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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), Turkey 2014 - 2019

Undergraduate, Yeditepe University, Eczacılık Fakültesi, Eczacılık Pr. (İngilizce) (Tam Burslu), Turkey 2008 - 2013

Dissertations

Doctorate, Investigating the antihyperalgesic effects of levetiracetam and its involved mechanisms at supraspinal level in a model of neuropathic pain, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), 2019

Research Areas

Pharmacology

Academic and Administrative Experience

Anadolu University, 2021 - Continues

Courses

Farmakoloji IV, Undergraduate, 2021 - 2022

Mezuniyet Projesi I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Mezuniyet Projesi II, Undergraduate, 2021 - 2022, 2020 - 2021

Klinik Eczacılık, Undergraduate, 2021 - 2022

Kanıt Dayalı Eczacılık ve Araştırma IX, Undergraduate, 2021 - 2022

Farmakoloji Uygulama, Undergraduate, 2020 - 2021

Tıbbi Belgeleme, Associate Degree, 2017 - 2018

TEMEL SAĞLIK HİZMETLERİ, Associate Degree, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimized primary dorsal root ganglion cell culture protocol for reliable K plus current patch-clamp recordings**
ALYU ALTINOK F., Dallali I., Boubekka A., Hasan A., Ozturk Y.
NEUROSCIENCE LETTERS, vol.844, 2025 (SCI-Expanded)
- II. **Design, Synthesis, and *In Vivo* Evaluation of a New Series of Indole-Chalcone Hybrids as Analgesic and Anti-Inflammatory Agents**
Baramaki I., ALTINTOP M. D., ARSLAN R., ALYU ALTINOK F., ÖZDEMİR A., Dallali I., Hasan A., BEKTAŞ TÜRKMEN N.
ACS OMEGA, vol.9, no.10, pp.12175-12183, 2024 (SCI-Expanded)
- III. **Interrelated In Vitro Mechanisms of Sibutramine-Induced Cardiotoxicity**
ALYU ALTINOK F., OLĞAR Y., DEĞİRMENCİ S., TURAN B., ÖZTÜRK Y.
CARDIOVASCULAR TOXICOLOGY, vol.21, no.4, pp.322-335, 2021 (SCI-Expanded)
- IV. **The anxiolytic effect of perampanel and possible mechanisms mediating its anxiolytic effect in mice**
BEKTAŞ TÜRKMEN N., ARSLAN R., ALYU ALTINOK F.
LIFE SCIENCES, vol.261, 2020 (SCI-Expanded)
- V. **Inflammatory aspects of epileptogenesis: contribution of molecular inflammatory mechanisms**
ALYU ALTINOK F., DİKMEN M.
ACTA NEUROPSYCHIATRICA, vol.29, no.1, pp.1-16, 2017 (SCI-Expanded)
- VI. **Antinociceptive Activities of Some 4,5-Dihydro-1*H*-Pyrazole Derivatives: Involvement of Central and Peripheral Pathways**
CAN Ö. D., ALYU ALTINOK F., Turan N., ÖZDEMİR A.
LETTERS IN DRUG DESIGN & DISCOVERY, no.5, pp.411-417, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Concentration-dependent Investigation of the Toxic Effects of the Anorectic Agent Sibutramine on the Electrical Activity of the Cardiomyocytes in Metabolic Syndrome Rat Heart**
OLĞAR Y., ALYU F., ÖZTÜRK Y., TURAN B.
Ankara Üniversitesi Tıp Fakültesi Mecmuası, vol.74, 2021 (Peer-Reviewed Journal)
- II. **FIP VIRTUAL 2020 Pharmaceutical Practice: Academic Pharmacy**
Ahmadi S., ALYU ALTINOK F.
PHARMACY EDUCATION, vol.20, no.3, pp.1-143, 2020 (ESCI)
- III. **The antihyperalgesic effects of gabapentinoids, carbamazepine and its keto analogue, oxcarbazepine, in capsaicin-induced thermal hyperalgesia**
BEKTAŞ TÜRKMEN N., ALYU TEKEŞ F., EKEN H., ARSLAN R.
World Journal of pharmaceutical sciences, 2019 (Peer-Reviewed Journal)
- IV. **Antiinflammatory effect of levetiracetam in the HET-CAM assay**
ALYU TEKEŞ F., KIYAN H. T., ÖZTÜRK Y.
Anatomy, vol.11, no.Suppl 1, pp.80, 2017 (Peer-Reviewed Journal)
- V. **1,3,5-triaril-4,5-dihidro-1h-pirazol türevi bazı bileşiklerin benzodiazepin reseptörleri aracılıklı anksiyolitik-benzeri etkileri**
CAN Ö. D., TURAN N., ALYU TEKEŞ F.
CUKUROVA MEDICAL JOURNAL, vol.41, no.2, pp.304, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **CHARACTERIZATION OF THE PAIN RELATED ELECTROPHYSIOLOGICAL EFFECTS OF RUTIN TREATMENT ON PRIMARY CULTURE CELLS**
BOUBEKKA A., ALYU ALTINOK F., HASAN A., DALLALI I., ÖZTÜRK N., ÖZTÜRK Y.
5th International Health Science and Life Congress, 10 March 2022

- II. **Inhibitory Effect of Levetiracetam on Potassium Conductance in Diabetic Neuropathy**
AHMAZADA T., ALYU ALTINOK F., HASAN A., DALLALI I., BOUBEKKA A., ÖZTÜRK Y.
9th International Medicine and Health Sciences Researches Congress, 18 March 2022
- III. **A New Series of Chalcones Endowed with In Vivo Analgesic Activity**
ALTINTOP M. D., BARAMAKI I., ALYU F., BEKTAŞ TÜRKMEN N., ARSLAN R.
10. International Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022
- IV. **Rosmarinik asit ile dorsal kök gangliyon nöronlarında aksiyon potansiyeli parametre değişimleri,**
ALYU ALTINOK F., HASAN A., BOUBEKKA A., DALLALI I., ÖZTÜRK N., ÖZTÜRK Y.
Ulusal Sinirbilim Kongresi, 21 November 2021
- V. **CHLOROGENIC ACID ALTERS POTASSIUM CONDUCTANCE INDORSAL ROOT GANGLION NEURONS**
ALYU ALTINOK F., BOUBEKKA A., ÖZTÜRK Y.
Gazi Pharma Symposium Series (GPSS-2021), 08 September 2021
- VI. **INTEGRATING NANOPARTICLE COATED MICROPARTICLES IN THE FIELD OF ELECTROPHYSIOLOGY**
ALYU ALTINOK F.
13th International Symposium on Pharmaceutical Sciences, 22 June 2021
- VII. **OPTOGENETICS COMBINED WITH THE PATCH CLAMP TECHNIQUE**
ALYU ALTINOK F.
13th International Symposium on Pharmaceutical Sciences, 22 - 25 June 2021
- VIII. **CONTRIBUTION OF CANNABINOID SYSTEM TO THE ANTIHYPERALGESIC EFFECTS OF ANTIEPILEPTIC DRUGS**
BEKTAŞ TÜRKMEN N., ALYU ALTINOK F., OKÇAY Y., ARSLAN R.
13th International Symposium on Pharmaceutical Sciences, 22 June 2021
- IX. **ANTIHYPERALGESIC EFFECTS OF LEVETIRACETAM INJECTED INTRA-VPL ON CHRONIC CONSTRICTION INJURY MODEL**
ALYU ALTINOK F., ÖZTÜRK Y.
13th International Symposium on Pharmaceutical Sciences, 22 June 2021
- X. **ALTERATION OF ACTION POTENTIAL PARAMETERS BY GALLIC ACID TREATMENT ON PRIMARY NEURONAL CELL CULTURE**
HASAN A., ALYU ALTINOK F., BOUBEKKA A., DALLALI I., ÖZTÜRK N., ÖZTÜRK Y.
5th International Health Science and Life Congress, 10 March 2021
- XI. **A case-based approach to teach pharmacogenetics as part of pharmacology course in undergraduate curriculum.**
Ahmadi S., ALYU F.
FIP Virtual 2020, 4 - 25 September 2020
- XII. **Designing a work-integrated problem-based workshop: Collaboration of academia and industry.**
Ahmadi S., ALYU F.
FIP Virtual 2020, 4 - 20 September 2020
- XIII. **Retrieving pharmacological knowledge through a modified version of mind palace technique.**
Ahmadi S., ALYU F.
FIP Virtual 2020, 4 - 20 September 2020
- XIV. **In-vitro Activity of Gabapentin on Probiotic Microorganisms**
Çimik A., ÖZTÜRK Y., ALYU F.
30. Ulusal Kimya Kongresi, Turkey, 17 - 19 September 2020
- XV. **Identification of a novel metabolite originating from JWH-015 using LCMS-IT-TOF**
CAN Ö. D., DEMİR ÖZKAY Ü., LEVENT S., TURAN YÜCEL N., ALYU F., ÖZTÜRK Y.
22nd International Mass Spectrometry Conference 2018 (22 IMSC), Italy, 26 August 2018
- XVI. **Natural Acetylcholinesterase Inhibitors Used in Alzheimer's Disease Treatment.**
DEMİRKILIÇ O., ALYU ALTINOK F., KIYAN H. T.
The 18th World Congress of Basic and Clinical Pharmacology, 01 July 2018
- XVII. **In vitro Activity of Fusidic Acid on Probiotic Microorganisms**
Çimik A., ÖZTÜRK Y., ALYU F.

4th International Congress on Applied Biological Sciences (ICABS), 3 - 05 May 2018

- XVIII. Intracellular ROS Level Alteration by Sibutramine: A Confocal Fluorescence Assesment**
ALYU F., OLĞAR Y., TURAN B., ÖZTÜRK Y.
10th International congress on Psychopharmacology 6th International Symposium on child and Adolescent Psychopharmacology, 25 - 29 April 2018
- XIX. In vitro Activity of Levetiracetam on Probiotic Microorganisms**
Çimik A., ALYU F., ÖZTÜRK Y.
10th International congress on Psychopharmacology 6th International Symposium on child and Adolescent Psychopharmacology, 25 - 29 April 2018
- XX. TRPV-1 channels contributes to antihyperalgesic effects of carbamazepine and Oxcarbazepine.**
BEKTAŞ TÜRKMEN N., ALYU F., ARSLAN R.
11th International Congress on 7th International Symposium on Child and Adolescent Psychopharmacology., 18 - 21 April 2018
- XXI. Cardiovascular Safety Evaluation of Sibutramine in a Metabolic Syndrome Model via Patch Clamp Technique**
ALYU ALTINOK F., OLĞAR Y., TURAN B., ÖZTÜRK Y.
2nd International Gazi Pharma Symposium, 11 October 2017
- XXII. THE INVOLVEMENT OF TRPV-1 CHANNELS IN ANTIHYPERALGESIC EFFECTS OF GABAPENTINOIDS**
BEKTAŞ TÜRKMEN N., ALYU TEKEŞ F., ARSLAN R.
2nd International Gazi Pharma Symposium, 11 - 13 October 2017
- XXIII. Neuroanatomical Basis of Neurotensinergic Pathways in Pain: Contribution of Periaqueductal Gray Matter**
ALYU F., ÖZTÜRK Y.
WFNS XVI. World Congress of neurosurgery, İstanbul, Turkey, 20 - 25 August 2017, vol.27, pp.624
- XXIV. Sibutramin'in kardiyomiyositlerdeki potasyum akımlarına etkisi**
ALYU F., OLĞAR Y., TURAN B., ÖZTÜRK Y.
Anadolu Üniversitesi Eczacılık Sempozyumu, Eskişehir, Turkey, 1 - 02 June 2017
- XXV. Identification of a Novel Metabolite Originating from AM-630, a Potent and Selective Inverse Agonist for the Cannabinoid Receptor CB2**
CAN N. Ö., ÖZKAY Y., LEVENT S., TURAN N., ALYU F., ÖZTÜRK Y.
9th International Congress on Psychopharmacology 5th International Symposium on Child and Adolescent Psychopharmacology, 21 March 2017
- XXVI. Antiinflammatory Effect Of Levetiracetam In The Het-cam Assay**
ALYU F., KIYAN H. T., ÖZTÜRK Y.
15. Ulusal Sinirbilim Kongresi, 7 - 10 May 2017, vol.7, pp.1-86
- XXVII. Ağrı Kontrolünde Periakvaduktal Gri Cevherdeki Opioiderjik Sistemin Rolü: Elektrofizyolojik Analizler**
Altay U., ALYU F., ÖZTÜRK Y.
Ivek 3rd International Convention Of Pharmaceuticals And Pharmacies, 26 - 29 April 2017
- XXVIII. Dopaminergic receptor subtypes mediated antidepressant like activity of quercetin**
ALYU F., DEMİR ÖZKAY Ü., CAN Ö. D., ÖZTÜRK Y.
7th European Congress of Pharmacology, 26 - 30 June 2016
- XXIX. Anxiolytic-like Effects Of Some 4,5-dihydro-1h-pyrazole Derivatives**
CAN Ö. D., ALYU TEKEŞ F., TURAN N.
International Multidisciplinary Symposium On Drug Research And Development 2015, 15 - 17 October 2015
- XXX. Antidepressan-benzeri Etkinlik Açısından Kersetin: Rol Oynayan Monominerjik Reseptör Tipleri**
ALYU TEKEŞ F., DEMİR ÖZKAY Ü., CAN Ö. D., ÖZTÜRK Y.
Türk Farmakoloji Derneği 23. Ulusal Farmakoloji Kongresi, Turkey, 7 - 10 September 2015
- XXXI. Evidence for the Involvement of alpha-1-adrenoceptors in the antidepressant-like effects of quercetin**
CAN Ö. D., DEMİR ÖZKAY Ü., ÖZTÜRK Y., ALYU F.

13. Ulusal Sinirbilim Kongresi, Turkey, 30 April - 05 May 2015
- XXXII. **Kerasetin in antidepresan benzeri etkisine alfa 1 adrenoreseptörlerin katılıma dair kanıt**
ALYU F., CAN Ö. D., DEMİR ÖZKAY Ü., ÖZTÜRK Y.
13. Ulusal Sinirbilim Kongresi, Turkey, 30 April - 03 May 2015
- XXXIII. **Antidepressant like effects of quercetin in mice evidence for the involvement of monoaminergic mechanisms**
ALYU F., DEMİR ÖZKAY Ü., ÖZTÜRK Y.
7th International Congress on Psychopharmacology & 3rd International Symposium on Child and Adolescent Psychopharmacology, 15 - 19 April 2015
- XXXIV. **The effect of mianserin treatment on Morris Water Maze performance of streptozotocin induced diabetic rats**
ALYU F., UMUT İRFAN Ü., CAN Ö. D., DEMİR ÖZKAY Ü.
Cognitive Neuroscience Society Annual Meeting, 28 - 31 March 2015
- XXXV. **The effect of mianserin treatment on Morris water maze performance of streptozotocin induced diabetic rats**
ALYU F., ÜÇEL U. İ., CAN Ö. D., DEMİR ÖZKAY Ü.
CNS2015 Innovations in Mind and Brain Science, 28 - 31 March 2015
- XXXVI. **Antidepressant like Activity of Some Aroyl Propionic Acid Hydrazone Derivatives**
ALYU F., TALİHA HARİKA A., CAN Ö. D., ÖZTÜRK Y., TURAN G.
4th International Meeting on Pharmacy Pharmaceutical Sciences, 18 - 21 September 2014
- XXXVII. **Anxiolytic Activities of Some Pyrazole Derivatives**
TURAN YÜCEL N., ALYU ALTINOK F., ÜÇEL U. İ., Aydın T. H., DEMİR ÖZKAY Ü., ÖZTÜRK Y.
4th International Meeting on Pharmacy & Pharmaceutical Sciences (IMMPS-4), İstanbul, Turkey, 18 - 21 September 2014
- XXXVIII. **Centrally and peripherally mediated antinociceptive activities of some 1 3 5 triaryl 4 5 dihydro 1H pyrazole derivatives**
TURAN N., ALYU F., ÜÇEL U. İ., AYDIN T. H., DEMİR ÖZKAY Ü., ÖZTÜRK Y.
4th International Meeting on Pharmacy & Pharmaceutical Sciences, 18 - 21 September 2014

Supported Projects

- ALYU ALTINOK F., Project Supported by Higher Education Institutions, Duyusal Sinir Hücrelerinde Alkolik Nöropati Etkisiyle Oluşan Elektrofizyolojik Değişimler, 2021 - Continues
- ÖZTÜRK Y., ALYU ALTINOK F., Project Supported by Higher Education Institutions, Sibutramin'in Kardiyomiyositler Üzerindeki Etki Mekanizmasının Elektrofizyolojik ve Konfokal Ölçümler Aracılığıyla İncelenmesi, 2017 - Continues
- ALYU ALTINOK F., Project Supported by Higher Education Institutions, Nöropatik ağrı modelinde levitirasetam'ın antihiperalezik etkilerinin ve bu etkilere katılan mekanizmaların supraspinal düzeyde incelenmesi, 2017 - 2021
- ÖZTÜRK Y., ARSLAN R., BEKTAŞ TÜRKMEN N., Perampanelin Farelerdeki Anksiyolitik Etkisi ve Etkinliğe Aracılık Eden Olası Mekanizmalar, 2017 - 2019
- ÖZCAN S., ACAR ÇEVİK U., TURAN YÜCEL N., ALYU ALTINOK F., Project Supported by Higher Education Institutions, Yeni Tiyazol Türevlerinin Sentezleri ve Monoamin oksidaz Enzimi İnhibitör Etkinliklerinin Araştırılması, 2015 - 2019
- ALYU ALTINOK F., Project Supported by Higher Education Institutions, Orientinin Analjezik Etki Mekanizmasının İncelenmesi, 2017 - 2018
- BEKTAŞ TÜRKMEN N., ALYU ALTINOK F., Antiepileptik ilaçların antihiperalezik etkilerine kannabinoiderjik sistemin katılımı, 2017 - 2018
- ALYU ALTINOK F., Project Supported by Higher Education Institutions, Orientinin Anksiyolitik Etkisinin Değerlendirilmesi, 2016 - 2018
- ALYU ALTINOK F., BEKTAŞ TÜRKMEN N., Project Supported by Higher Education Institutions, TRP kanallarının antiepileptik ilaçların in vivo antihiperalezik etkisine katkısı, 2016 - 2017
- ÖZTÜRK Y., ALYU ALTINOK F., CAN Ö. D., DEMİR ÖZKAY Ü., Project Supported by Higher Education Institutions,

Mianserin ve agomelatinin deneysel diyabet oluřturulmuř sıçanlarda deęiřen kognitif parametreler ve hippocampal morfoloji üzerine etkinlięinin arařtırılması, 2015 - 2017

CAN N. Ö., ÖZCAN S., ÖZKAY Y., ÖZTÜRK Y., LEVENT S., ACAR ÇEVİK U., CAN Ö. D., TURAN YÜCEL N., DEMİR ÖZKAY Ü., ALYU ALTINOK F., Project Supported by Higher Education Institutions, Narkotik Etkili AM 630, CP 47 497 ve JWH 015 Maddelerinin Çeřitli Farmakolojik Etkilerinin Arařtırılması, 2015 - 2017