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### Education Information

Doctorate, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Kimya (Dr), Turkey 2020 - Continues

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2012 - 2018

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2005 - 2012

### Dissertations

Postgraduate, 1,6-diokso-2,4-disulfonil grubu içeren polimerik ftalosiyanın sentezi ve karakterizasyonu, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2018

### Research Areas

Organic Chemistry

### Academic Titles / Tasks

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 2021 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Experimental and Theoretical Biological Probing of Schiff Bases as Esterase Inhibitors: Structural, Spectral and Molecular Insights**  
Raza M. A., Mumtaz M. W., Öztürk S., Latif M., Aisha A., Ashraf A., DEGE N., Dođan O. E., Ađar E., Rehman S. U., et al. *Molecules*, vol.28, no.15, 2023 (SCI-Expanded)
- Structural, Spectroscopic and Molecular Characterization of an Asymmetric Schiff Base Compound**  
Dođan O. E., Poyraz E. B., Saracoglu H., Agar T., Yasa B., Dege N. *JOURNAL OF STRUCTURAL CHEMISTRY*, vol.64, no.6, pp.1147-1163, 2023 (SCI-Expanded)
- Quantum computational, spectroscopic investigations on N-(2-((2-chloro-4,5-dicyanophenyl)amino)ethyl)-4-methylbenzenesulfonamide by DFT/TD-DFT with different solvents, molecular docking and drug-likeness researches**  
DEGE N., GÖKCE H., Dođan O. E., ALPASLAN G., Agar T., Muthu S., SERT Y. *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*, vol.638, 2022 (SCI-Expanded)

- IV. **Theoretical and experimental approaches of new Schiff bases: efficient synthesis, X-ray structures, DFT, molecular modeling and ADMET studies**  
DEGE N., Raza M. A., Doğan O. E., Agar T., Mumtaz M. W.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.18, no.9, pp.2345-2368, 2021 (SCI-Expanded)
- V. **Synthesis of two new Schiff bases; crystal structure, Hirshfeld surface analysis, density functional theory and molecular docking**  
Raza M. A., DEGE N., Doğan O. E., Agar T., Sumrra S. H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1226, 2021 (SCI-Expanded)
- VI. **Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterization, and quantum computational evaluation of (E)-2-(((4-bromophenyl)imino)methyl)-6-methylphenol**  
SERT Y., Doğan O. E., GÖKCE H., Agar T., UCUN F., DEGE N.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.144, 2020 (SCI-Expanded)
- VII. **Crystal structure and computational studies of (E)-1-(benzo[b]thiophen-3-yl)-N-(4-ethoxyphenyl)methanimine**  
Bülül H., Köysal Y., Doğan O. E., DEGE N., Açar E.  
CRYSTALLOGRAPHY REPORTS, vol.64, no.3, pp.403-406, 2019 (SCI-Expanded)
- VIII. **Molecular structure, spectroscopic, and density functional theory studies of o-Dianisidine**  
EVEGEN M., TANAK H., DEGE N., KARA M., Doğan O. E., Açar E.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.648, no.1, pp.183-201, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **SPECTROSCOPIC, CRYSTAL STRUCTURE, HIRSHFELD SURFACE AND DFT STUDIES OF 2-AMINO-4-CHLOROBENZONITRILE**  
DOĞAN O. E., AÇAR E., DEGE N., Normaya E., Sirat S. S., Dzulkifli N. N.  
MALAYSIAN JOURNAL OF ANALYTICAL SCIENCES, vol.28, no.1, pp.21-32, 2024 (Scopus)
- II. **(E)-4-bromo-5-floro-2-(((4-(fenilamino)fenil)imino)metil)fenol Bileşiğinin Kimyasal Aktivite ve Spektroskopik Çalışmaları**  
KALECİK S., güzel e., DOĞAN O. E., AÇAR E., YAVUZ M.  
Karadeniz Fen Bilimleri Dergisi, vol.12, 2022 (Peer-Reviewed Journal)
- III. **Crystal structure and Hirshfeld surface analysis of (E)-2-(((2-iodophenyl)imino)methyl)-6-methylphenol**  
Kansiz S., Agar T., DEGE N., Doğan O. E., Ahmed R., Saif E.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.1595-1602, 2020 (ESCI)
- IV. **Crystal structure, Hirshfeld surface analysis and DFT studies of (E)-4-methyl-2-(((2-methyl-3-nitrophenyl)imino)methyl)phenol**  
Cinar E. B., Faizi M. S. H., YAĞCI N. K., Doğan O. E., Aydın A. S., Açar E., DEGE N., Mashrai A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.1551-1561, 2020 (ESCI)
- V. **Synthesis, crystal structure and Hirshfeld surface analysis of 1,7-dimethyl-5a,6,11a,12-tetrahydrobenzo[b]benzo[5,6][1,4]oxazino[2,3-e][1,4]oxazine**  
Cinar E. B., Yesilbag S., Doğan O. E., Açar E., DEGE N., Saif E.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.1472-1479, 2020 (ESCI)
- VI. **Crystal structure, Hirshfeld surface analysis and DFT studies of 4-methyl-2-(((4-(trifluoromethyl)phenyl)imino)methyl)phenol**  
Faizi M. S. H., Cinar E. B., Doğan O. E., Aydın A. S., Açar E., DEGE N., Mashrai A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.1325-1335, 2020 (ESCI)

- VII. **Crystal structure, Hirshfeld surface analysis and DFT studies of (E)-4-methyl-2-[(4-methylphenyl)imino]methylphenol**  
YAĞCI N. K., Faizi M. S. H., Aydin A. S., DEGE N., Doğan O. E., Ağar E., Mashrai A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.1075-1083, 2020 (ESCI)
- VIII. **Crystal structure and Hirshfeld surface analysis of 2-phenyl-1H-phenanthro[9,10-d]imidazol-3-ium benzoate**  
Ahmed R., Doğan O. E., Ali F., Ahmad M., Ahmed A., DEGE N., Golenia I. A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.724-733, 2020 (ESCI)
- IX. **Crystal structure, DFT and MEP study of (E)-2-[(3-chlorophenyl)imino]methyl-6-methylphenol**  
Saraçoğlu H., Doğan O. E., Agar T., DEGE N., Iskenderov T. S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.76, pp.141-148, 2020 (ESCI)
- X. **(E)-3-[(2-Bromo-3-methylphenyl)imino]methylbenzene-1,2-diol: crystal structure and Hirshfeld surface analysis**  
Doğan O. E., DEGE N., Ağar E., Fritsky I. O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.75, pp.1930-1940, 2019 (ESCI)
- XI. **Crystal structure and DFT study of (E)-2-chloro-4-[[2-(2,4-dinitrophenyl)hydrazin-1-ylidene]methyl]phenol acetonitrile hemisolvate**  
DEGE N., Faizi M. S. H., Doğan O. E., Ağar E., Golenya I. A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.75, pp.770-778, 2019 (ESCI)
- XII. **(Z)-3-[[3-Methoxy-5-(trifluoromethyl)phenyl]imino]methylbenzene-1,2-diol**  
Kanmazalp S. D., Doğan O. E., DEGE N., Ağar E., Bülbül H., Golenya I. A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.75, pp.470-479, 2019 (ESCI)
- XIII. **Crystal structure and Hirshfeld surface analysis of a Schitt base: (Z)-6-[(5-chloro-2-methoxyanilino)-methylidene]-2-hydroxycyclohexa-2,4-dien-1-one**  
Kanmazalp S. D., Doğan O. E., Tasdemir O., DEGE N., Ağar E., Fritsky I. O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.75, pp.362-371, 2019 (ESCI)
- XIV. **Crystal structure of 2-[(5-nitrothiophen-2-yl)methylidene]amino]phenol**  
Kocak F., TANAK H., Ağar E., Doğan O. E., Özdemir N.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.71, 2015 (ESCI)