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International Researcher IDs

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Education Information

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

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

Undergraduate, 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

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

Research Areas

Chemistry of Dyes and Pigments, Chemistry of Natural Products, Organic Reaction Mechanisms

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya, 2022 - 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,

Postgraduate, B.ÖZKAN(Student), 2019

YAVUZ S., Synthesis And Characterization Of New 7,8-Substituted Morphine Compounds, Postgraduate, C.TUĞBA(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Structural characteristics of Lacticaseibacillus rhamnosus ACS5 exopolysaccharide in association with its antioxidant and antidiabetic activity <i>in vitro</i>**
Inanan T., Darımaz D. O., KARADUMAN YEŞİLDAL T., YÜKSEKDAĞ Z., YAVUZ S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.280, 2024 (SCI-Expanded)
- II. **Characterization of Exopolysaccharides (EPSs) Obtained from Ligilactobacillus salivarius Strains and Investigation at the Prebiotic Potential as an Alternative to Plant Prebiotics at Poultry**
Bikrić S., ASLIM B., Dincer I., YÜKSEKDAĞ Z., ULUSOY S., YAVUZ S.
PROBIOTICS AND ANTIMICROBIAL PROTEINS, vol.14, no.1, pp.49-59, 2022 (SCI-Expanded)
- III. **Characterization of Exopolysaccharides (EPSs) Obtained from Ligilactobacillus salivarius Strains and Investigation at the Prebiotic Potential as an Alternative to Plant Prebiotics at Poultry**
Bikrić S., Aslım B., Dinçer İ., Yüksekdağ Z., Ulusoy S., Yavuz S.
PROBIOTICS AND ANTIMICROBIAL PROTEINS, vol.2021, 2021 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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., KURTİPEK Ö., KAVUTÇU M., ARSLAN M., ARK M., YILDIRIR Y.

ARCHIV DER PHARMAZIE, vol.346, no.6, pp.455-462, 2013 (SCI-Expanded)

- XII. **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 (SCI-Expanded)
- XIII. **Ferrocene Derivatives Carrying Urea, Thiourea, and Sulfonamide Moieties: Synthesis and Evaluation of Antibacterial and Antifungal Activities**
YAVUZ S., Yildirir H.
JOURNAL OF CHEMISTRY, vol.2013, 2013 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **Synthesis and Characterization of New 7-Substituted 6,14-Ethenomorphinan 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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)

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., Oğutcu H., Dilek G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.1, pp.78-89, 2019 (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 (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 (ESCI)

Books & Book Chapters

- I. **LİPİTLER VE KARBOHİDRATLAR**
YAVUZ S.
in: TEMEL ORGANİK KİMYA, YILMAZ YILDIRIR, Editor, BİLİM YAYINLARI, Ankara, pp.430-455, 2020

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
- VI. **o-Nitrofenil selenosiyanyür bileşiğinin yeni bir yöntemle sentezi, maya ve bazı patojen bakterilere rüzerine antimikrobiyal aktivitelerinin incelenmesi ve bazı antibiyotiklerle karşılaştırılması**
ÇETE S., YAŞAR A., ARSLAN F., YAVUZ S., ÖZKAN H.
XVIII. Ulusal Kimya Kongresi, 05 July 2004

Supported Projects

YAVUZ S., Project Supported by Higher Education Institutions, Gazi Üniversitesi Fen Fakültesi Kimya Bölümünde Bulunan Nükleer Manyetik Rezonans (NMR) Cihazının Bakımı, 2020 - 2022

Çelikkhan H., Akkurt F., Yavuz S., Özkan H., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Boron doped carbon nanodot synthesis, characterization ana cell application, 2018 - 2021

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

DİŞLİ A., YILDIRIR Y., YAVUZ S., TÜBİTAK Project, Multipl Skleroz Ms Hastalığının Tedavisinde Kullanılan Fingolimod ve Kladribin Benzeri İlaçların Bilgisayarlı Tasarımı Sentezi ve Biyoetkinliklerinin İncelenmesi KBAG 113Z141, 2014 - 2016

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

Metrics

Publication: 34

Citation (WoS): 248

Citation (Scopus): 269

H-Index (WoS): 9

H-Index (Scopus): 9