

ÖZGEÇMİŞ VE ESERLER LİSTESİ

ÖZGEÇMİŞ

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Uzmanlık Alanı: Fizik

Derece	Bölüm/Program	Üniversite	Yıl
Doktora	FİZİK (DR)	Ondokuz Mayıs Üniversitesi	2020
Yüksek Lisans	FİZİK (YL) (TEZLİ)	Giresun Üniversitesi	2014
Lisans	FİZİK BÖLÜMÜ	Giresun Üniversitesi	2011

Yüksek Lisans Tez Başlığı (özeti ekte) ve Tez Danışman(lar)ı:

Karboksilik asit koordinasyonlu bazı geçiş metal komplekslerinin flüoresans parametrelerinin ölçülmesi

Doktora Tezi/S.Yeterlik Çalışması/Tıpta Uzmanlık Tezi Başlığı (özeti ekte) ve Danışman(lar)ı:

Keto grubu içeren piridazin türevi bazı bileşiklerden sentezlenmiş tek kristallerin yapılarının çeşitli spektroskopik ve hesaplamalı yöntemlerle aydınlatılması

Son iki yılda verdiği lisans ve lisansüstü düzeydeki dersler (Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir):

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2025	Güz	Fizik			
2025	Güz	İşletme Matematik-I			
2025	Güz	Yöneticiler İçin Matematik-I			
2025	Güz	Fizik ve Biyofizik			
2025	Bahar	İşletme Matematik-II			
2025	Bahar	Yöneticiler İçin Matematik-II			
2025	Bahar	Araştırma Yöntemleri ve Veri Analizi			
2025	Bahar	Fizik			

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

A1. El Hassani I. A., Isa M. A., Ameziane El Hassani A., Baydere Demir C., Dege N., Alzahrani A. Y. A., Kappo A. P., Ansar M., Karrouchi K., "(E)-N'-(4-chlorobenzylidene)-5-methyl-1H-pyrazole-3-carbohydrazide as a potential PI3K α targeting scaffold, synthesis, X-ray crystallography, DFT, molecular docking, molecular dynamics simulations, and MMGBSA analysis", *Journal of Molecular Structure*, vol. 1359, 2026.

- A2.** Sadikhova N. D., Baydere Demir C., Dege N., Hasanov K. I., Jamalov P. J., Belay A. N., "Crystal Structure and Hirshfeld Surface Analysis and DFT Studies of 5-Iodobenzo[c][1,2,5]Selenadiazole", *Journal of Structural Chemistry*, vol. 67, no. 2, pp. 442-452, 2026.
- A3.** Guseynova S. N., Samigullina A. I., Baydere Demir C., Dege N., Sepay N., Zangrando E., Hasanov K. I., Belay A. N., "Synthesis, crystal structure and Hirshfeld surface analysis of 2,2-dichloro-3,3-diethoxy-1-(4-fluorophenyl)propan-1-ol", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 81, pp. 444-447, 2025.
- A4.** Dadou S., Altay A., Baydere Demir C., Anouar E. H., Türkmenoğlu B., Koudad M., Dege N., Oussaid A., Benchat N., Karrouchi K., "Chalcone-based imidazo[2,1-b]thiazole derivatives: synthesis, crystal structure, potent anticancer activity, and computational studies", *Journal of Biomolecular Structure and Dynamics*, vol. 43, no. 1, pp. 261-276, 2025.
- A5.** Saddik R., Brandan S., Mortada S., Baydere Demir C., Roby O., Dege N., Tighadouini S., Tahiri M., Faouzi M. A., Karrouchi K., "Synthesis, crystal structure, Hirshfeld surface analysis, DFT and antihyperglycemic activity of 9-allyl-2,3,9,10a-tetrahydrobenzo[b]cyclopenta[e][1,4]diazepin-10(1H)-one", *Journal of Molecular Structure*, no. 1283, pp. 135283, 2023.
- A6.** El Kalai F., Baydere Demir C., Dege N., Abudunia A., Benchat N., Karrouchi K., "Crystal structure and Hirshfeld surface analysis of 2-oxo-2-phenylethyl 3-nitroso-2-phenylimidazo-[1,2-a]pyridine-8-carboxylate", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 78, pp. 322-325, 2022.
- A7.** Al-karawi A. J. M., Omarali A. B., Mangelsen S., Dege N., Kansız S., Breuninger P., Baydere Demir C., Omarali O. B., "An unprecedented formation of new copper(II) complexes as bioactive materials based on copper-catalyzed click reaction", *Polyhedron*, vol. 198, 2021.
- A8.** Daoui S., Baydere Demir C., Akman F., El Kalai F., Mahi L., Dege N., Topcu Y., Karrouchi K., Benchat N., "Synthesis, X-ray crystallography, vibrational spectroscopy, thermal and DFT studies of (E)-6-(4-methylstyryl)-4,5-dihydropyridazin-3(2H)-one", *Journal of Molecular Structure*, vol. 1225, no. 1225, pp. 129180, 2021.
- A9.** El Kalai F., Karrouchi K., Baydere Demir C., Daoui S., Allali M., Dege N., Benchat N., Brandan S., "Synthesis, crystal structure, spectroscopic studies, NBO, AIM and SQMFF calculations of new pyridazinone derivative", *Journal of Molecular Structure*, vol. 1223, no. 1223, pp. 129213, 2021.
- A10.** Bouzian Y., Baydere Demir C., Dege N., Ahabchane N. H., Mague J. T., Abudunia A., Karrouchi K., Essassi E. M., "Crystal structure, Hirshfeld surface analysis, DFT and molecular docking investigation of 2-(2-oxo-1,3-oxazolidin-3-yl)ethyl 2-[2-(2-oxo-1,3-oxazolidin-3-yl)ethoxy]quinoline-4-carboxylate", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 77, pp. 28-33, 2021.
- A11.** Daoui S., Baydere Demir C., Chelfi T., El Kalai F., Dege N., Karrouchi K., Benchat N., "Polymorphism of 2-(5-benzyl-6-oxo-3-phenyl-1,6-dihydropyridazin-1-yl)acetic acid with two monoclinic modifications: Crystal structures and Hirshfeld surface analyses", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 76, pp. 432-436, 2020.
- A12.** Daoui S., Baydere Demir C., El Kalai F., Mahi L., Dege N., Karrouchi K., Benchat N., "Crystal structure, Hirshfeld surface analysis and DFT studies of 2-[5-(4-methylbenzyl)-6-oxo-3-phenyl-1,6-dihydropyridazin-1-yl]acetic acid", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 75, pp. 1925-1929, 2019.
- A13.** Dadou S., Kansız S., Daoui S., El Kalai F., Baydere Demir C., Saddik R., Karrouchi K., Dege N., Benchat N., "Crystal structures and Hirshfeld surface analyses of 4-benzyl-6-phenyl-4,5-dihydropyridazin-3(2H)-one and methyl 2-[5-(2,6-dichlorobenzyl)-6-oxo-3-phenyl-1,4,5,6-tetrahydropyridazin-1-yl]acetate", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 75, pp. 1679-1684, 2019.
- A14.** Daoui S., Baydere Demir C., El Kalai F., Saddik R., Dege N., Karrouchi K., Benchat N., "Crystal structure and Hirshfeld surface analysis of (E)-6-(4-hydroxy-3-methoxystyryl)-4,5-dihydropyridazin-3(2H)-one", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 75, pp. 1734-1737, 2019.
- A15.** Daoui S., Cinar E. B., El Kalai F., Saddik R., Karrouchi K., Benchat N., Baydere Demir C., Dege N., "Crystal structure and Hirshfeld surface analysis of 4-(4-methylbenzyl)-6-phenylpyridazin-3(2H)-one", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 75, pp. 1352-1356, 2019.
- A16.** Baydere Demir C., Taşçı M., Dege N., Arslan M., Atalay Y., Golenya I. A., "Crystal structure and Hirshfeld surface analysis of (E)-2-(2,4,6-trimethylbenzylidene)-3,4-dihydronaphthalen-1(2 H)-one", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 75, no. 75, pp. 746-750, 2019.
- A17.** El Kalai F., Baydere Demir C., Daoui S., Saddik R., Dege N., Karrouchi K., Benchat N., "Crystal structure and Hirshfeld surface analysis of ethyl 2-[5-(3-chlorobenzyl)-6-oxo-3-phenyl-1,6-dihydropyridazin-1-yl]acetate", *Acta Crystallographica Section E: Crystallographic Communications*, vol. 75, pp. 892-895, 2019.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler:

- B1.** Baydere Demir C., Crystal Structure, DFT Studies And Hirshfeld Surface Analysis Of (E)-3-(6-(4-Fluorophenyl)Imidazo[2,1-b]Thiazol-5-Yl)-1-(4-Methoxyphenyl)Prop-2-En-1-One Compound, In: *ISARC 1.INTERNATIONAL GAZIANTEP SCIENTIFIC RESEARCH CONGRESS*, Gaziantep, Türkiye, 2024, pp. 448-463.
- B2.** Baydere Demir C., Kansız S., Dege N., Crystal structure and Hirshfeld surface analysis of tris(acetylacetonato)-diaqua-europium monohydrate, In: *1st International Technology Sciences and Design Symposium (ITESDES 2018)*, Giresun, Türkiye, 2018.
- B3.** Kaçal M. R., Özdemir E. G., Akman F., Baydere Demir C., The Chemical Effect on the Fluorescence Yield Parameters of Ligands of Malonic Acid CH₂ COOH 2 and Phenylmalonic Acid C₆H₅NCH COOH 2, In: *IPCAP 2016 – INTERNATIONAL PHYSICS CONFERENCE AT THE ANATOLIAN PEAK*, Erzurum, Türkiye, 2016.

B4. Akdemir F., Kaçal M. R., Baydere Demir C., Araz A., Akman F., Durak R., MEASUREMENT OF FLUORESANS PARAMETERS OF SOME NI AND ZN TRANSITION METAL COMPLEXES WITH CARBOXYLIC ACID COORDINATION., In: *9th International Physics Conference of the Balkan Physical Union*, İstanbul, Türkiye, 2015.

B5. Araz A., Kaçal M. R., Akdemir F., Baydere Demir C., Akman F., Durak R., THE INVESTIGATION OF CHEMICAL EFFECT ON SOME CU AND FE METAL COMPLEXES., In: *9th International Physics Conference of the Balkan Physical Union*, İstanbul, Türkiye, 2015.

D. Ulusal hakemli dergilerde yayımlanan makaleler:

D1. Baydere Demir C., "DFT studies of 2-oxo-2-phenylethyl 3-nitroso-2-phenylimidazo[1,2-a]pyridine-8-carboxylate compound", *Düzce Üniversitesi Bilim ve Teknoloji Dergisi*, vol. 13, no. 3, pp. 1072-1088, 2025.