

CURRICULUM VITAE

Name and Surname: HAZAL EKEN
Academic Title: Assistant Professor
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Foreign Languages Known (Score and Year): English, C1 Advanced, 2021
English, C1 Advanced, 2017
Area of Expertise: Health Sciences

Degree	Department/Program	University	Year
Doctorate	FARMAKOLOJİ (DR)	Anadolu University	2021
Bachelor's Degree	ECZACILIK PR.	Anadolu University	2017

Position Title	Workplace	Year
Assistant Professor	Afyonkarahisar Health Sciences University	2022-Continues
Research Assistant	İstinye University	2021-2022

Supervised Master's Theses:

1. Fisetinin akut analjezik etkisinin ve etki mekanizmasının araştırılması (2024)

Roles in Projects:

1. Vanilik Asit İçeren Kitosan Jel Formülasyonunun Yara İyi Edici Etkisinin Değerlendirilmesi, Project Supported by Higher Education Institutions, Eken H. (Executive), 2024-Continues.
2. Yeni metilsülfonil grubu içeren bileşiklerin COX enzimleri üzerindeki etkilerinin in vivo değerlendirmesi, Project Supported by Higher Education Institutions, Eken H. (Executive), 2022-2023.

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1. Eken H., Osmaniye D., Kurban B., Yıldız C., Arslan R., "Novel thiadiazole derivatives: synthesis, in silico, in vitro and in vivo evaluation of analgesic and anti-inflammatory activities", *Bioorganic Chemistry*, vol. 172, 2026.
- A2. Eken H., Akgöl J., Kurban B., Osmaniye D., "In vivo evaluation of the antinociceptive effects of novel methylsulfonyl group-containing compounds", *Zeitschrift für Naturforschung - Section C Journal of Biosciences*, vol. 80, pp. 563-571, 2025.
- A3. Selcen Arslan T., Eken H., Alyu Altınok F., Bektaş Türkmen N., Arslan R., "Anxiolytic-like effects of orientin in mice: behavioral and neurochemical investigations", *Cukurova Medical Journal*, vol. 50, 2025.
- A4. Çetiner Ö. P., Eken H., Alyu Altınok F., Arslan R., Bektaş Türkmen N., "Ferulic acid possesses anxiolytic activity: evidence for the involvement of serotonergic and noradrenergic systems", *Neuroscience Letters*, 2025.
- A5. Karakuş A. A., Dallali I., Arslan R., Eken H., Hasan A., Bektaş Türkmen N., "Examination of the antiallodynic effect of rosmarinic acid in neuropathic pain and possible mechanisms of action", *Neuroscience Letters*, vol. 842, no. 2024, pp. 1-7, 2024.

- A6.** Eken H., Bektaş Türkmen N., Şenel B., Arslan R., "Examination of the effects of vitexin and vitexin-loaded solid lipid nanoparticles on neuropathic pain and possible mechanisms of action", *NEUROPHARMACOLOGY*, vol. 1, no. 253, pp. 1-11, 2024.
- A7.** Karabacak E., Eken H., Dallali I., Arslan R., "Use of kersetin and fisetin flavonoids in combination with pregabalin and gabapentin in the treatment of neuropathic pain", *JOURNAL OF PHARMACY AND PHARMACOLOGY*, vol. 2024, no. 76, pp. 824-833, 2024.
- A8.** Eken H., Bektaş Türkmen N., Arslan R., "A review on hydrogen sulfide: Is it pro-nociceptive or anti-nociceptive?", *İstanbul Journal of Pharmacy*, vol. 52, 2022.
- A9.** Bektaş Türkmen N., Nemutlu Samur D., Çam M., Okçay Y., Eken H., Arslan R., "The nicotinic modulation of pain", *Pakistan Journal of Pharmaceutical Sciences*, vol. 33, 2020.
- A10.** Bektaş Türkmen N., Alyu F., Eken H., Arslan R., "The antihyperalgesic effects of gabapentinoids, carbamazepine and its keto analogue, oxcarbazepine, in capsaicin-induced thermal hyperalgesia", *World Journal of Pharmaceutical Sciences*, 2019.

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

- B1.** Eken H., Akgöl J., Kurban B., Osmaniye D., Yeni Metilsülfonil Grubu İçeren Bileşiklerin Cox Enzimleri Üzerindeki Etkilerinin İn Vivo Değerlendirmesi, In: *16th International Medicine and Health Sciences Researches Congress (UTSAK 2024)*, Ankara, Türkiye, 2024, pp. 56-57.
- B2.** Bektaş Türkmen N., Alyu Altınok F., Eken H., Arslan R., Contribution of Cb2 Receptors to the Effects of Carbamazepine in Capsaicin-Induced Pain Model, In: *16th International Medicine and Health Sciences Researches Congress*, Türkiye, 2024.
- B3.** Eken H., Akgöl J., Kurban B., Osmaniye D., In Vivo Evaluation of The Effects of Novel Methylsulfonyl Group-Containing Compounds On COX Enzymes, In: *16th International Medicine and Health Sciences Researches Congress*, Türkiye, 2024.
- B4.** Özcan Ö., Eken H., Öztürk A. A., Bektaş Türkmen N., Arslan R., COMPARISON OF THE EFFECTS OF QUERCETIN AND QUERCETIN-LOADED CYCLODEXTRIN FORMULATIONS ON ACUTE PAIN, In: *The 9th International Mediterranean Symposium on Medicinal and Aromatic Plants*, Türkiye, 2023.
- B5.** Kasap M., Eken H., Dallali I., Bektaş Türkmen N., Arslan R., THE CONTRIBUTION OF ADRENERGIC RECEPTORS IN THE ANALGESIC EFFECT OF RUTİN, In: *The 8th International Mediterranean Symposium on Medicinal and Aromatic Plants*, Türkiye, 2023.
- B6.** Eken H., Şenel B., Bektaş Türkmen N., Arslan R., Studies on development of lipid nanoparticle formulation containing vitexin and pDNA, In: *International Biotechnology Congress (Bio-Türkiye)*, İstanbul, Türkiye, 2021.
- B7.** Jafarova Z., Eken H., Bektaş Türkmen N., Arslan R., The Contrubition of Adrenergic and Serotonergic Receptors In The Analgecis Effects of Quercetin, In: *13th International Symposium on Pharmaceutical Sciences (ISOPS-13)*, Ankara, Türkiye, 2021.
- B8.** Eken H., Arslan R., Bektaş Türkmen N., Biotechnological Drugs on Treatment of Neurodegenerative Diseases., In: *ULUSLAR ARASI İVEK-BİO*, İstanbul, Türkiye, 2018.

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

C2. Chapters in national/international books written:

- C2.1.** Eken H., "Farmakoloji Anabilim Dalı", *Eczacılık Terminolojisi*, Akademisyen Yayınevi, 2024.
- C2.2.** Eken H., "Pharmacological Approaches In Celiac Disease", *All Aspects Of Celiac Disease And Its Managements*, Holistence Publications, 2024.

D. Articles published in national peer-reviewed journals:

- D1.** Keçeci Z., Yıldız C., Eken H., "NEW APPROACHES IN HUMAN PAPILOMAVIRUS (HPV) TREATMENT: ACTIVE HEXOSE-RELATED COMPOUND (AHCC) İNSAN PAPILOMA VİRÜSÜ (HPV) TEDAVİSİNDE YENİ YAKLAŞIMLAR: AKTİF HEKSOZ İLİŞKİLİ BİLEŞİK (AHCC)", *Ankara Üniversitesi Eczacılık Fakültesi Dergisi*, 2024.
- D2.** Kaşık M., Eken H., Arslan R., Bektaş Türkmen N., "Ferulik Asitin Periferik Analjezik Etkisi ve Olası Mekanizmaları", *Mersin Üniversitesi Tıp Fakültesi Lokman Hekim Tıp Tarihi ve Folklorik Tıp Dergisi*, 2019.

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

- E1.** Eken H., Arslan R., Bektaş Türkmen N., Hidrojen Sülfür'ün Ağrıdaki Rolü., In: *2. Ulusal Marmara Eczacılık Kongresi*, İstanbul, Türkiye, 2018.