CURRICULUM VITAE AND PUBLICATIONS LIST

CURRICULUM VITAE

Name and Surname: MEVLÜT AKDAĞ

Academic Title: Assistant Professor

Work Address:

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Foreign Languages Known (Score and Year): English, C1 Advanced, 2023
English, C1 Advanced, 2021

Area of Expertise: Pharmaceutical Chemistry

Degree	Department/Program	University	Year
Doctorate	FARMASÖTİK KİMYA (DR)	Gazi University	2022
Bachelor's Degree	ECZACILIK PR.	Gazi University	2018

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

Bazı 3(2H)-piridazinon halka sistemine sahip bileşiklerin sentezi ve aldoz redüktaz enzim inhibitörü etkilerinin araştırılması

Position Title	Workplace	Year
Assistant Professor	Afyonkarahisar Health Sciences University	2024-Continues

Roles in Projects:

1. *Piridazinon Türevi Bazı Bileşiklerin Sentezi, Aldoz Redüktaz ve Alfa Glikozidaz Enzimleri Üzerindeki In Vitro İnhibitör Etkilerinin ve Sitotoksisite Çalışmalarının Değerlendirilmesi*, Project Supported by Higher Education Institutions, Akdağ M. (Executive), 2024-Continues.

2. *Bazı 3(2H)-piridazinon Halka Sistemine Sahip Bileşiklerin Sentezi ve Aldoz Redüktaz İnhibitörü Etkilerinin Araştırılması*, Project Supported by Higher Education Institutions, Akdağ M., 2020-2022.

Administrative Duties:

1. Head of Main Science/Science Department - Afyonkarahisar Health Sciences University (2024 - Continues)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. Akdağ M., Demir Y., Taşkan Susam T., Kurban B., Beydemir Ş., Özçelik A. B., "Novel pyridazinone-based N-phenylacetamides as α-glucosidase-selective and dual α-glucosidase/aldose reductase inhibitors: Synthesis, SAR analysis, and cytotoxicity evaluation", *Bioorganic Chemistry*, 2026.

A2. Göger F., Tekin M., Özek G., Yur S., Akdağ M., Özek T., "Phytochemical Characterization and Evaluation of Antioxidant and Tyrosinase Inhibitory Activities of Verbascum wiedemannianum Essential Oil and Methanolic Extract", *MOLECULES*, 2026.

A3. Akdağ M., Güneş Çam M., Ergen D., Demir Y., Beydemir Ş., Özçelik A. B., "Synthesis of new Pyridazinone derivatives and their dual inhibitory activity on aldose reductase and α-glucosidase", *Bioorganic and Medicinal Chemistry Letters*, vol. 132, 2026.

A4. Kozan E., Ağören B., Erez M. S., Karaman F. F., Akdağ M., Yılmaz M. A., Çakır O., Tarhan A., Akkol E., "In vitro anthelmintic activity of Avena sativa seed extracts against sheep gastrointestinal nematodes: Phytochemical and in silico insights", *Veterinary Parasitology*, vol. 343, 2026.

A5. Karpuz B., Erez M. S., Kozan E., Dağyaran A., Akdağ M., Sobarzo-sánchez E., Akkol E., "The Anthelmintic Activity of Nepeta racemosa Lam. Against Gastrointestinal Nematodes of Sheep: Rosmarinic Acid Quantification and In Silico Tubulin-Binding Studies", *Pathogens*, 2025.

A6. Özdemir Z., Zenni Y. N., Karakurt A., Sarı S., Saraç Tarhan S., Akdağ M., Bozbey Merde İ., Kart D., Venanzoni R., Flores G. A. vd., "Potent Antimicrobial Azoles: Synthesis, In Vitro and In Silico Study", *Antibiotics*, vol. 13, 2024.

A7. Oh J. M., Zenni Y. N., Özdemir Z., Kumar S., Kılıç S., Akdağ M., Özçelik A. B., Kim H., Mathew B., "Inhibition of Monoamine Oxidases by Pyridazinobenzylpiperidine Derivatives", *MOLECULES*, 2024.

A8. Akdağ M., Özçelik A. B., Demir Y., Beydemir Ş., "Design, synthesis, and aldose reductase inhibitory effect of some novel carboxylic acid derivatives bearing 2-substituted-6-aryloxo-pyridazinone moiety", *Journal of Molecular Structure*, 2022.

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

B1. Akdağ M., Arslan G., Oruç Demirbağ H., Özçelik A. B., Synthesis And Anticancer Activity Of 5- Chloro-3-((6-Chloro-[1,2,4]Triazolo[4,3- B]Pyridazin-3-Yl)Methyl)Benzo[D]Thiazol- 2(3H)-One, In: *DRD 2023*, İzmir, Türkiye, 2023.

B2. Akdağ M., Özçelik A. B., Demir Y., Beydemir Ş., Synthesis, Aldose Reductase Effect, and Molecular Modelling of Novel Derivatives of Carboxylic Acids Bearing 2-Substituted-6-Aryloxo-Pyridazinone, In: *EFMC-YSMC Young Medicinal Chemists' Symposium*, France, 2022.

B3. Özçelik A. B., Akdağ M., Utku S., SYNTHESIS OF PLATINUM(II) COMPLEXES WITH 2-SUBSTITUTED BENZIMIDAZOLE LIGANDS, In: *13th ISOPS*, Ankara, Türkiye, 2022.

B4. Akdağ M., Özçelik A. B., Demir Y., Beydemir Ş., DESIGN, SYNTHESIS, AND ALDOSE REDUCTASE ACTIVITY OF SOME NOVEL ARYL CARBOXYLIC ACID DERIVATIVES BEARING 2-SUBSTITUTED-6-OXO-PYRIDAZINONE MOIETY, In: *EFMC-ISMC International Symposium on Medicinal Chemistry*, Switzerland, 2021.

B5. Arslan G., Akdağ M., Önkol T., Synthesis of 3-Substitued-5-Chloro-2-(3H)-Benzothiazolone Derivatives, In: *8 th International Drug Chemistry Conference*, Antalya, Türkiye, 2020.

B6. Akdağ M., Arslan G., Demir Y., Beydemir Ş., Özçelik A. B., Synthesis and Molecular Modelling of 2-[6-(4-(3-(3-metoxyphenyl)-prop-2- enoil)phenoxy)pyridazin-3(2H)-one-2-yl)] Acetic Acid, In: *9 th International Drug Chemistry Conference*, Antalya, Türkiye, 2019.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

C2.1. Akdağ M., "Antimikobakteriyel İlaçlar", *Farmasötik Kimya Akıl Notları*, Güneş Tıp Kitabevi, 2025.

D. Articles published in national peer-reviewed journals:

D1. Akdağ M., Sarper M., Utku S., Özçelik A. B., "SYNTHESIS AND ANTICANCER ACTIVITY OF SOME NEW PLATINUM (II) COMPLEXES BEARING SUBSTITUTED BENZIMIDAZOLE LIGANDS", *Kocatepe Tıp Dergisi*, 2026.

D2. Akdağ M., Özçelik A. B., "A POTENTIAL TARGET FOR DEVOLOPING BROAD SPECTRUM ANTICANCERS: HEXOKINASE-II GENİŞ SPEKTRUMLU ANTİKANSER BİLEŞİKLER GELİŞTİRMEYE YÖNELİK POTANSİYEL BİR HEDEF: HEKSOKİNAZ-II", *Ankara Universitesi Eczacilik Fakultesi Dergisi*, 2022.

D3. Akdağ M., Ergün M., Özçelik A. B., Uysal M., "Alzheimer Hastalığının Tedavisinde Kullanılan İlaçlar ve Yeni Yaklaşımlar", *Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, vol. 12, 2019.

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

E1. Akdağ M., Demir Y., Beydemir Ş., Özçelik A. B., Bazı 3(2H)-Piridazinon Halka Sistemine Sahip Bileşiklerin Sentezi ve Aldoz Redüktaz İnhibitörü Etkilerinin Araştırılması, In: *VII. Ulusal Farmasötik Kimya Kongresi*, İzmir, Türkiye, 2024.