN B., ÖZKAN H., ÇOLAK N.

International Congress on Applied Science and Technology (ASTECH'xx2017), Malaga, Spain, 17 - 20 April 2017

V. Synthesis, Characterization and Theoretical Calculation of 4-Amino-7-methyl (ethyl)-2-oxo-1,2,5,6,7,8-hexahydrothieno[2,3-b:5,4-c]dipyridine-3-carbonitrile

ÇOLAK N., BALABAN GÜNDÜZALP A., YAVUZ S.

International Congress on Applied Science and Technology (ASTECH'xx2017)60, Malaga, Spain, 17 - 20 April 2017

Supported Projects

YAVUZ S., Project Supported by Higher Education Institutions, Gazi Üniversitesi Fen Fakültesi Kimya Bölümünde Bulunan Bazı Cihazların Tamiratu ve Eksiklerinin Giderilmesi, 2018 - 2020

YAVUZ S., Project Supported by Higher Education Institutions, Bazı Yeni Ferrosen Türevi Bileşiklerin Sentezi, Yapılarının Aydınlatılması ve Biyolojik Aktivitelerinin incelenmesi, 2012 - 2014

Citations

Total Citations (WOS):132

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