



CURRICULUM VITAE

Name and Surname: İlkey YILDIRIM
Date of Birth: 1983
Academic Title: Assistant Professor
Work Address:
Email: iyildirim@biruni.edu.tr
Foreign Languages Known (Score and Year): English, B1 Intermediate, 2018
English, B1 Intermediate, 2007
Area of Expertise: Engineering and Technology
Natural Sciences

Degree	Department/Program	University	Year
Doctorate	PHYSICS (PhD)	Ondokuz Mayıs University	2013
Master's Degree	PHYSICS (MSc)	Ondokuz Mayıs University	2007
Bachelor's Degree	PHYSICS	Ondokuz Mayıs University	2004

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Kükürtlü radikallerin EPR ile incelenmesi

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Piridin-2,6-dikarboksilik asit, orotik asit, metabisülfid, sakkarin, imidazol ve metil imidazol geçiş metal komplekslerinin x-ışını, epr, optik soğurma teknikleri ile incelenmesi

Position Title	Workplace	Year
Assistant Professor	Biruni University	2014-Continues

Supervised Master's Theses:

- Sosyo-kültürel uyum sürecinde evinin dışında üniversite eğitimi alan Türk ve yabancı uyruklu öğrencilerin farklı antropometrik indeksleri kullanarak duygusal yeme davranışının değerlendirilmesi (2022)
- Hemodiyaliz hastalarında yaşam kalitesi ve nütrisyonel değerlendirmede hawthorne etkisi (2022)

Roles in Projects:

Bazı Schiff Bazı Komplekslerinin Sentezi, Karakterizasyonu ve EPR Yöntemi Kullanılarak Özelliklerinin İncelenmesi (2023 - 2025)

Cu²⁺ ve VO²⁺ Katkılı Bazı Orotate, İmidazol, Sakarin Komplekslerinin EPR ve Optik Soğurma Spektrumları ile İncelenmesi (2010 - 2012)

Administrative Duties:

Head of Department - Biruni University (2021 - Continues)

Deputy School Director - Biruni University (2019 - 2023)

Head of Department - Biruni University (2014 - Continues)

Undergraduate and graduate level courses taught in the last two years (If offered, summer courses will also be added to the table):

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2024	Spring	Biyofizik			
2024	Spring	Ses Fiziği			
2024	Spring	Fizik			
2024	Spring	Temel Fizik			
2024	Spring	Mesleki Oryantasyon Uygulamaları			
2024	Spring	Akustik Fizik			
2024	Spring	Radyoterapiye Giriş			
2024	Spring	Radyoterapi Uygulamaları II			
2024	Spring	Radyoterapi Uygulamaları I			
2024	Spring	Tıbbi Radyofizik			
2024	Fall	Biyofizik			
2024	Fall	Ses Fiziği			
2024	Fall	Fizik			
2024	Fall	Temel Fizik			
2024	Fall	Mesleki Oryantasyon Uygulamaları			
2024	Fall	Akustik Fizik			
2024	Fall	Radyoterapiye Giriş			
2024	Fall	Radyoterapi Uygulamaları II			
2024	Fall	Radyoterapi Uygulamaları I			
2024	Fall	Tıbbi Radyofizik			

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. "Design, synthesis, characterization, and biological activities of novel Ag(I)-NHC complexes based on 1,3-dioxane ligand", Journal of Inorganic Biochemistry, 2024.

A2. "Synthesis, Crystal Structure, Hirshfeld Surface Analysis and DFT Studies of (Z)-1-(2-(4-Nitrophenyl)Hydrazineylidene)Naphthalen-2(1H)-One", Journal of Structural Chemistry, 2023.

A3. "First used of Alkylbenzimidazole-Cobalt(II) complexes as a catalyst for the N-Alkylation of amines with alcohols under solvent-free medium", Journal of Organometallic Chemistry, 2020.

A4. "Palladium-carbene catalyzed direct arylation of five-membered heteroaromatics", Journal of Molecular Structure, 2020.

A5. "Well-defined PEPPSI-themed palladium-NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes", Applied Organometallic Chemistry, 2020.

A6. "Synthesis, Spectroscopy, X-ray Crystallography, and DFT Studies of Dichlorobis[1-(allyl)-1H-imidazole-κN 3]copper(II)", Russian Journal of Physical Chemistry A, 2019.

A7. "Characterizing the paramagnetic behavior of Cu²⁺ doped nickel(II) dipicolinato by using theoretical and experimental EPR and UV-vis studies", Physica B: Condensed Matter, 2016.

A8. "EPR study of Cu²⁺ ion doped orotato(nicotinamid)cobalt(II) single crystal", Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016.

A9. "EPR study of gamma irradiated DL-methionine sulfone single crystals", Journal of Molecular Structure, 2015.

A10. "Revealing the Spin-Hamiltonian and Characteristic Parameters of Paramagnetic Centers in Cu²⁺-Doped Potassium Metabisulfite (K₂S₂O₅) Single Crystal by Electron Paramagnetic Resonance Technique", Applied Magnetic Resonance, 2014.

A11. "EPR study of gamma irradiated N-methyl taurine (C₃H₉NO₃S) and sodium hydrogen sulphate monohydrate (NaHSO₃·H₂O) single crystals", Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011.

A12. "EPR study of gamma-irradiated Na₂S₂O₃·5H₂O single crystals", Radiation Physics and Chemistry, 2009.

D. Articles published in national peer-reviewed journals:

D1. "Experimental and Theoretical Investigation of a β-Diketiminate Schiff Base Derivative", Celal Bayar University Journal of Science, 2021.

E. Papers presented at national scientific meetings and published in proceedings:

E1. "Experimental and theoretical investigation on N-(3-hydroxyphenyl)benzenesulfonamide", 5th Turkish National Crystallographic Meeting, 2024.