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Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), Turkey 2005 - 2009

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 1999 - 2003

Academic Titles / Tasks

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2005 - 2012

Courses

Doctorate

Sinir Sistemine Giriş, Doctorate, 2012 - 2013

Postgraduate

Seminer, Postgraduate, 2013 - 2014, 2012 - 2013

Tez, Postgraduate, 2013 - 2014

Nörohumoral İletişim, Postgraduate, 2013 - 2014, 2012 - 2013

Nörodejenereatif Hastalıklar, Postgraduate, 2013 - 2014

Uzmanlık Alan Dersi , Postgraduate, 2013 - 2014

Undergraduate

Farmakoloji IV , Undergraduate, 2013 - 2014

Farmakoloji III, Undergraduate, 2013 - 2014, 2012 - 2013

Mezuniyet Projesi I, Undergraduate, 2013 - 2014, 2012 - 2013

Nörofarmakoloji, Undergraduate, 2013 - 2014

Mezuniyet Projesi II , Undergraduate, 2013 - 2014

İyatrojenik Hasalıklar, Undergraduate, 2013 - 2014

Farmakoloji Uygulama, Undergraduate, 2013 - 2014

Klinik Eczacılık, Undergraduate, 2012 - 2013

Farmakoloji, Undergraduate, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Design and synthesis of novel dithiazole carboxylic acid Derivatives:<i> In</i><i> vivo</i> and<i> in</i><i> silico</i> investigation of their Anti-Inflammatory and analgesic effects**
TURAN YÜCEL N., Asfour A. A. R., EVREN A. E., YAZICI C., KANDEMİR Ü., Özkay Ü., CAN Ö. D., YURTTAŞ L.

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- II. **Catecholaminergic and Cholinergic Systems Mediate Beneficial Effect of Vortioxetine on Diabetes-Induced Neuropathic Pain**
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- III. **SYNTHESIS AND ANTIDEPRESSANT-LIKE ACTIVITIES OF SOME PIPERIDINE DERIVATIVES: INVOLVEMENTS OF MONOAMINERGIC AND OPIOIDERGIC SYSTEMS**
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- IV. **5-HT1A Serotonergic, alpha-Adrenergic and Opioidergic Receptors Mediate the Analgesic Efficacy of Vortioxetine in Mice**
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TURAN YÜCEL N., OSMANİYE D., Kandemir U., Evren A. E., CAN Ö. D., DEMİR ÖZKAY Ü.
MOLECULES, no.11, 2021 (SCI-Expanded)
- VI. **Synthesis and monoamine oxidase A/B inhibitory evaluation of new benzothiazole-thiazolyldiazine derivatives**
TURAN G., OSMANİYE D., SAĞLIK B. N., ACAR ÇEVİK U., LEVENT S., KAYA ÇAVUŞOĞLU B., DEMİR ÖZKAY Ü., ÖZKAY Y., KAPLANCIKLI Z. A.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.195, no.6, pp.491-497, 2020 (SCI-Expanded)
- VII. **Synthesis of new benzothiazole derivatives bearing thiadiazole as monoamine oxidase inhibitors**
ACAR ÇEVİK U., OSMANİYE D., SAĞLIK B. N., LEVENT S., KAYA ÇAVUŞOĞLU B., KARADUMAN A. B., DEMİR ÖZKAY Ü., ÖZKAY Y., KAPLANCIKLI Z. A., TURAN G.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.5, pp.2225-2233, 2020 (SCI-Expanded)
- VIII. **Catecholaminergic and opioidergic system mediated effects of reboxetine on diabetic neuropathic pain**
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PSYCHOPHARMACOLOGY, vol.237, no.4, pp.1131-1145, 2020 (SCI-Expanded)
- IX. **Antiamnesic effects of tofisopam against scopolamine-induced cognitive impairments in rats**
Ucel U. I., CAN Ö. D., DEMİR ÖZKAY Ü., ULUPINAR E.
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- X. **Investigating the Antidepressant-like Effects of some Benzimidazolepiperidine Derivatives by *In-Vivo* Experimental Methods**
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- XII. **Antihyperalgesic Activity of Atomoxetine on Diabetes-Induced Neuropathic Pain: Contribution of Noradrenergic and Dopaminergic Systems**
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- XIII. **The Effect of Agomelatine Treatment on Diabetes-Induced Cognitive Impairments in Rats: Concomitant Alterations in the Hippocampal Neuron Numbers**
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- XIV. **Synthesis of Some Novel Thiadiazole Derivative Compounds and Screening Their Antidepressant-**

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- XVI. **Antidepressant-like effect of gallic acid in mice: Dual involvement of serotonergic and catecholaminergic systems**
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LIFE SCIENCES, pp.110-117, 2017 (SCI-Expanded)
- XVII. **A benzothiazole/piperazine derivative with acetylcholinesterase inhibitory activity: Improvement in streptozotocin-induced cognitive deficits in rats**
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- XVIII. **Synthesis and Antidepressant Activity Profile of Some Novel Benzothiazole Derivatives**
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- XIX. **Pharmacological and Toxicological Screening of Novel Benzimidazole-Morpholine Derivatives as Dual-Acting Inhibitors**
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- XX. **MAO enzymes inhibitory activity of new benzimidazole derivatives including hydrazone and propargyl side chains**
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- XXI. **Synthesis and antinociceptive activities of some novel benzimidazole-piperidine derivatives**
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- XXII. **Anticholinesterase activity screening of some novel dithiocarbamate derivatives including piperidine and piperazine moieties**
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- XXIII. **Effect of subacute agomelatine treatment on painful diabetic neuropathy: involvement of catecholaminergic mechanisms**
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Atli O., Demir-Ozkay Ü., Ilgin S., Aydin T. H., Akbulut E. N., ŞENER E.
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- XXVI. **Synthesis and Evaluation of New 1,3,4-Thiadiazole Derivatives as Antinociceptive Agents**
ALTINTOP M. D., CAN Ö. D., DEMİR ÖZKAY Ü., KAPLANCIKLI Z. A.
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- XXVII. **Synthesis and anti-nociceptive, anti-inflammatory activities of new aroyl propionic acid derivatives including N-acylhydrazone motif**

- Turan-Zitouni G., YURTTAŞ L., KAPLANCIKLI Z. A., CAN Ö. D., DEMİR ÖZKAY Ü.
Medicinal Chemistry Research, vol.24, no.6, pp.2406-2416, 2015 (SCI-Expanded)
- XXVIII. **Effects of long-term agomelatine treatment on the cognitive performance and hippocampal plasticity of adult rats**
Özkay Ü., Söztutar E., CAN Ö. D., Üçel U. I., ÖZTÜRK Y., ULUPINAR E.
BEHAVIOURAL PHARMACOLOGY, no.5, pp.469-480, 2015 (SCI-Expanded)
- XXIX. **Antihyperalgesic and antiallodynic effects of mianserin on diabetic neuropathic pain: A study on mechanism of action**
Üçel U. I., CAN Ö. D., DEMİR ÖZKAY Ü., ÖZTÜRK Y.
European Journal of Pharmacology, vol.756, pp.92-106, 2015 (SCI-Expanded)
- XXX. **Synthesis and Evaluation of New 1,5-Diaryl-3-[4-(methyl-sulfonyl)phenyl]-4,5-dihydro-1*H*-pyrazole Derivatives as Potential Antidepressant Agents**
ÖZDEMİR A., SEVER B., KAPLANCIKLI Z. A., CAN Ö. D., Ozkay Ü., Turan-Zitouni G.
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- XXXI. **Synthesis and Biological Evaluation of Some Novel Dithiocarbamate Derivatives**
SAĞLIK B. N., ÖZKAY Y., DEMİR ÖZKAY Ü., Gencer H.
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- XXXII. **Anti-nociceptive effect of vitexin mediated by the opioid system in mice**
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- XXXIII. **Synthesis of new 1-phenyl-2-(4-substituted-piperazin-1-yl)-propanol derivatives and evaluation of their antidepressant-like effects**
DEMİR ÖZKAY Ü., YURTTAŞ L., ÖZKAY Y., Ucel U. I., CAN Ö. D., ÖZTÜRK Y.
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- XXXIV. **Anti-depressant-like effect of vitexin in BALB/c mice and evidence for the involvement of monoaminergic mechanisms**
CAN Ö. D., DEMİR ÖZKAY Ü., Ucel U. I.
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- XXXV. **Effects of Hypericum montbretti Extract on the Central Nervous System and Involvement of GABA (A)/Benzodiazepine Receptors in its Pharmacological Activity**
CAN Ö. D., DEMİR ÖZKAY Ü.
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- XXXVII. **Antinociceptive activities of some triazole and pyrazoline moieties-bearing compounds**
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- XXXVIII. **Effect of benzothiazole/piperazine derivatives on intracerebroventricular streptozotocin-induced cognitive deficits**
Demir Özkay Ü., Can Ö. D., Özkay Y., Öztürk Y.
PHARMACOLOGICAL REPORTS, no.4, pp.834-847, 2012 (SCI-Expanded)
- XXXIX. **Synthesis of thiadiazole derivatives bearing hydrazone moieties and evaluation of their pharmacological effects on anxiety, depression, and nociception parameters in mice**
CAN Ö. D., ALTINTOP M. D., DEMİR ÖZKAY Ü., Ucel U. I., Dogruer B., KAPLANCIKLI Z. A.
ARCHIVES OF PHARMACAL RESEARCH, vol.35, no.4, pp.659-669, 2012 (SCI-Expanded)
- XL. **Psychopharmacological profile of Chamomile (*Matricaria recutita* L.) essential oil in mice**
CAN Ö. D., DEMİR ÖZKAY Ü., KIYAN H. T., DEMİRCİ B.
PHYTOMEDICINE, vol.19, no.3-4, pp.306-310, 2012 (SCI-Expanded)
- XLI. **Effects of Insulin and St. John's Wort Treatments on Anxiety, Locomotory Activity, Depression, and**

Active Learning Parameters of Streptozotocin-Diabetic Rats

CAN Ö. D., ÖZTÜRK Y., DEMİR ÖZKAY Ü.

PLANTA MEDICA, vol.77, no.18, pp.1970-1976, 2011 (SCI-Expanded)

- XLII. **Synthesis and analgesic effects of 2-(2-carboxyphenylsulfanyl)-N-(4-substitutedphenyl)acetamide derivatives**
DEMİR ÖZKAY Ü., ÖZKAY Y., CAN Ö. D.
MEDICINAL CHEMISTRY RESEARCH, vol.20, no.2, pp.152-157, 2011 (SCI-Expanded)
- XLIII. **Effects of hawthorn seed and pulp extracts on the central nervous system**
Can Ö. D., Demir Özkay Ü., Ozturk N., Öztürk Y.
PHARMACEUTICAL BIOLOGY, no.8, pp.924-931, 2010 (SCI-Expanded)
- XLIV. **Effects of Some 1,3,5-Trisubstitued-2-pyrazoline Derivatives on Depression and Anxiety Parameters of Mice**
Can Ö. D., Demir Özkay Ü., Kaplancıklı Z. A., Öztürk Y.
ARCHIVES OF PHARMACAL RESEARCH, no.9, pp.1293-1299, 2009 (SCI-Expanded)
- XLV. **A Natural Antidepressant: <i>Hypericum Perforatum</i> L.: Review**
Devrim Ö. D., ÖZTÜRK Y., DEMİR ÖZKAY Ü.
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, no.3, pp.708-715, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of Prenatal and Lactational Vortioxetine Exposure on Emotional States, Motor Activities and Cognitive Performances of Offspring.**
ERGUN B., YAZICI C., KANDEMİR Ü., ESER M., DEMİR ÖZKAY Ü., CAN Ö. D.
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- II. **Effect of Reboxetine Treatment on BDNF, Synaptophysin, and PSD-95 Levels in the Spinal Dorsal Horn of Rats with Diabetic Neuropathy**
TURAN YÜCEL N., Ucel U. I., DEMİR ÖZKAY Ü., ULUPINAR E., Can O. D.
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- III. **BENEFICIAL EFFECTS OF REBOXETINE ON IMPAIRED BEHAVIORAL PARAMETERS OF DIABETIC RATS REBOKSETİN'İN DİYABETİK SIÇANLARDA BOZULMUŞ DAVRANIŞ PARAMETRELERİ ÜZERİNDEKİ YARARLI ETKİLERİ**
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- IV. **TOFİSOPAM'IN OPİOİDERJİK SİSTEM ARACILIKLI ANTİNOSİSEPTİF ETKİNLİĞİ**
TURAN YÜCEL N., ÜÇEL U. İ., YAZICI C., DEMİR ÖZKAY Ü., CAN Ö. D.
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DEMİR ÖZKAY Ü., Üçel U. İ., TURAN N., CAN Ö. D.
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- VII. **The antinociceptive effects of some piperazine alkanol derivatives**
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CAN Ö. D., Üçel U. İ., DEMİR ÖZKAY Ü., DİKMEN M.
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Papers Published in Refereed Scientific Meetings

- I. **Serotonergic and catecholaminergic mechanisms mediated antidepressant-like effects of some thiadiazole derivatives**
TÜRKOĞLU SAĞLIK G., OSMANİYE D., KANDEMİR Ü., DEMİR ÖZKAY Ü.
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- II. **LINALOOL REDUCES THERMAL STIMULUS-INDUCED ABNORMALITIES IN THE PAIN SENSATION OF RATS WITH DIABETES**
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- III. **ANTI-INFLAMMATORY EFFECT OF SYRINGIC ACID: IN VIVO AND INSILICO RESULTS**
Yön Ş., Türkoğlu G., Kenar F., Demir Özkay Ü.
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- V. **Anxiolytic-like effects of some piperidine derivative compounds containing benzimidazole ring in their structure**
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- VI. **A new indication possibility for an old antidepressant reboxetine**
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- VII. **Catecholaminergic and opioidergic systems mediate the acute antinociceptive effect of tofisopam in mice**
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- VIII. **Serotonergic system-mediated anxiolytic-like effects of myricetin**
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- IX. **Evaluating the effect of tangeretin on scopolamine-induced cognitive deficits**
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- X. **Effect of reboxetine treatment on the neuroanatomical and immunohistochemical changes in diabetes at spinal level**
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- XI. **Pharmacological Effects of Gallic Acid: A Review of Current Literature**
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- XII. **Antidepressant-like effect of Hypericum olympicum herba extract**
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- XIII. **The effects of reboxetine on diabetes-induced cognitive impairments**
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- XIV. **Opioid receptor subtypes mediating the supraspinal antinociceptive effect of tofisopam**
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- XVI. **Antinociceptive effects of vortioxetine via 5HT1A serotonergic and α -adrenergic receptors**
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- XVIII. **Antinociceptive Activity Evaluation Of Some Compounds Bearing Benzimidazole/Benzothiazole Rings**
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- XIX. **The Effect of Tianeptine Therapy on Allodynia Developing in Rats With Experimental Diabetic Neuropathy**
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- XX. **Antidepressant-like Effect of Chlorogenic Acid: Some Approaches for the Mode of Action**
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