

## **Lect. PhD ÜMMÜHAN KANDEMİR**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: IRZ-0195-2023

ScopusID: 57195604305

Yoksis Researcher ID: 342018

### **Education Information**

Postgraduate, Anadolu University, Lisansüstü Eğitim Enstitüsü, Klinik Eczacılık, Turkey 2023 - Continues

Doctorate, Anadolu University, Sağlık Bilimleri Enstitüsü, Farmakoloji Anabilim Dalı (Ens.), Turkey 2017 - 2023

Associate Degree, Anadolu University, Açıköğretim Fakültesi, Turkey 2014 - 2016

Undergraduate, Karadeniz Technical University, Eczacılık Fakültesi, Turkey 2011 - 2016

### **Certificates, Courses and Trainings**

Health&Medicine, Afet ve Acil Durumlarda Eczacılık Hizmetleri, Afet ve Acil Durum Eczacılığı, 2024

Health&Medicine, Fundamental Neuroscience for Neuroimaging, Johns Hopkins University, 2023

Health&Medicine, KBRN FARKINDALIK EĞİTİMİ, Ege Üniversitesi, 2023

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Eskişehir Osmangazi Üniversitesi, 2018

### **Dissertations**

Doctorate, Investigation of the antidepressant effects of some newly synthesized phenylpropionic acid derivatives in rats with chronic mild stress model, Anadolu University, Sağlık Bilimleri Enstitüsü, Farmakoloji Anabilim Dalı (Ens.), 2023

### **Research Areas**

Health Sciences

### **Academic Titles / Tasks**

Lecturer, Bilecik Seyh Edebali University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2023 - Continues

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Design and synthesis of novel dithiazole carboxylic acid Derivatives: In vivo and in silico investigation of their Anti-Inflammatory and analgesic effects.**  
Yücel N. T., Asfour A. A. R., Evren A. E., Yazıcı C., Kandemir Ü., Özkay Ü. D., Can Ö. D., Yurttaş L.  
Bioorganic chemistry, vol.144, pp.107120, 2024 (SCI-Expanded)
- II. **Catecholaminergic and Cholinergic Systems Mediate Beneficial Effect of Vortioxetine on Diabetes-Induced Neuropathic Pain**  
TURAN YÜCEL N., KANDEMİR Ü., Üçel U. İ., DEMİR ÖZKAY Ü., CAN Ö. D.  
Biomedicines, vol.11, no.4, 2023 (SCI-Expanded)
- III. **SYNTHESIS AND ANTIDEPRESSANT-LIKE ACTIVITIES OF SOME PIPERIDINE DERIVATIVES: INVOLVEMENTS OF MONOAMINERGIC AND OPIOIDERGIC SYSTEMS**  
KAYA ÜLKEN C., Yucel N. T., KANDEMİR Ü., OSMANİYE D., CAN Ö. D., DEMİR ÖZKAY Ü.  
Acta Poloniae Pharmaceutica - Drug Research, vol.79, no.4, pp.509-522, 2022 (SCI-Expanded)
- IV. **Antidepressant-like effect of tofisopam in mice: A behavioural, molecular docking and MD simulation study**  
TURAN YÜCEL N., EVREN A. E., Kandemir Ü., CAN Ö. D.  
Journal of Psychopharmacology, vol.36, no.7, pp.819-835, 2022 (SCI-Expanded)
- V. **5-HT1A serotonergic,  $\alpha$ -adrenergic and opioidergic receptors mediate the analgesic efficacy of vortioxetine in mice**  
Yücel N. T., KANDEMİR Ü., Özkay Ü. D., CAN Ö. D.  
Molecules, vol.26, no.11, 2021 (SCI-Expanded)
- VI. **Synthesis and antinociceptive effect of some thiazole-piperazine derivatives: Involvement of opioidergic system in the activity**  
Yücel N. T., OSMANİYE D., Kandemir Ü., EVREN A. E., CAN Ö. D., Özkay Ü. D.  
Molecules, vol.26, no.11, 2021 (SCI-Expanded)
- VII. **Synthesis, characterization, and in vivo pharmacological evaluation of novel mannich bases derived from 1,2,4-triazole containing a naproxen moiety**  
AVCI A., Taşci H., KANDEMİR Ü., CAN Ö. D., Gökhan-Kelekçi N., Tozkoparan B.  
Bioorganic Chemistry, vol.100, 2020 (SCI-Expanded)
- VIII. **Bioassay guided isolation of active compounds from Alchemilla barbatiflora Juz.**  
RENDİ G., ÖZEL A., BARUT B., KORKMAZ B., Şoral M., KANDEMİR Ü., Liptaj T.  
Records of Natural Products, vol.12, no.1, pp.76-85, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Beneficial Effect of Atomoxetine Treatment on Scopolamine-Induced Cognitive Impairments and Molecular Changes in Rats**  
TURAN YÜCEL N., ÜÇEL U. İ., KANDEMİR Ü., CAN Ö. D.  
PSYCHIATRY AND BEHAVIORAL SCIENCES, vol.13, no.4, pp.188-202, 2023 (ESCI)
- II. **Etiopathogenesis of depression and experimental depression models used in preclinical studies**  
Kandemir Ü.  
European Journal of Life Sciences, vol.2, no.2, pp.78-90, 2023 (Peer-Reviewed Journal)
- III. **BENEFICIAL EFFECTS OF REBOXETINE ON IMPAIRED BEHAVIORAL PARAMETERS OF DIABETIC RATS**  
TURAN YÜCEL N., KANDEMİR Ü., ÜÇEL U. İ., CAN Ö. D., DEMİR ÖZKAY Ü.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.1, pp.20-38, 2023 (Scopus)

## Books & Book Chapters

- I. **Vektör Kaynaklı Hastalıklarda Tek Sağlık Yaklaşımı**  
KANDEMİR Ü.

## Refereed Congress / Symposium Publications in Proceedings

- I. **LINALOOL REDUCES THERMAL STIMULUS-INDUCED ABNORMALITIES IN THE PAIN SENSATION OF RATS WITH DIABETES**  
YAZICI C., KANDEMİR Ü., DEMİR ÖZKAY Ü., CAN Ö. D.  
INTERNATIONAL GEVHER NESİBE HEALTH SCIENCES CONFERENCE-XI, Ankara, Turkey, 10 - 11 October 2023, pp.37
- II. **Effects of Subacute Ivermectin Administration on the Emotional Behavior of Rats**  
ESER M., KANDEMİR Ü., ERGUN B., CAN Ö. D.  
International Multidisciplinary Symposium on Drug Research and Development - DRD 2023, İzmir, Turkey, 3 - 06 May 2023
- III. **Antidepressant-like Effects of Some Piperazine Derivatives**  
ÇELİK O., KANDEMİR Ü., OSMANİYE D., TURAN YÜCEL N., CAN Ö. D.  
International Multidisciplinary Symposium on Drug Research and Development - DRD 2023, İzmir, Turkey, 4 - 06 May 2023
- IV. **The effects of atomoxetine on emotional cognition parameters and on hippocampal brain-derived neurotrophic factor (BDNF) levels in the amnesic rats**  
KANDEMİR Ü., ÜÇEL U. İ., Emir G., CAN Ö. D.  
12th International Congress on Psychopharmacology & 8th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 17 - 20 November 2021
- V. **Evaluating the effect of tangeretin on scopolamine-induced cognitive deficits**  
KANDEMİR Ü., TURAN YÜCEL N., Topkara B. B., DEMİR ÖZKAY Ü., CAN Ö. D.  
12th International Congress on Psychopharmacology & 8th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 17 November 2021
- VI. **Serotonergic system-mediated anxiolytic-like effects of myricetin**  
Topkara B. B., TURAN YÜCEL N., KANDEMİR Ü., CAN Ö. D., DEMİR ÖZKAY Ü.  
12th International Congress on Psychopharmacology & 8th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 17 November 2021
- VII. **Antidepressant-like effect of hypericum olympicum herba extract**  
KANDEMİR Ü., TURAN YÜCEL N., KÖSE Y. B., DEMİR ÖZKAY Ü., CAN Ö. D.  
International Congress on Biological and Health Sciences, Afyon, Turkey, 26 - 28 March 2021
- VIII. **Investigating the antidepressant-like activity of tofisopam and the underlying pharmacological mechanisms**  
TURAN YÜCEL N., Keyik T. E., KANDEMİR Ü., CAN Ö. D.  
International Congress on Biological and Health Sciences, Afyon, Turkey, 26 - 28 March 2021
- IX. **Pharmacological effects of gallic acid: a review of current literature**  
Başkaya A., YAZICI C., KANDEMİR Ü., DEMİR ÖZKAY Ü., CAN Ö. D.  
International Congress on Biological and Health Sciences, Afyon, Turkey, 26 - 28 March 2021
- X. **Atomoxetine treatment repairs scopolamine-induced alterations in nerve growth factor and neurotrophin-3 levels in hippocampal subfields**  
ÜÇEL U. İ., TURAN YÜCEL N., KANDEMİR Ü., CAN Ö. D.  
5th International Hippocrates Congress on Medical and Health Sciences, Turkey, 18 - 19 December 2020
- XI. **Antidepressant-like activities of some 1,2,4-triazole derivative compounds**  
KANDEMİR Ü., TURAN YÜCEL N., GÖKHAN KELEKÇİ N., TOZKOPARAN KÖPRÜCÜ B., CAN Ö. D.  
5th International Medicine and Health Sciences Researches Congress, Ankara, Turkey, 12 - 13 December 2020
- XII. **The effects of reboxetine on diabetes-induced cognitive impairments**  
DEMİR ÖZKAY Ü., TURAN YÜCEL N., KANDEMİR Ü., CAN Ö. D.  
2nd International African Conference on Current Studies, Abuja, Nigeria, 17 - 18 October 2020

- XIII. **Opioid receptor subtypes mediating the supraspinal antinociceptive effect of tofisopam**  
TURAN YÜCEL N., KANDEMİR Ü., CAN Ö. D.  
2nd International African Conference on Current Studies, Abuja, Nigeria, 17 - 18 October 2020
- XIV. **Vitexin: A flavonoid with a wide spectrum of pharmacological activity**  
Molla İsa İ., KANDEMİR Ü., TURAN YÜCEL N., CAN Ö. D.  
2nd International African Conference on Current Studies, Abuja, Nigeria, 17 October 2020
- XV. **Antidepressant-like activity of some thiazole-piperazine derivatives**  
TURAN YÜCEL N., OSMANİYE D., KANDEMİR Ü., DEMİR ÖZKAY Ü.  
2nd International African Conference on Current Studies, Abuja, Nigeria, 17 October 2020
- XVI. **Antinociceptive activity of tofisopam, an atypical anxiolytic drug, in mice**  
CAN Ö. D., ÜÇEL U. İ., TURAN YÜCEL N., KANDEMİR Ü.  
11th International Congress on Psychopharmacology & 7th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 18 April 2019
- XVII. **Antinociceptive activity evaluation of some compounds bearing benzimidazole/benzothiazole rings**  
TURAN YÜCEL N., KANDEMİR Ü., DEMİR ÖZKAY Ü., CAN Ö. D.  
3rd International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2016
- XVIII. **Our natural weapons against toxoplasma gondii: a recent review.**  
KANDEMİR Ü., ESER M., CAN Ö. D.  
3rd International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 April 2019
- XIX. **The effect of tianeptine therapy on allodynia developing in rats with experimental diabetic neuropathy**  
TURAN YÜCEL N., KANDEMİR Ü., CAN Ö. D., DEMİR ÖZKAY Ü.  
3rd International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 April 2019
- XX. **Centrally mediated antinociceptive activities of some piperazine derivative compounds.**  
ÜÇEL U. İ., KANDEMİR Ü., DEMİR ÖZKAY Ü., CAN Ö. D.  
12th International Symposium on Pharmaceutical Sciences, Turkey, 26 June 2018

## Supported Projects

Eser M., Ergun B., Can Ö. D., Turan Yücel N., Kandemir Ü., Project Supported by Higher Education Institutions, Subakut ivermektin uygulamasının sıçanların emosyonel davranışları, bilişsel performansları ve hipokampal morfolojileri üzerine etkilerinin araştırılması, 2021 - 2024

Turan Yücel N., Kandemir Ü., Demir Özkay Ü., Can Ö. D., Project Supported by Higher Education Institutions, Vortiooksetin tedavisinin sıçanların depresyon, anksiyete ve ağrı parametrelerinde diyabet ile indüklenen değişiklikler üzerine etkilerinin araştırılması, 2021 - 2023

Turan Yücel N., Can Ö. D., Demir Özkay Ü., Kandemir Ü., Project Supported by Higher Education Institutions, Reboksetin'in anti-amnezik etkinliğinin altında yatan moleküler mekanizmaların araştırılması, 2021 - 2022

Can Ö. D., Demir Özkay Ü., Köse Y. B., Turan Yücel N., Saltan N., Kandemir Ü., Project Supported by Higher Education Institutions, Hypericum olympicum herba Ekstresinin Antinosiseptif ve Antidepresan-benzeri Etkilerinin Araştırılması, 2021 - 2022

Demir Özkay Ü., Özkay Y., Can Ö. D., Can N. Ö., Turan Yücel N., Kandemir Ü., Project Supported by Higher Education Institutions, Bazı tiyadiazol türevlerinin antinosiseptif ve anksiyolitik-benzeri etkilerinin araştırılması, 2020 - 2022

Demir Özkay Ü., Can Ö. D., Turan Yücel N., Kandemir Ü., Project Supported by Higher Education Institutions, Bazı piperidin türevi bileşiklerin antidepresan-benzeri etkilerine opioidlerjik sistemin olası katılımının araştırılması, 2021 - 2021

Can Ö. D., Turan Yücel N., Demir Özkay Ü., Kandemir Ü., Project Supported by Higher Education Institutions, Mirisetinin anksiyolitik-benzeri etkinliği ve bu etkinliğin altında yatan mekanizmaların araştırılması, 2020 - 2021

Demir Özkay Ü., Özkay Y., Can Ö. D., Turan Yücel N., Can N. Ö., Kandemir Ü., Project Supported by Higher Education Institutions, Bazı Piperidin Türevlerinin Antinosiseptif ve Anksiyolitik Benzeri Etkilerinin Araştırılması, 2019 - 2021  
Demir Özkay Ü., Can Ö. D., Turan Yücel N., Can N. Ö., Kandemir Ü., Project Supported by Higher Education Institutions, Reboksetin'in diyabet ile indüklenen bilişsel, davranışsal ve morfolojik değişiklikler üzerine etkileri, 2019 - 2021  
Turan Yücel N., Can Ö. D., Demir Özkay Ü., Kandemir Ü., Project Supported by Higher Education Institutions, Bazı Tiyazol-Piperazin Türevlerinin Olası Anksiyolitik-Benzeri Ve Antidepresan Benzeri Etkilerinin Araştırılması, 2019 - 2020  
Can Ö. D., Can N. Ö., Özkay Y., Demir Özkay Ü., Kandemir Ü., Project Supported by Higher Education Institutions, Bazı piperidin türevlerinin anksiyolitik ve antidepresan benzeri etkilerinin araştırılması, 2018 - 2019

## **Metrics**

Publication: 32  
Citation (Scopus): 46  
H-Index (Scopus): 5

## **Scholarships**

2211 A - Yurt İçi Doktora Burs Programı, TÜBİTAK, 2019 - 2023  
YÖK 100/2000 Doktora Bursu, YOK, 2017 - 2021

## **Non Academic Experience**

Company, Alliance Healthcare Ecza Deposu A.Ş. Trabzon Ş.B., Mesul Müdür