

Asst. Prof. Gonca Özdemir Tarı

Personal Information

Email: gozdemir@omu.edu.tr

Web: <https://avesis.omu.edu.tr/gozdemir>

International Researcher IDs

ScholarID: xC9NhggAAAAJ

ORCID: 0000-0001-5919-1778

Publons / Web Of Science ResearcherID: IYT-2850-2023

ScopusID: 36951989800

Yoksis Researcher ID: 116279

Education Information

Undergraduate, Anadolu University, Açıköğretim Fakültesi, Yönetim Bilişim Sistemleri Bölümü, Turkey 2019 - 2020

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2006 - 2013

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2004 - 2006

Dissertations

Doctorate, Schiff bazı içeren bazı organik moleküllerin deneysel ve teorik olarak incelenmesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Postgraduate, X-ışınları kırınımı ile C₁₄H₁₅N₃O₂S, C₁₃H₂₂N₆O₂.2H₂O, C₁₄H₁₁N₂O₂Cl, C₁₄H₁₁N₂O₂Br, C₂₀H₁₆N₂O₂ organik moleküllerinin yapı analizleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2005

Academic Titles / Tasks

Ondokuz Mayıs University, Vezirköprü Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2015 - Continues

Lecturer, Ondokuz Mayıs University, Vezirköprü Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2005 - 2015

Academic and Administrative Experience

Ondokuz Mayıs University, 2017 - Continues

Ondokuz Mayıs University, 2015 - 2017

Ondokuz Mayıs University, 2008 - 2010

Ondokuz Mayıs University, 2005 - 2008

Courses

Mesleki Yabancı Dil I, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

matematik 1, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021

Girişimcilik Uygulamaları ve İnovasyon, Associate Degree, 2021 - 2022, 2020 - 2021, 2017 - 2018, 2016 - 2017

matematik 2, Associate Degree, 2021 - 2022, 2020 - 2021

Mesleki Yabancı Dil II, Associate Degree, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017

MATEMATİK I, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

FİZİK, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

MATEMATİK II, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

MATEMATİK, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

çocukta bilim ve teknoloji, Associate Degree, 2016 - 2017

Mesleki Matematik, Associate Degree, 2016 - 2017

SİSTEM ANALİZİ VE TASARIM, Associate Degree, 2015 - 2016, 2014 - 2015, 2008 - 2009

MESLEKİ YABANCI DİL, Associate Degree, 2015 - 2016, 2014 - 2015

İSTATİSTİK, Associate Degree, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2005 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and DFT study of (E)-4-bromo-2(((3-chloro-4-(4-chlorophenoxy)phenyl)imino)methyl)-5-fluorophenol: Molecular and electronic properties in solvent media**
Özdemir Tarı G., Aydemir E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1277, 2023 (SCI-Expanded)
- II. **Synthesis, structural characterization by experimental and theoretical approaches of a new hydrazine derivative Schiff base compound**
Özdemir Tarı G.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.766, pp.131-155, 2023 (SCI-Expanded)
- III. **Experimental, spectroscopic and theoretical investigation of (+)-(R)-5-[1-(Benzenesulfonamido)-2-phenylethyl]-4-phenethyl-2,4-dihydro-3H-1,2,4-triazole-3-thione**
Başaran E., Demircioğlu Z., Özdemir Tarı G., Ceylan Ü., Karaküçük-İyidoğan A., Oruç-Emre E. E., AYGÜN M.
Journal of Molecular Structure, vol.1251, 2022 (SCI-Expanded)
- IV. **Spectroscopic and Theoretical Studies and Intramolecular Proton Transfer in (Z)-2-Hydroxy-6-(((2-methoxy-5-(trifluoromethyl)phenyl)amino)methylene)cyclohexa-2,4-dien-1-one**
Özdemir Tarı G., Kirca B. K., Tasdogan M., Özdemir N., Ağar E.
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.95, no.8, pp.1621-1631, 2021 (SCI-Expanded)
- V. **Synthesis, spectroscopic (FT-IR, UV-Vis), experimental (X-Ray) and theoretical (HF/DFT) study of: (E)-2-Chloro-N-((4-nitrocyclopenta-1,3-dienyl)methylene)benzenamine**
Özdemir Tarı G., CEYLAN Ü., UZUN S., Ağar E., Buyukgungor O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1174, pp.18-24, 2018 (SCI-Expanded)
- VI. **Synthesis, crystal structure, spectroscopic characterization and theoretical calculations of (Z)-N-(naphthalen-2-yl)-1-(5nitrothiophen-2-yl)methanimine**
Özdemir Tarı G., Ağar E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1147, pp.56-68, 2017 (SCI-Expanded)
- VII. **CRYSTAL STRUCTURE, SPECTRAL CHARACTERIZATION, MOLECULAR MODELING STUDIES AND STRUCTURAL EFFECTS OF THE PROTON TRANSFER PROCESS FOR (E)-5-METHOXY-2-[(3,4-DIMETHYLPHENYLIMINO)METHYL]PHENOL**
Kirca B. K., Özdemir Tarı G., KAŞTAŞ Ç. A., ODABAŞOĞLU M., Buyukgungor O.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.36, no.2, pp.265-278, 2017 (SCI-Expanded)
- VIII. **Crystal structure, spectroscopic investigations and quantum chemical computational study of 5-(diethylamino)-2-((3-nitrophenylimino)methyl)phenol**
Özdemir Tarı G., CEYLAN Ü., Ağar E., Eserci H.

JOURNAL OF MOLECULAR STRUCTURE, vol.1126, pp.83-93, 2016 (SCI-Expanded)

- IX. **Spectroscopic (FT-IR and UV-Vis) and theoretical (HF and DFT) investigation of 2-Ethyl-N-[(5-nitrothiophene-2-yl)methylidene] aniline**
CEYLAN Ü., Özdemir Tarı G., GÖKCE H., Ağar E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1110, pp.1-10, 2016 (SCI-Expanded)
- X. **Crystal structure, spectroscopic studies and quantum mechanical calculations of 2-[(3-iodo-4-methyl)phenylimino)methyl]-5-nitrothiophene**
Özdemir Tarı G., Gumus S., Ağar E.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.141, pp.119-127, 2015 (SCI-Expanded)
- XI. **3-Chloro-4-(4-chlorophenoxy)-N-[(Z)-(5-nitrothiophen-2-yl)methylidene]aniline**
Özdemir Tarı G., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.68, 2012 (SCI-Expanded)
- XII. **3-Methoxy-2-[(E)-(4-methoxyphenyl)iminomethyl]phenol**
Özdemir Tarı G., Isik S., Ozkan R., Alaman Ağar A.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.67, 2011 (SCI-Expanded)
- XIII. **Experimental and computational study of (E)-2-[(4-iodophenyl)iminomethyl]-6-methylphenol**
Özdemir Tarı G., Ceylan U., Macit M., Isik S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.67, 2011 (SCI-Expanded)
- XIV. **(E)-2-[(4-Iodophenyl)iminomethyl]-6-methylphenol**
Özdemir Tarı G., Ceylan U., Macit M., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- XV. **Experimental and Computational Study of (E)-4-Methyl-2-[[tris(hydroxymethyl)-methyl]iminomethyl] phenolate**
Özdemir Tarı G., Tanak H., Macit M., Ersahin F., Isik S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.66, 2010 (SCI-Expanded)
- XVI. **(E)-4-Methyl-2-[[tris(hydroxymethyl)methyl]iminomethyl]phenolate**
Özdemir Tarı G., Tanak H., Macit M., Ersahin F., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- XVII. **Synthesis, X-ray Molecular Structure, and Computational Study of (E)-2-[tris(hydroximethyl)methyl]aminomethylen-4-methylphenol**
Özdemir Tarı G., Isik S., Tanak H., Ersahin F., Ağar E.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XVIII. **(E)-2-Benzoyl-4-[(4-methylphenyl)diazenyl]phenol**
Gonca O., Samil I., Albayrak C., Erbil A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- XIX. **(E)-2-acetyl-4-[(3-chlorophenyl)diazenyl]phenol**
Ozdemir G., Isik S., Albayrak C., Agar E.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- XX. **1,2-Bis[5-oxo-3-(n-propyl)-4,5-dihydro-3H-1,2,4triazol-4-yl]ethane dihydrate**
Ozdemir G., Isik S., Sancak K., ŞAŞMAZ S., Okumusoglu N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.61, 2005 (SCI-Expanded)
- XXI. **1-(N-Ethylthiocarbamoyl)-3,5-di-2-furyl-2-pyrazoline**
Ozdemir G., Isik S., Ozdemir Z., Bilgin A.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.61, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **2-(2- İyodofenil)isoindolin-1,3-dion) Molekülünün Hesaplamalı Kimya Yöntemiyle Yapısal Analizi**
ÖZDEMİR TARI G., DEMİRTAŞ G.

IJMSIT, vol.6, 2022 (Peer-Reviewed Journal)

- II. **Electronic and Nonlinear Optical Properties Determination of N,N'-[ethane-1,2-diylbis(oxy)]bis(4-metilbenzen-sulfonamid)Molecule by theoretical Methods**

TARI G. Ö.

Karadeniz Fen Bilimleri Dergisi, vol.12, no.1, pp.178-192, 2022 (Peer-Reviewed Journal)

- III. **(E)-5-Fenil-N-(2-tiyenilmetilen)-1,3,4-tiyadiazol-2-amin'in Hirshfeld Yüzey Analizi ve Teorik Hesaplamaları**

ÖZDEMİR TARI G., DEMİRTAŞ G.

Avrupa Bilim ve Teknoloji Dergisi, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Krisin Türevi Bir Bileşiğin Hesaplamalı Kimya Yöntemiyle İncelenmesi**

ÖZDEMİR TARI G.

in: Fen Bilimleri ve Matematik Alanında Gelişmeler, Prof. Dr. Oktay Talaz, Editor, Platanus Publishing, pp.379-390, 2023

- II. **Fen Bilimleri ve Matematikte Teori ve Araştırmalar**

ÖZDEMİR TARI G., KOŞAR B., ALBAYRAK KAŞTAŞ Ç., ODABAŞOĞLU M., BÜYÜKGÜNGÖR O.

in: Fen Bilimleri ve Matematikte Teori ve Araştırmalar, Hasan Akgül, Murat Kütük, Editor, Serüven Yayınevi, İzmir, pp.3, 2022

- III. **ENERGETIC BEHAVIORS OF THE SCHIFF BASE COMPOUND USING DFT BASED METHODS IN SOLVENT MEDIA**

ÖZDEMİR TARI G.

in: New Horizons in Science and Mathematics, Prof. Dr. Hüsnüye Aka Sağlıker, Dr. Öğr. Gör. Abdurrahman Günday, Editor, Gece Yayınevi, pp.1, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Theoretical studies of the compound N-(4-iodophenyl)quinoline-2-carboxamide compound**

ÖZDEMİR TARI G.

12. ULUSLARARASI BİLİMSEL ÇALIŞMALAR KONGRESİ, Turkey, 19 - 20 September 2023

- II. **4-Florobenzaldehit Pikoloilhidrazon Bileşiğinin Teorik Çalışmaları**

ÖZDEMİR TARI G.

15th international scientific research congress, Turkey, 17 December 2022

- III. **Theoretical Investigations on a 6,6'-((1E,1'E)-hydrazine-1,2-diylidenebis(methanylylidene))bis(2-(trifluoromethoxy)phenol)**

ÖZDEMİR TARI G., MERAL S.

Uluslararası Akademik ve Bilimsel Çalışmalar ve Araştırmalar Kongresi, Turkey, 1 - 02 September 2022

- IV. **Structural properties of (E)-N-(4-(tert-butoxy)-2-nitrophenyl)-1-(5-nitrothiophen-2-yl)methanimine) using the DFT approach**

ÖZDEMİR TARI G., MERAL S.

9. Uluslararası bilimsel çalışmalar kongresi, Turkey, 3 - 05 August 2022

- V. **(E)-5-Fenil-N-(2-tiyenilmetilen)-1,3,4-tiyadiazol-2-amin'in Hirshfeld Yüzey Analizi ve Teorik Hesaplamaları**

ÖZDEMİR TARI G., DEMİRTAŞ G.

International conference on design, research and development, Kayseri, Turkey, 15 - 18 December 2021

- VI. **The Optimization and Nonlinear Optical Properties of The Schiff Base Compound in Solvent Media**

ÖZDEMİR TARI G.

V. International Congress on Natural and Health Sciences, 13 - 15 December 2019

- VII. **The Nonlinear Optical Properties of (E)-2-Acetyl-4-[(3-chlorophenyl)diazanyl]phenol in Solvent Media**
ÖZDEMİR TARI G.
1. Uluslararası multidisipliner çalışmalar ve araştırmalar kongresi, 6 - 08 September 2019
- VIII. **Quantum Chemical Calculation Studies of (E)-2-Benzoyl-4-[(4-methylphenyl)diazanyl]-phenol**
ÖZDEMİR TARI G., CEYLAN Ü.
itesdes, 27 - 29 June 2018
- IX. **Experimental and Theoretical Studies for (E)-5-Methoxy-2-[(3,4-dimethylphenylimino)methyl]phenol**
ÖZDEMİR TARI G., KOŞAR B.
3. Hesaplamalı Kimya Kongresi, Ankara, Turkey, 12 - 14 October 2017
- X. **Synthesis Crystal Structure Spectroscopic Characterization and Theoretical Calculations of Z N naphthalen 2 yl 1 5 nitrothiophen 2 yl methanimine**
ÖZDEMİR TARI G., GÜMÜŞ UZUN S., AĞAR E.
II. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2015), Antalya, Turkey, 13 - 18 September 2015
- XI. **Crystal Structure Analysis, Spectroscopic and Quantum Mechanical Investigation of (E)-3-(((2-methoxy-5-(trifluoromethyl)phenyl)imino)methyl)benzene-1,2-diol**
ÖZDEMİR TARI G., taşdoğan m., özdemir n., AĞAR E.
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017
- XII. **Experimental and Quantum Mechanical Study of (Z)-N-(2-methylphenyl)-1-[5-(2-nitrophenyl)furan-2-yl]methanimine**
ÖZDEMİR TARI G.
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 6 - 10 September 2017
- XIII. **Synthesis, Spectroscopic (FT-IR, UV-Vis), Experimental (X-Ray) and Theoretical (HF/DFT) Study of: (E)-2-chloro-N-((4-nitrocyclopenta-1,3-dienyl)methylene)benzenamine**
ÖZDEMİR TARI G., CEYLAN Ü., AĞAR E., BÜYÜKGÜNGÖR O.
The 3rd International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- XIV. **3-Metoksi-2-[(E)-(4-metoksifenil)-iminometil]fenol Schiff Bazı Bileşiğinin Kuantum Mekaniksel Yöntemlerle İncelenmesi**
ÖZDEMİR TARI G.
6. Fiziksel Kimya Kongresi, Turkey, 15 - 18 May 2017
- XV. **Synthesis Experimental Techniques Spectroscopic Investigations and Quantum Chemical Computational Study of Z N 2 bromo 3 methylphenyl 1 5 nitrothiophen 2 yl methanimine**
ÖZDEMİR TARI G., GÜMÜŞ UZUN S., AĞAR E.
II. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2015), Antalya, Turkey, 13 - 18 September 2015
- XVI. **Crystal Structure Spectroscopic Investigations and Quantum Chemical Computational Studies of 2-[(3-nitrophenylimino methyl)]- 5-diethylaminophenol**
ÖZDEMİR TARI G., CEYLAN Ü., GÜMÜŞ UZUN S., AĞAR E.
XIIIth International Conference on Molecular Spectroscopy, Wroclaw, Poland, 9 - 13 September 2015
- XVII. **Experimental and theoretical HF and DFT investigation of 2 Ethyl N 5 nitrothiophen 2 yl methylidene aniline**
MUTUK H., CEYLAN Ü., ÖZDEMİR TARI G., AĞAR E.
9th International Physics Conference of the Balkan Physical Union-BPU9, İstanbul, Turkey, 24 - 27 August 2015
- XVIII. **Crystal Structure Spectroscopic Studies and Quantum Mechanical Calculations of 2 3 Iodo 4 methyl phenylimino methyl 5 nitrothiophene**
ÖZDEMİR TARI G., GÜMÜŞ UZUN S., AĞAR E.
TUCr2014 Uluslararası Katılımlı 4. Ulusal Kristalografi Toplantısı, Diyarbakır, Turkey, 17 - 19 May 2014
- XIX. **Crystal Structure and Quantum Mechanical Calculations of 3 Chloro 4 4 chlorophenoxy N Z 5 Nitrothiophen 2 yl methylidene aniline**

ÖZDEMİR TARI G.

3rd Turkish Crystallographic Meeting, İzmir, Turkey, 7 - 09 June 2012

XX. Experimental and Computational study of E 2 4 iodophenyl iminomethyl 6 methylphenol

ÖZDEMİR TARI G., CEYLAN Ü., MACİT M.

XXII Congress and General Assembly of the International Union of Crystallography, Madrid, Spain, 22 - 30 August 2011

XXI. Synthesis X ray Molecular Structure and Computational Study of E 2 tris hydroxymethyl methy aminomethylen 4 methylphenol

ÖZDEMİR TARI G., TANAK H., ERŞAHİN F., AĞAR E.

25th European Crystallographic Meeting, İstanbul, Turkey, 16 - 21 August 2009

XXII. Temel Astronomideki Kavram Yanılgıları ve Değişimleri

KALKAN H., ÖZDEMİR TARI G.

XV. Ulusal Astronomi Kongresi, IV Ulusal Öğrenci Astronomi Kongresi, İstanbul, Turkey, 28 August - 01 September 2006

XXIII. Molecular structure of E 2 Acetyl 4 4 bromophenyldiazenyl phenol I and E 2 Acetyl 4 4 fluorophenyldiazenyl phenol II

ÖZDEMİR TARI G., ALBAYRAK KAŞTAŞ Ç., AĞAR E.

2nd Turkish Crystallographic Meeting, Kayseri, Turkey, 17 - 19 May 2006

XXIV. Molecular Structure of 1 2 4 5 Tetrakis 2 6 Diisopropylphenoxymethyl benzene

ÖZDEMİR TARI G., AKDEMİR N., AĞAR E.

2nd Turkish Crystallographic Meeting, Kayseri, Turkey, 17 - 19 May 2006

Supported Projects

Özdemir Tarı G., Project Supported by Higher Education Institutions, Gallacetophenone ve 5-bromo-4-fluoro-2-hydroxybenzaldehyde İçeren Schiff Bazı Bileşiklerin Kristalografik ve Kuantum Mekaniksel Yöntemlerle İncelenmesi, 2017 - 2020