

Lect. PhD MERYEM PİR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5576-2018

Yoksis Researcher ID: 124373

Education Information

Post Doctorate, Gebze Technical University, Faculty Of Basic Sciences, Department Of Chemistry, Turkey 2019 - 2021

Doctorate, Kocaeli University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2011 - 2017

Postgraduate, Sakarya University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2009 - 2011

Undergraduate, Sakarya University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

R&D Management, TÜBİTAK 1501-Sanayi Ar-Ge Destek Programı ve 1507-KOBİ Ar-Ge Başlangıç Destek Programı Webinarı, KOÜ, 2022

Vocational Training, Excel Eğitimi, Sakarya Üniversitesi, 2021

Vocational Training, Elsevier EKUAL Seminer-Elsevier Turkey Webinar - Increasing Scientific Productivity with ScienceDirect, TUBITAK ULAKBİM EKUAL, 2021

Vocational Training, ZERO BRINE Ekonomi Yaklaşımı ile Endüstrilerde Su ve Değerli Madde Geri Kazanımı, Tübitak MAM, 2021

Vocational Course, ProQuest Yazar Çalıştayı: Tez ve Dergi Makaleleri Yazma İpuçları- (Tüm Araştırmacılar İçin), Kocaeli Üniversitesi, 2021

Vocational Course, Bilgisayar Destekli İlaç Tasarımı, Biruni Üniversitesi, 2015

Vocational Course, Deney Hayvanları Kullanımı, Kocaeli Üniversitesi, 2013

Quality Management, TS EN ISO 9001:2000 Kalite Yönetim Sistemi, Sakarya Üniversitesi , 2008

Dissertations

Doctorate, Bazı heterosiklik organobor bileşiklerinin sentezi ve yapısal özelliklerinin incelenmesi, Kocaeli University, Fen Bilimleri Enstitüsü, 2017

Postgraduate, Üç bileşenli Mannich reaksiyonuyla hafniyum klorür katalizörlüğünde amino karbonil bileşiklerinin sentezi, Sakarya University, Institute Of Science, 2011

Research Areas

Chemistry, Organic Chemistry, Chemistry of Heterocyclic Compounds, Chemistry of Macromolecules, Organic Spectroscopy, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Kocaeli University, Kocaeli Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2020 - Continues
Lecturer PhD, Kocaeli University, Köseköy Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2018 - 2020
Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2010 - 2017

Academic and Administrative Experience

Rafineri ve Petrokimya Teknolojisi Öğrenci Danışmanlığı, Kocaeli University, Kocaeli Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2020 - Continues
Kimya Teknolojisi İ.Ö. Öğrenci Danışmanlıkları, Kocaeli University, Köseköy Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2018 - 2021
Lastik Plastik Teknolojisi Öğrenci Danışmanlıkları, Kocaeli University, Köseköy Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2018 - 2021
Mevlana Exchange Program Coordinator, Kocaeli University, Köseköy Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2018 - 2020
İntibak komisyonu, Kocaeli University, Köseköy Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2018 - 2020
Erasmus Coordinator, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2013 - 2017
Kimya Bölümü İ.Ö. ve II.Ö. Öğrenci Danışmanlıkları, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2011 - 2017
İntibak ve yatay geçiş komisyonu, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2010 - 2017

Courses

Atık Su Arıtma Teknolojileri, Associate Degree, 2023 - 2024, 2022 - 2023, 2020 - 2021
Enstrümental Analiz II, Associate Degree, 2022 - 2023, 2021 - 2022
Enstrümental Analiz Yöntemleri II, Associate Degree, 2022 - 2023, 2021 - 2022
Temel Çimento Teknolojileri, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Bor Bileşikleri Kimyası ve Tıptaki Önemi, Undergraduate, 2022 - 2023
Temel Çimento Teknolojileri-1, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Enstrümental Analiz Yöntemleri I, Associate Degree, 2023 - 2024, 2022 - 2023
Proje I, Associate Degree, 2023 - 2024, 2022 - 2023
Temel Çimento Teknolojileri-2, Associate Degree, 2022 - 2023
Kariyer Planlama, Associate Degree, 2022 - 2023, 2021 - 2022
Kariyer Planlama, Associate Degree, 2022 - 2023, 2021 - 2022
Temel Çimento Teknolojileri-1, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Enstrümental Analiz II, Associate Degree, 2022 - 2023, 2021 - 2022
Kariyer Planlama, Associate Degree, 2022 - 2023, 2021 - 2022
Kariyer Planlama, Associate Degree, 2022 - 2023, 2021 - 2022
Temel Boya Bilgisi I, Associate Degree, 2021 - 2022
Boya Hammadde Bilgisi I, Associate Degree, 2021 - 2022
Boya Üretim Teknikleri, Associate Degree, 2021 - 2022
Proje I, Associate Degree, 2019 - 2020, 2018 - 2019

Gıdalarda Soğukta ve Dondurarak Muhafaza, Associate Degree, 2019 - 2020
Temel Çimento Teknolojileri, Associate Degree, 2020 - 2021
ORGANİK KİMYA II, Associate Degree, 2019 - 2020, 2018 - 2019
Temel Hesaplama İlkeleri, Associate Degree, 2019 - 2020, 2018 - 2019
Enstrümental Analiz I, Associate Degree, 2020 - 2021
Proje, Associate Degree, 2020 - 2021
Meyve Sebze İşleme Teknolojisi, Associate Degree, 2019 - 2020, 2018 - 2019
FİZİK, Associate Degree, 2019 - 2020, 2018 - 2019
Temel Bilgi Teknolojileri Kullanımı, Associate Degree, 2019 - 2020, 2018 - 2019
Temel Bilgi Teknolojileri Kullanımı, Associate Degree, 2019 - 2020, 2018 - 2019
Proje, Associate Degree, 2019 - 2020, 2018 - 2019
FİZİK, Associate Degree, 2019 - 2020, 2018 - 2019
FİZİK, Associate Degree, 2019 - 2020, 2018 - 2019
FİZİK, Associate Degree, 2019 - 2020, 2018 - 2019
PLASTİK TEKNOLOJİSİ, Associate Degree, 2018 - 2019
Gıda İşleme İlkeleri, Associate Degree, 2019 - 2020
Enstrümental Analiz Yöntemleri, Associate Degree, 2017 - 2018
Enstrümental Analiz Yöntemleri, Associate Degree, 2017 - 2018
Temel Bilgi Teknolojileri Kullanımı, Associate Degree, 2018 - 2019
ENSTRÜMENTAL ANALİZ II, Associate Degree, 2017 - 2018
PROJE II, Associate Degree, 2017 - 2018

Designed Lessons

Pir M., Bor Bileşikleri Kimyası ve Tıptaki Önemi, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Molecular Docking Studies of Boron-Containing Compounds as Dual Inhibitors of SARS-Cov-2 Spike Receptor Binding Domain/ACE2 Complex and Main Protease and ADMET Investigations**
Ercan S., PİR M.
CHEMISTRYSELECT, vol.8, no.47, 2023 (SCI-Expanded)
- II. **In vitro antifungal activity of heterocyclic organoboron compounds against Trichophyton mentagrophytes and Microsporum canis obtained from clinical isolates**
Pir M., Budak F., Metiner K.
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.53, no.3, pp.1297-1303, 2022 (SCI-Expanded)
- III. **Experimental and Computational IR Spectroscopic Studies on the Transmission of Substituent Effects on N-H, C=N, B-N, and B-O Bond Stretching Frequencies in 3,5-Disubstituted-1,2,4,5-Oxadiazaboroles**
Pir M., Ağırbaş H.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.59, pp.949-954, 2018 (SCI-Expanded)
- IV. **Synthesis, characterization, antimicrobial activity, and QSAR studies of some new 6-substituted phenyl 3-(4-chlorophenyl)-3a,4,8,8a-tetrahydro-[1,3,2]dioxaborepino [5,6-d]isoxazoles**
Pir M., Ağırbaş H., Budak F., Sahin O.
HETEROATOM CHEMISTRY, vol.28, 2017 (SCI-Expanded)
- V. **Synthesis, characterization, antimicrobial activity, and QSAR studies on substituted oxadiazaboroles**
Pir M., Ağırbaş H., Budak F., İltter M.
MEDICINAL CHEMISTRY RESEARCH, vol.25, pp.1794-1812, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of in vitro antifungal activity of dihydroisoxazole dimethanol compound against dermatophytes obtained from clinical isolates and design of some new dihydroisoxazole dimethanol compounds.**
Pir M., Budak F., Metiner K.
International Journal of Chemistry and Technology (IJCT), vol.8, no.1, pp.45-50, 2024 (Peer-Reviewed Journal)
- II. **(3-(4-chlorophenyl)-4,5-dihydroisoxazole-4,5-diy)dimethanol Compound: Antibacterial Activity, Antifungal Activity and Calculated Structural Parameters**
Pir M., Budak F.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.2, pp.815-822, 2022 (Peer-Reviewed Journal)
- III. **Synthesis of Some Dioxaborepine Derivatives and Determination of Antimicrobial Activity**
Pir M.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.23, no.68, pp.501-507, 2021 (Peer-Reviewed Journal)
- IV. **Crystal structure, ¹H and ¹³C NMR spectral studies of 1,2,4,5-oxadiazaborole derivatives**
PİR M., Ağırbaş H., Şahin O.
Journal of Boron, vol.4, no.4, pp.180-186, 2019 (Scopus)
- V. **Hetero Halkalı Bileşiklerin Antibakteriyel Aktivitelerinin Değerlendirilmesi**
Pir M., Budak F.
Türk Mikrobiyoloji Cemiyeti Dergisi, vol.49, no.4, pp.186-190, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **THEORETICAL CALCULATION OF STRUCTURAL PARAMETERS OF PHENOLIC COMPOUNDS, TERPENES AND TERPENOIDS OBTAINED FROM ROSEMARY ESSENTIAL OIL**
Pir M.
6. INTERNATIONAL SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Ankara, Turkey, 2 - 03 September 2023, pp.76-77
- II. **COMPUTATIONAL THEORETICAL STUDIES OF BORON ATOMS CONTAINING HYPOTHETICAL HETERO[8]CIRCULENE COMPOUNDS AND SULFLOWER COMPOUND**
Pir M.
6. INTERNATIONAL PALANDOKEN SCIENTIFIC STUDIES CONGRESS, Erzurum, Turkey, 24 - 25 June 2023, pp.624-633
- III. **DETERMINATION OF in vitro ANTIFUNGAL ACTIVITY OF HETEROCYCLIC ORGANOBORON COMPOUNDS AND DIHYDROISOXAZOLE COMPOUND AGAINST DERMATOPHYTES OBTAINED FROM CLINICAL ISOLATES AND SOME THEORETICAL CALCULATIONS**
Pir M., Budak F.
4. INTERNATIONAL HASANKEYF SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Batman, Turkey, 29 - 30 April 2023, pp.441-450
- IV. **Minimum inhibitory concentrations of some oxadiazol-5(4H)-one derivatives against several bacteria and computational studies**
Pir M., Budak F.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019, pp.810
- V. **Antimicrobial activity and QSAR studies of some new (3-substituted phenyl-4,5-dihydroisoxazole-4,5-diy)dimethanols**
Pir M., Budak F.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019, pp.2091-2094

- VI. **Oksadiazaborol Bileşiklerinde C=N, B-N Ve B-O Gruplarına Ait IR Titreşim Dalga Sayılarına Sübstitüent Etkinin İncelenmesi**
Pir M.
15. Ulusal Spektroskopi Kongresi, Yalova, Turkey, 17 - 19 May 2017, pp.37
- VII. **Oksadiazaborol Bileşiklerinde N-H Ve C=N Gruplarına Ait 1H NMR Ve 13C NMR Spektrumlarındaki Kimyasal Kaymaya Sübstitüent Etkinin İncelenmesi**
Pir M.
15. Ulusal Spektroskopi Kongresi, Yalova, Turkey, 17 - 19 May 2017, pp.110
- VIII. **SYNTHESIS and ANTIMICROBIAL ACTIVITY STUDIES of FOUR NEW SUBSTITUTED DIOXABOREPINOS**
Pir M.
4. BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.224
- IX. **HfCl₄ catalyzed Mannich type reaction and some theoretical calculations**
Pir M., Nebioğlu M.
4. BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.223
- X. **Bazı Yeni Dioksaborepin Bileşiklerinin Sentezi, Karakterizasyonu ve Yapı-Antimikrobiyal Aktivite İlişkisinin Tayini**
Pir M.
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.100
- XI. **3,5-Disübstitüe Oksadiazaborol Bileşikleri: Sentez, Antimikrobiyal Aktivite, 2D-QSAR Çalışmaları ve Teorik Hesaplamalar**
Pir M.
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.19
- XII. **SYNTHESIS AND STRUCTURE-ANTIMICROBIAL ACTIVITY RELATIONSHIP STUDIES OF 3,5-DISUBSTITUTED 4,5-DIHYDRO-1,2,4,5-OXADIAZABOROLES**
Pir M., Ağırbaş H.
DRD 2015- International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015, pp.172
- XIII. **Structure-Antimicrobial Activity Relationship Studies of 3,4,5-Trisubstituted 4,5-Dihydro-1,2,4,5-Oxadiazaboroles**
Pir M., İlter M., Budak F., Ağırbaş H.
3rd International BAU Drug Design Congress, İstanbul, Turkey, 1 - 03 October 2015, pp.113
- XIV. **Hafniyum (IV) Klorür katalizörlüğünde Üç Bileşenli Mannich Reaksiyonuyla β-Amino Karbonil Bileşiklerinin Sentezi**
Pir M., Nebioğlu M.
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.256

Supported Projects

PİR M., BUDAK F., Project Supported by Higher Education Institutions, Heterosiklik bor bileşiklerinin zoonotik *Microsporum canis* enfeksiyonu üzerine olan antifungal aktivitelerinin tayini ve QSAR (kantitatif yapı-aktivite ilişkisi) çalışması, 2021 - 2022

PİR M., Project Supported by Higher Education Institutions, Bazı Dihidroisoksazol Bileşiklerin Antimikrobiyel Aktivitelerinin Tayini Ve Moleküler Parametrelerinin Teorik Olarak Hesaplanması, 2019 - 2020

Memberships / Tasks in Scientific Organizations

TURKISH CHEMICAL SOCIETY, Principal Member, 2024 - Continues, Turkey

Scientific Refereeing

INTERNATIONAL JOURNAL OF NEW HORIZONS IN THE SCIENCES, Other journals, June 2024
INTERNATIONAL JOURNAL OF NEW HORIZONS IN THE SCIENCES, Other journals, May 2024
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, Other Indexed Journal, April 2024
Current Perspectives on Medicinal and Aromatic Plants, Other Indexed Journal, April 2024
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, September 2023
Sinop Üniversitesi Fen Bilimleri dergisi, National Scientific Refreed Journal, April 2023
Acıbadem Üniversitesi Sağlık Bilimleri Dergisi, Other Indexed Journal, March 2023
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, December 2022
Journal of the Turkish Chemical Society, Section A: Chemistry, Other Indexed Journal, October 2022
Journal of the Turkish Chemical Society, Section A: Chemistry, Other Indexed Journal, June 2022
Journal of the Turkish Chemical Society, Section A: Chemistry, Other Indexed Journal, March 2022
E - Balıkesir Sağlık Bilimleri Dergisi (BSBD), Other Indexed Journal, November 2021
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, Other Indexed Journal, August 2021
Fırat Üniversitesi Fen Bilimleri Dergisi, Other Indexed Journal, July 2021
BOR DERGİSİ, National Scientific Refreed Journal, July 2021
Natural Volatiles and Essential Oils, National Scientific Refreed Journal, December 2020
Turkish Computational and Theoretical Chemistry, Other Indexed Journal, September 2020

Tasks In Event Organizations

Pir M., 7. INTERNATIONAL PALANDÖKEN SCIENTIFIC RESEARCH CONGRESS, Scientific Congress, Erzurum, Turkey, Aralık 2023
Pir M., 6. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Scientific Congress, İstanbul, Turkey, Ekim 2023

Metrics

Publication: 24
Citation (WoS): 19
Citation (Scopus): 21
H-Index (WoS): 2
H-Index (Scopus): 2

Congress and Symposium Activities

4. INTERNATIONAL HASANKEYF SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Moderator, Batman, Turkey, 2023

Scholarships

2211- TÜBİTAK Yurt içi Doktora Bursu, TÜBİTAK, 2011 - 2017

Awards

Pir M., Fef Kimya Bölüm Birinciliği, Sakarya Üniversitesi, June 2009

Representation and Promotion Activities

Institutional Representation, Kocaeli Bykehir Belediyesi interteks fuar alanı, Turkey, Kocaeli, 2017 - 2017

Non Academic Experience

Mustafa Nevzat İlaç Sanayii (Gebze)