

CURRICULUM VITAE

Name and Surname: Bedia KAYMAKÇIOĞLU
Date of Birth: 1973
Academic Title: Professor Dr.
Work Address:
Email: bkaymakcioglu@biruni.edu.tr
Foreign Languages Known (Score and Year): English, B2 Upper Intermediate, 2024
Area of Expertise: Health Sciences
Natural Sciences

Degree	Department/Program	University	Year
Doctorate	FARMASÖTİK KİMYA (DR)	Marmara University	2001
Master's Degree	FARMASÖTİK KİMYA (YL) (TEZLİ)	Ankara University	1996
Bachelor's Degree	ECZACILIK PR.	Ankara University	1993

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

Bazı yeni N-(2-hidroksi-5-süstitüefenil) benzenasetamid, fenoksiasetamid ve tiyofenoksiasetamid türevlerinin sentez, yapı aydınlatması, mikrobiyolojik etkilerinin saptanması ve olası metabolit etkinliklerinin araştırılması

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

4-Amino-3,5-dimetilpirazolden türeyen süstitüe üre, tiyoüre ve hidrazonların sentezi ve biyolojik aktivitelerinin incelenmesi

Position Title	Workplace	Year
Professor Dr.	Biruni University	2023-Continues
Professor Dr.	Marmara University	2012-Continues
Associate Professor	Marmara University	2006-Continues
Assistant Professor	Marmara University	2002-2006
Lecturer	Marmara University	2001-2002
Research Assistant	Marmara University	1998-2001
Research Assistant	Ankara University	1993-1996

Supervised Master's Theses:

1. Bazı yeni hidrazid-hidrazonlar ve bunlardan türetilen metal komplekslerinin sentezi ve aktivitelerinin incelenmesi” (2015)

Supervised Doctoral Theses/Proficiency Studies in Arts:

1. Kaderiye Akdağ, Bazı Yeni Hidrazid-Hidrazonlar ve Bunlardan Türetilen Sübstitüe 1,3,4-Oksadiazol Türevlerinin Sentezi ve Analjezik-Antiinflamatuvar Aktivitelerinin İncelenmesi (2018)

Roles in Projects:

Alzheimer Hastalığının Tedavisine Yönelik Çok Hedefli Sülfonamit Grubu Taşıyan Yeni Tiyoüre Ve 1,3-Tiyazolidin-4-On Türevlerinin Tasarımı, Sentezi Ve Biyolojik Aktivite Çalışmaları (2024 - Continues)

Moleküler Modelleme Tabanlı Antidiyabetik Aktivite Potansiyeline Sahip Yeni Sülfonamit-Pirazolin Hibrit Moleküllerinin Tasarım, Sentezi Ve Aktivite Çalışmaları. (2025 - Continues)

Biyolojik Etkinlik Göstermesi Muhtemel Nabumeton Türevi Bileşiklerinin Sentezi Ve Yapı Karakterizasyonu (2024 - Continues)

Piperidin halkası taşıyan bazı yeni hidrazonların ve bunlardan türetilen metal komplekslerinin sentezi, yapılarının aydınlatılması ve antikanser aktivitelerinin incelenmesi (2023 - Continues)

Proje Başlığı : Bazı yeni tiyosemikarbazon türevlerinin sentezi, yapısının aydınlatılması, AChE ve BChE enzim inhibitör özellikleri ve moleküler docking çalışmaları (2024 - Continues)

Bebeklerde Pişik Önleyici Amaçla, Biodegradable Fiber Kumaş İçeren Bitkisel İçerikli Islak Mendillerin Geliştirilmesi (2022 - 2022)

Marmara Üniversitesi Eczacılık Fakültesi Enstrümental Analiz Laboratuvarının Kurulması (2017 - 2022)

Tüberküloz tedavisi alan çocuk hastalarda terapötik ilaç izlemi SAG A 130511 0128 (2018 - 2022)

Bazı yeni piridin halkası taşıyan moleküllerin sentezi, yapılarının aydınlatılması, biyolojik aktivitelerinin incelenmesi (2019 - 2020)

Monoamin Oksidaz (MAO) ve Kolin Esteraz (ChE) İnhibitörü Olabilecek Yeni Oksadiazol Türevlerinin Tasarımı, Sentezi ve Aktivitelerinin İncelenmesi (2019 - 2020)

BAZI YENİ 2 SÜBSTİTÜE 5 ARİLOKSİMETİL 1 3 4 OKSADİAZOL TÜREVLERİNİN SENTEZİ VE BİYOLOJİK AKTİVİTELERİNİN İNCELENMESİ (2015 - 2018)

Piridin halkası taşıyan bazı yeni üre ve karbohidrazid türevi bileşiklerin sentezi yapı aydınlatması ve biyolojik aktivitelerinin incelenmesi (2016 - 2018)

Poli ADP Riboz polimeraz inhibitörü yeni karbohidrazid ve üre türevlerinin sentezi ve aktivitelerinin incelenmesi (2016 - 2018)

Bazı yeni hidrazon türevi bileşiklerin antimikrobiyal aktivitelerinin yeni alternatif teknikler ile belirlenmesi (2016 - 2017)

Bazı Yeni Hidrazid Hidrazonlar ve Bunlardan Türetilen Sübstitüe 1 3 4 Oksadiazol Türevlerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi SAG C DRP 120613 0250 (2013 - 2016)

Bazı Yeni Hidrazid Hidrazonlar ve Bunlardan Türetilen Sübstitüe 1 3 4 Oksadiazol Türevlerinin Sentezi ve Analjezik Antiinflamatuvar Aktivitelerinin İncelenmesi SAG A 090512 0128 (2012 - 2016)

5 Kloropirazin 2 karbohidrazitten hareketle elde edilen bazı yeni hidrazonlar ve Pd II komplekslerinin sitotoksik aktivitesi SAG D 100615 0258 (2015 - 2015)

Bazı yeni hidrazid hidrazonlar ve bunlardan türetilen metal komplekslerinin sentezi ve biyolojik aktivitelerinin incelenmesi (2012 - 2015)

Administrative Duties:

Commission Member under Rectorate - Marmara University (2015 - 2023)

Faculty Board Member - Marmara University (2015 - 2021)

Phase Coordinator - Marmara University (2015 - 2020)

Vice Dean - Marmara University (2015 - 2020)

Deputy Institute Director - Marmara University (2012 - 2015)

Faculty Executive Board Member - Marmara University (2012 - 2015)

Deputy Institute Director - Marmara University (2008 - 2010)

Awards:

Novartis Farmasötik ve Medisinal Kimya İlaç Tasarım ve Geliştirme Araştırma (2010)

Marmara Üniversitesi Yayın Ödülü (2003)

Marmara Üniversitesi Yayın Ödülü (2002)

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	Farmasötik ve Medisinal Kimya 1			
2024	Spring	Eczacılığa Giriş			
2024	Fall	Farmasötik ve Medisinal Kimya 1			
2024	Fall	Eczacılığa Giriş			

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1. "Synthesis and Apoptotic Effects of DNMT Inhibition Targeted Novel Hybrid Molecules Bearing Thiadiazole and Clopidogrel for Cancer Treatment", Polycyclic Aromatic Compounds, 2025.
- A2. "Design, synthesis, molecular modeling, in vitro evaluation of novel piperidine-containing hydrazone derivatives as cholinesterase inhibitors", Drug Development Research, 2024.
- A3. "Synthesis, characterization, biological evaluation and in silico studies of novel 1,3,4-thiadiazole derivatives as aromatase inhibitors", Journal of Molecular Structure, 2024.
- A4. "Synthesis, Characterization, Molecular Docking Studies and Biological Evaluation of Some Novel 3,5-disubstituted-1-phenyl-4,5-dihydro-1H-pyrazole Derivatives", Current Organic Chemistry, 2024.
- A5. "Synthesis and molecular docking analysis of novel hydrazone and thiosemicarbazide derivatives incorporating a pyrimidine ring: exploring neuroprotective activity", Journal of Biomolecular Structure and Dynamics, 2024.
- A6. "Synthesis of Phthalimide Derivatives and Their Insecticidal Activity against Caribbean Fruit Fly, Anastrepha suspensa (Loew)", Biomolecules, 2023.
- A7. "Recent Advances in the Microwave and Ultrasound-assisted Synthesis of Pyrazole Scaffolds", Current Organic Chemistry, 2023.
- A8. "Synthesis, characterization and biological evaluation of some novel sulfonylurea derivatives", Journal of Research in Pharmacy, 2023.
- A9. "Design, synthesis, biological activity evaluation and in silico studies of new nicotinothiazide derivatives as multi-targeted inhibitors for Alzheimer's disease", Journal of Molecular Structure, 2022.
- A10. "N-Substituted Arylidene-3-(Methylsulfonyl)-2-Oxoimidazolidine-1-Carbohydrazone as Cholinesterase Inhibitors: Design, Synthesis, and Molecular Docking Study", Chemistry and Biodiversity, 2022.
- A11. "Induction of Divergent Cell Death Pathways by Urea and Carbohydrazone Derivatives", Anti-Cancer Agents in Medicinal Chemistry, 2022.
- A12. "Synthesis, Biological Evaluation and in Silico Studies of New Pyrazoline Derivatives Bearing Benzo[d]thiazol-2(3H)-one Moiety as Potential Urease Inhibitors", Chemistry and Biodiversity, 2022.
- A13. "Synthesis and anticancer activity of new carbohydrazone derivatives bearing furan moiety", Journal of Research in Pharmacy, 2022.
- A14. "Synthesis of some novel 1,3,4-oxadiazole derivatives and evaluation of their antimicrobial activity", Synthetic Communications, 2022.
- A15. "Synthesis of novel thiosemicarbazone derivatives as antidiabetic agent with enzyme kinetic studies and antioxidant activity", Phosphorus, Sulfur and Silicon and the Related Elements, 2022.
- A16. "Synthesis of novel pyrazoline derivatives and evaluation of their antimicrobial activity", Journal of Research in Pharmacy, 2022.
- A17. "Therapeutic Drug Monitoring in Pediatric Patients Treated with Anti-Tuberculosis Medications by High Performance Liquid Chromatography", Journal of Research in Pharmacy, 2022.
- A18. "Synthesis and Biological Evaluation of Some Hydrazone-Hydrazone Derivatives as Anticancer Agents", Acta Chimica Slovenica, 2022.
- A19. "Synthesis of new hydrazone derivatives and evaluation of their monoamine oxidase inhibitory activity", Bioorganic Chemistry, 2021.
- A20. "Novel 2,5-disubstituted-1,3,4-oxadiazole derivatives as MAO-B inhibitors: Synthesis, biological evaluation and molecular modeling studies", Bioorganic Chemistry, 2021.
- A21. "Design, synthesis and biological evaluation of some new 2-Pyrazoline derivatives as potential anticancer agents", Bioorganic Chemistry, 2020.

- A22. "Synthesis, anticancer evaluation and in silico ADMET studies on urea/thiourea derivatives from gabapentin", Phosphorus, Sulfur and Silicon and the Related Elements, 2020.
- A23. "Design, synthesis and biological screening of novel 1,5-diphenyl-3-(4-(trifluoromethyl)phenyl)-2-pyrazoline derivatives", Acta Chimica Slovenica, 2020.
- A24. "Synthesis and biological evaluation of new pyrazolone Schiff bases as monoamine oxidase and cholinesterase inhibitors", Bioorganic Chemistry, 2019.
- A25. "Synthesis and anticancer activity of new hydrazide-hydrazones and their Pd(II) complexes", Letters in Drug Design and Discovery, 2019.
- A26. "Design, synthesis, biological evaluation and molecular docking of novel molecules to PARP-1 enzyme", Turkish Journal of Chemistry, 2019.
- A27. "Design, synthesis and evaluation of the biological activities of some new carbohydrazide and urea derivatives Bazı yeni karbohidrazit ve üre türevlerinin tasarımı, sentezi ve biyolojik aktivitelerinin değerlendirilmesi", Turkish Journal of Pharmaceutical Sciences, 2018.
- A28. "Design and evaluation of biological activities of 1,3-oxazolidinone derivatives bearing amide, sulfonamide, and thiourea moieties", Archiv der Pharmazie, 2018.
- A29. "Synthesis, anticancer activity and ADMET studies of N-(5-methyl-1,3,4-thiadiazol-2-yl)-4-[(3-substituted)ureido/thioureido] benzenesulfonamide derivatives", Phosphorus, Sulfur and Silicon and the Related Elements, 2018.
- A30. "Synthesis and structure-activity relationships of carbohydrazides and 1,3,4-oxadiazole derivatives bearing an imidazolidine moiety against the yellow fever and dengue vector, Aedes aegypti", Pest Management Science, 2018.
- A31. "Synthesis and biological evaluation of some new hydrazone derivatives bearing pyrimidine ring as analgesic and anti-inflammatory agents", Acta Poloniae Pharmaceutica - Drug Research, 2018.
- A32. "Synthesis and anticonvulsant activity of some 2-pyrazolines derived from chalcones", Arabian Journal of Chemistry, 2017.
- A33. "Some N-(5-methyl-1,3,4-thiadiazol-2-yl)-4-[(3-substituted)ureido/thioureido]benzenesulfonamides as carbonic anhydrase I and II inhibitors Karbonik anhidraz I ve II inhibitörü olan bazı N-(5-metil-1,3,4-tiyadiazol-2-il)-4-[(3-süstitüe)üreido/tiyoüreido] benzensülfonamitler", Marmara Pharmaceutical Journal, 2017.
- A34. "Antiproliferative activity of some tautomeric hydrazones derived from chalcones Şalkonlardan hareketle elde edilen bazı tautomerik hidrazonların antiproliferatif aktiviteleri", Marmara Pharmaceutical Journal, 2016.
- A35. "New piperidine-hydrazone derivatives: Synthesis, biological evaluations and molecular docking studies as AChE and BChE inhibitors", European Journal of Medicinal Chemistry, 2016.
- A36. "Synthesis and larvicidal and adult topical activity of some hydrazidehydrazone derivatives against Aedes aegypti Bazı hidrazit-hidrazon türevlerinin sentezi ve larvasidal etkileri", Marmara Pharmaceutical Journal, 2014.
- A37. "Biting deterrence and insecticidal activity of hydrazide-hydrazones and their corresponding 3-acetyl-2,5-disubstituted-2,3-dihydro-1,3,4-oxadiazoles against Aedes aegypti", Pest Management Science, 2013.
- A38. "Synthesis and biological activity of substituted urea and thiourea derivatives containing 1,2,4-triazole moieties", Molecules, 2013.
- A39. "Synthesis and biological activity of hydrazide-hydrazones and their corresponding 3-Acetyl-2,5-disubstituted-2,3-dihydro-1,3,4-oxadiazoles", Medicinal Chemistry Research, 2012.
- A40. "Synthesis and evaluation of cytotoxic activities of some substituted isoxazolone derivatives Süstitüe izoksazonon türevlerinin sentezi ve sitotoksik aktivitelerinin değerlendirilmesi", Marmara Pharmaceutical Journal, 2011.
- A41. "Anticonvulsant activity of 3,5-dimethylpyrazole derivatives in animal models", Medicinal Chemistry Research, 2011.
- A42. "Antituberculosis activity of hydrazones derived from 4-fluorobenzoic acid hydrazide", Medicinal Chemistry Research, 2009.
- A43. "Synthesis and anticonvulsant activity of new N-(alkyl/Sub-stituted aryl)-N'-[4-(5-cyclohexylamino)-1,3,4-thiadiazole-2-ylphenyl]thioureas", Archiv der Pharmazie, 2009.
- A44. "Synthesis and antinociceptive-antimicrobial activities of some new amide derivatives of 3,5-di/-and 1,3,5-trimethylpyrazoles", Journal of Enzyme Inhibition and Medicinal Chemistry, 2008.
- A45. "HPLC analysis of in vivo metabolites of 4-nitrobenzoic acid [(5-nitro-2-thiophenyl)methylene]hydrazide in rats", European Journal of Drug Metabolism and Pharmacokinetics, 2007.
- A46. "High pressure liquid chromatographic analysis of in vivo metabolites of N-(substituted phenyl)-N'-(1,3,5-trimethyl pyrazole-4-yl)thioureas in rats", European Journal of Drug Metabolism and Pharmacokinetics, 2007.
- A47. "Synthesis of some novel azo derivatives of 3,5-dimethyl-1-(2-hydroxyethyl) pyrazole as potent analgesic agents", Archiv der Pharmazie, 2006.
- A48. "An high performance liquid chromatographic method for the quantification of cotinine in the urine of preschool children", Pharmazie, 2006.

B. Papers presented at international scientific meetings and published in proceedings:

- B1. "Investigation of Novel Sulfonamide-Pyrazoline Hybrid Molecules with Potential Antidiabetic Activity Based on Molecular Modelling Against α -Glucosidase, Aldose Reductase and Dipeptidyl Peptidase 4 (DPP-4)", 13. International Drug Chemistry

Conference, 2025.

B2. "Design and Synthesis of New Thioureas Bearing Sulfonamide Moiety as Multi-Targeted Agents for The Treatment of Alzheimer's Disease", 13. International Drug Chemistry Conference, 2025.

B3. "Synthesis, characterization and anti-biofilm activity studies on novel urea/thiourea derivatives", 12th International Symposium on Pharmaceutical Sciences-ISOPS 2018, 2018.

B4. "Discovery of novel urea and carbohydrazide derivatives as potent PARP-1 inhibitors", 54th International Conference on Medicinal Chemistry-RICT 2018, 2018.

B5. "Synthesis and biological evaluation of new schiffbases from antipyrine derivatives", 54th International Conference on Medicinal Chemistry-RICT 2018, 2018.

B6. "Design of potent PARP-1 inhibitors through molecular modeling techniques", 54th International Conference on Medicinal Chemistry-RICT 2018, 2018.

B7. "Design, synthesis and biological evaluation of nicotinate derivatives for cancer therapy", 12th International Symposium on Pharmaceutical Sciences-ISOPS 2018, 2018.

B8. "Synthesis of novel antipyrine derivatives as cholinesterase inhibitors", 12th International Symposium on Pharmaceutical Sciences-ISOPS 2018, 2018.

B9. "Synthesis of novel schiff base derivatives and evaluation of their monoamine oxidase inhibitory activity", 12th International Symposium on Pharmaceutical Sciences-ISOPS 2018, 2018.

B10. "CYTOTOXICITY OF SOME NEW CARBOHYDRAZIDE AND UREA DERIVATIVES BEARING PYRIDINE RING", 2th International Gazi Pharma Symposium Series, 2017.

B11. "Design of Potent Multi-target CAs inhibitors through Pharmacophore Modeling", 5th International BAU Drug Design Congress, 2017.

B12. "SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS OF CARBOHYDRAZIDES AND 1,3,4-OXADIAZOLE DERIVATIVES BEARING IMIDAZOLIDINE MOIETY AGAINST THE YELLOW FEVER AND DENGUE VECTOR, Aedes Aegypti", 2th International Gazi Pharma Symposium Series, 2017.

B13. "Pharmacophore Modeling For Design of Multi-Target CAs Inhibitors", UEMK Conferences, 2017.

B14. "Synthesis and Anti-inflammatory Activities of Some Pyrimidine Hydrazone Derivatives", 17. Österreichische Chemietage 2017, Joint Meeting of the Swiss and Austrian Chemical Societies, 2017.

B15. "Synthesis and Anti-inflammatory Activities of Some Hydrazone Derivatives of Methyl 4-Chloro-2-Methylthio-5-Pyrimidinecarboxylate", 3RD International Convention of Pharmaceuticals And Pharmacies, 2017.

B16. "Synthesis, characterization and antimicrobial activity evaluation of new some amide derivatives from isonipecotic acid", IVEK 3RD International Convention of Pharmaceuticals And Pharmacies, 2017.

B17. "Mosquito activity of a series of chalcones and 2 pyrazoline derivatives against Aedes aegypti", The 103rd Annual Meeting of the New Jersey Mosquito Control Association March 2 - 4, 2016, Golden Nugget – Atlantic City, NJ, 2016.

B18. "Synthesis and evaluation of some sulfonamide derivatives carrying thiourea moiety as potential inhibitors of human carbonic anhydrase isoenzymes hca I and hca II", International Multidisciplinary Symposium on Drug Research & Development, 2015.

B19. "Anticancer activity of some amide derivatives bearing hydrazone moiety", 6th BBBB Conference on Pharmaceutical Sciences Strategies to Improve the Quality and Performance of Modern Drug Delivery Systems, 2015.

D. Articles published in national peer-reviewed journals:

D1. "Design, Synthesis, in Silico ADMET Studies and Anticancer Activity of Some New Pyrazoline and Benzodioxole Derivatives", Acta Chimica Slovenica, 2022.

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

E1. "Kanserle tedavisinde yeni bir yaklaşım olan PARP-1 inhibitörlerinin tasarımı ve sentezi", 2. Ulusal Marmara Eczacılık Kongresi, 2018.

E2. "Tüberküloz tedavisi alan çocuk hastalarda yüksek basınçlı sıvı kromatografi yöntemi ile terapötik ilaç izlemi", 17. Kromatografi Kongresi (Kromatografi 2017), 2017.

E3. "Synthesis and characterization of some new hydrazone derivatives as potential anticancer agents", 2nd International Convention of Pharmaceuticals and Pharmacies, 2015.