

## Prof. Dr. FÜRÜZAN YILDIZ AKAR

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 155942

### Eğitim Bilgileri

Doktora, Kocaeli Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Türkiye 1999 - 2002

Yüksek Lisans, Kocaeli Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Türkiye 1995 - 1998

Lisans, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Pr., Türkiye 1990 - 1994

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Tıpta Uzmanlık, Farelerde selektif PDE-2 inhibitörü BAY60-7550, PDE-5 inhibitörü Sildenafil ve PDE-9 inhibitörü PF-04447943'ün kognitif fonksiyonlar üzerine etkisi, Kocaeli Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri, 2016

Yüksek Lisans, Kronik ve akut olarak sigara dumanına maruz bırakılan farelerde lokomotor aktivite ve anksiyete düzeylerinin incelenmesi, Kocaeli Üniversitesi, Spor Bilimleri Fakültesi, Beden Eğitimi ve Spor Eğitimi Bölümü, 2015

Doktora, Deneysel olarak diabet oluşturulmuş sıçanlarda özofagus düz kası ve alt özofagus sfinkteri preparatlarında çeşitli agonistlerin etkilerinin araştırılması, Kocaeli Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri, 2012

Yüksek Lisans, Anksiyete ve Depresyonda Nitrik Oksid'in Rolü, Kocaeli Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri, 1998

### Araştırma Alanları

Tıp, Sağlık Bilimleri, Dahili Tıp Bilimleri, Farmakoloji ve Klinik Farmakoloji, Tıbbi Farmakoloji ve Toksikoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Kocaeli Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri, 2017 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Effects of melatonin on ovarian reserve in cigarette smoking: an experimental study**  
Kole E., Ozkan S. O., Eraldemir C., YILDIZ AKAR F., KURNAZ ÖZBEK S., ÇAKIR KÖLE M., Kum T., Filiz P. C.  
ARCHIVES OF MEDICAL SCIENCE, cilt.16, sa.6, ss.1376-1386, 2020 (SCI-Expanded)
- II. **Effects of Asenapine and Paliperidone on Depression, Anxiety and Analgesy in Mice: Alterations in Brain Neurotrophic Factors, Neurogenesis, and Blood Enzyme Levels**  
Gümüşlü K. E., Mutlu O., Köktürk S., Ulak G., Eraldemir F. C., Tatar O. C., Yaşar A. B., Tanyeri P., Akar F., Erden B. F.  
CHINESE JOURNAL OF PHYSIOLOGY, cilt.61, sa.5, ss.280-292, 2018 (SCI-Expanded)
- III. **Effects of long-term treatment with haloperidol, clozapine and aripiprazole on mice isolated vas deferens**  
Tanyeri M. H., Buyukokuroglu M. E., Tanyeri P., Mutlu O., Akar F., Ulak G., Erden B. F.  
INTERNATIONAL UROLOGY AND NEPHROLOGY, cilt.49, ss.1561-1567, 2017 (SCI-Expanded)
- IV. **Effects of Acute Administration of Adipokinetic Hormone on Depression, Anxiety, Pain, Locomotion and Memory in Mice**  
MUTLU O., ULAK G., Akar F., Erden F., Celikyurt I. K., Bektas E., Tanyeri P., Kaya H.  
CHINESE JOURNAL OF PHYSIOLOGY, cilt.60, sa.2, ss.106-113, 2017 (SCI-Expanded)
- V. **Exenatide enhances cognitive performance and upregulates neurotrophic factor gene expression levels in diabetic mice**  
Gumuslu E., Mutlu O., Celikyurt I. K., Ulak G., Akar F., Erden F., Ertan M.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, cilt.30, ss.376-384, 2016 (SCI-Expanded)
- VI. **Tianeptine, olanzapine and fluoxetine show similar restoring effects on stress induced molecular changes in mice brain: An FT-IR study**  
Turker-Kaya S., Mutlu O., Celikyurt I. K., Akar F., Ulak G.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, cilt.161, ss.178-185, 2016 (SCI-Expanded)
- VII. **Effects of chronic administration of adipokinetic and hypertrehalosemic hormone on animal behavior, BDNF, and CREB expression in the hippocampus and neurogenesis in mice**  
MUTLU O., Gumuslu E., Kokturk S., ULAK G., Akar F., Erden F., KAYA H., Tanyeri P.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, cilt.30, sa.1, ss.4-13, 2016 (SCI-Expanded)
- VIII. **Effects of a dragonfly (Anax i.) homeopathic remedy on learning, memory and cell morphology in mice**  
Mutlu O., Ulak G., Kokturk S., Celikyurt I. K., Tanyeri P., Akar F., Erden F.  
HOMEOPATHY, cilt.105, ss.96-101, 2016 (SCI-Expanded)
- IX. **Effects of ziprasidone, SCH23390 and SB277011 on spatial memory in the Morris water maze test in naive and MK-801 treated mice**  
Tanyeri,Tanyeri P., Buyukokuroglu M. E., Mutlu O., Ulak G., Akar F., Celikyurt I. K., Erden B. F.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, cilt.138, ss.142-147, 2015 (SCI-Expanded)
- X. **Effects of homeopathic Anax imperator on behavioural and pain models in mice**  
MUTLU O., ULAK G., Kokturk S., Celikyurt I. K., Akar F., Erden F.  
HOMEOPATHY, cilt.104, sa.1, ss.15-23, 2015 (SCI-Expanded)
- XI. **EFFECTS OF ASENAPINE AND PALIPERIDON ON MK-801-INDUCED MEMORY DETERIORATION IN PASSIVE AVOIDANCE AND ELEVATED PLUS MAZE TESTS IN MICE**  
ULAK G., MUTLU O., AKAR F., Celikyurt K., ERDEN F.  
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, cilt.115, ss.188, 2014 (SCI-Expanded)
- XII. **Sildenafil enhances locomotor activity in young mice and exerts anxiogenic effects in both young and aged mice.**  
DEMİRÇİ D., MUTLU O., Akar F., Komsuoglu Celikyurt I., ULAK G.  
Medical science monitor basic research, cilt.20, ss.15-21, 2014 (SCI-Expanded)
- XIII. **Evidence that the anxiolytic-like effects of the beta3 receptor agonist Amibegron involve serotonergic receptor activity**  
Tanyeri P., Buyukokuroglu M. E., Mutlu O., Ulak G., Akar F., Celikyurt I. K., Erden B. F.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, cilt.110, ss.27-32, 2013 (SCI-Expanded)
- XIV. **The effects of tianeptine, olanzapine and fluoxetine on the cognitive behaviors of unpredictable**

**chronic mild stress-exposed mice**

Gumuslu E., MUTLU O., Sunnetci D., ULAK G., Celikyurt I., ÇİNE N., Akar F.

Drug Research, cilt.63, sa.10, ss.532-539, 2013 (SCI-Expanded)

- XV. **5-HT1 and 5-HT2 receptors are involved in the anxiolytic-like effects of the neuronal NOS inhibitor TRIM in the rat**  
Tanyeri P., MUTLU O., ULAK G., Akar F., Celikyurt I. K., ERDEN B. F.  
Drug Development Research, cilt.74, sa.4, ss.242-251, 2013 (SCI-Expanded)
- XVI. **Antidepressant-Like Activity of Agomelatine in the Mouse Unpredictable Chronic Mild Stress Model**  
Mutlu O., Gumuslu E., Ulak G., Celikyurt I. K., Akar F., Bektas E., Demirtaş Şahin T., Kir H., Musul M. M., Erden F.  
DRUG DEVELOPMENT RESEARCH, cilt.74, ss.203-215, 2013 (SCI-Expanded)
- XVII. **Involvement of serotonin receptor subtypes in the antidepressant-like effect of beta receptor agonist Amibegron (SR 58611A): An experimental study**  
Tanyeri P., Buyukokuroglu M. E., Mutlu O., Ulak G., Akar F., Celikyurt I. K., Erden B. F.  
Pharmacology Biochemistry and Behavior, cilt.105, ss.12-16, 2013 (SCI-Expanded)
- XVIII. **Lamotrigine, a mood stabilizer, may have beneficial effects on memory acquisition and retrieval in mice**  
Celikyurt I. K., ULAK G., MUTLU O., Akar F., Erden F., Komsuoglu S. S.  
LIFE SCIENCES, cilt.91, ss.1270-1274, 2012 (SCI-Expanded)
- XIX. **Effects of fluoxetine, tianeptine and olanzapine on unpredictable chronic mild stress-induced depression-like behavior in mice**  
MUTLU O., GUMUSLU E., ULAK G., CELIKYURT I. K., Kokturk S., KIR H., AKAR F., Erden F.  
Life Sciences, cilt.91, ss.1252-1262, 2012 (SCI-Expanded)
- XX. **Lamotrigine effects sensorimotor gating in WAG/Rij rats**  
Celikyurt I. K., ULAK G., MUTLU O., Akar F., Erden F., Komsuoglu S. S.  
Journal of Neurosciences in Rural Practice, cilt.3, sa.2, ss.126-130, 2012 (SCI-Expanded)
- XXI. **Positive impact of levetiracetam on emotional learning and memory in naive mice**  
CELIKYURT I. K., ULAK G., MUTLU O., AKAR F., MÜLAYİM S., ERDEN F., KOMSUOĞLU S. S.  
LIFE SCIENCES, cilt.90, ss.185-189, 2012 (SCI-Expanded)
- XXII. **Effects of Olanzapine and Clozapine on Radial Maze Performance in Naive and MK-801-Treated Mice**  
MUTLU O., Celikyurt I. K., ULAK G., TANYERİ P., Akar F., Erden F.  
ARZNEIMITTELFORSCHUNG-DRUG RESEARCH, cilt.62, sa.1, ss.4-8, 2012 (SCI-Expanded)
- XXIII. **Effects of olanzapine, sertindole and clozapine on MK-801 induced visual memory deficits in mice**  
MUTLU O., ULAK G., CELIKYURT I. K., AKAR F., Erden F., TANYERİ P.  
Pharmacology Biochemistry and Behavior, cilt.99, sa.4, ss.557-565, 2011 (SCI-Expanded)
- XXIV. **Effects of olanzapine and clozapine on memory acquisition, consolidation and retrieval in mice using the elevated plus maze test**  
MUTLU O., ULAK G., Celikyurt I. K., TANYERİ P., Akar F., Erden F.  
NEUROSCIENCE LETTERS, cilt.501, sa.3, ss.143-147, 2011 (SCI-Expanded)
- XXV. **Effects of olanzapine, sertindole and clozapine on learning and memory in the Morris water maze test in naive and MK-801-treated mice**  
MUTLU O., ULAK G., CELIKYURT I. K., AKAR F., Erden F.  
Pharmacology Biochemistry and Behavior, cilt.98, sa.3, ss.398-404, 2011 (SCI-Expanded)
- XXVI. **Gabapentin, A GABA analogue, enhances cognitive performance in mice**  
Celikyurt I. K., MUTLU O., ULAK G., Akar F., Erden F.  
NEUROSCIENCE LETTERS, cilt.492, sa.2, ss.124-128, 2011 (SCI-Expanded)
- XXVII. **Effects of citalopram on cognitive performance in passive avoidance, elevated plus-maze and three-panel runway tasks in naïve rats.**  
Mutlu O., Ulak G., Celikyurt I., Akar F., Erden F.  
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- XXVIII. **Effects of risperidone on learning and memory in naive and MK-801-treated rats.**  
Celikyurt I., AKAR F., ULAK G., MUTLU O., ERDEN F.

- Pharmacology, cilt.87, ss.187-94, 2011 (SCI-Expanded)
- XXIX. **Involvement of serotonin receptor subtypes in the antidepressant-like effect of trim in the rat forced swimming test**  
Ulak G., Mutlu O., Tanyeri P., Komsuoglu F. İ., Akar F., Erden B. F.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, cilt.95, sa.3, ss.308-314, 2010 (SCI-Expanded)
- XXX. **Effects of diabetes and elevated glucose on nitrergic relaxations in the isolated duodenum of the rat**  
Utkan T., Yıldız F., Utkan N. Z., Gacar N., Göçmez S. S., Ulak G., Erden F., Sarioglu Y.  
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- XXXI. **Prevalence and Risk Factors of Allergies in Turkey (PARFAIT): results of a multicentre cross-sectional study in adults**  
Kurt E., Metintas S., Basyigit İ., Bulut I., Coskun E., Dabak S., Deveci F., Fidan F., Kaynar H., Uzaslan E. K., et al.  
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- XXXII. **Effects of L-arginine on 7-nitroindazole-induced reference and working memory performance of rats.**  
Yildiz A., Celikyurt I., ULAK G., MUTLU O.  
Pharmacology, cilt.84, ss.211-8, 2009 (SCI-Expanded)
- XXXIII. **Neuronal NOS inhibitor 1-(2-trifluoromethylphenyl)-imidazole augment the effects of antidepressants acting via serotonergic system in the forced swimming test in rats**  
Ulak G., Mutlu O., Akar F., Komsuoglu F. İ., Tanyeri P., Erden B. F.  
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- XXXIV. **5-HT1 and 5-HT2 receptors are involved in the anxiolytic-like effects of TRIM in the rat**  
Tanyeri P., MUTLU O., Akar F., Erden F., ULAK G.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, cilt.22, ss.66, 2008 (SCI-Expanded)
- XXXV. **7-Nitroindazole, a neuronal nitric oxide synthase inhibitor, impairs passive-avoidance and elevated plus-maze memory performance in rats**  
YILDIZ AKAR F., ULAK G., TANYERİ P., Erden F., UTKAN T., GACAR N.  
Pharmacology Biochemistry and Behavior, cilt.87, sa.4, ss.434-443, 2007 (SCI-Expanded)
- XXXVI. **Effect of chronic renal failure on foregut smooth muscle reactivity: an experimental study**  
Yildiz F., Tugay M., Utkan T., Yazir Y.  
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- XXXVII. **Esophageal smooth muscle reactivity is impaired in chronic reflux esophagitis by both receptor- and nonreceptor-mediated mechanisms**  
Tuğtepe H., Tugay M., Bozkurt S., Yildiz F., Utkan T., Yegen B. C., Dagli T. E.  
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- XXXVIII. **Chronic administration of fluoxetine or venlafaxine induces memory deterioration in an inhibitory avoidance task in rats**  
Ulak G., Göçmez S. S., Erden B. F., Tanyeri P., Utkan T., Yildiz F., Mutlu O., Gacar M. N.  
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- XXXIX. **Effect of dextromethorphan on reference memory assessed in rats by a three-panel runway task.**  
Gocmez S. S., Erden B. F., Ulak G., Utkan T., Yildiz F., Gacar N., Mutlu O.  
Arzneimittel-Forschung, cilt.56, sa.4, ss.276-81, 2006 (SCI-Expanded)
- XL. **Different bronchodilator combinations have similar effects on health status in COPD**  
Yildiz F., Basyigit İ., Yildirim E., Boyaci H., Ilgazli A.  
PULMONARY PHARMACOLOGY & THERAPEUTICS, cilt.19, sa.2, ss.101-106, 2006 (SCI-Expanded)
- XLI. **Does addition of inhaled steroid to combined bronchodilator therapy affect health status in patients with COPD?**  
Yildiz F., Basyigit İ., Yildirim E., Boyaci H., Ilgazli A.  
RESPIROLOGY, cilt.9, sa.3, ss.352-355, 2004 (SCI-Expanded)
- XLII. **Impaired gastric motility in the gastroesophageal reflux rat model: An in vitro study**  
Tugay M., Yildiz F., Utkan Z., Utkan T., Sarioglu Y.  
JOURNAL OF SURGICAL RESEARCH, cilt.115, ss.272-278, 2003 (SCI-Expanded)

- XLIII. **Development changes esophageal smooth muscle reactivity: An in vitro study**  
Tugay M., Yildiz F., Güvenç B. H.  
Pharmacological Research, cilt.48, sa.5, ss.473-478, 2003 (SCI-Expanded)
- XLIV. **Esophagitis impairs esophageal smooth muscle reactivity in the rat model: An in vitro study**  
Tugay M., Yıldız Akar F., Utkan T., Müezzinoğlu B., Erden B. F., Gacar M. N., Ulak G.  
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- XLV. **Age-related smooth muscle reactivity changes in the rat bladder: an in vitro study**  
Tugay M., Yildiz F., Utkan T., Gacar N., Ulak G., Erden F.  
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- XLVI. **Gastric smooth muscle contractility changes in the esophageal atresia rat model: An in vitro study**  
Tugay M., Yildiz F., Utkan T., Sarıoğlu Y., Gacar N.  
JOURNAL OF PEDIATRIC SURGERY, cilt.38, ss.1366-1370, 2003 (SCI-Expanded)
- XLVII. **Aging impairs nitric oxide-mediated relaxant responses of rabbit corporal smooth muscle**  
Utkan T., Yıldırım Ş., Sarıoğlu Y., Yildiz F., Yıldırım K.  
NITRIC OXIDE-BIOLOGY AND CHEMISTRY, cilt.6, ss.342-346, 2002 (SCI-Expanded)
- XLVIII. **Impaired esophageal reactivity in adriamycin-induced rat esophageal atresia: An in vitro study**  
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- XLIX. **Impaired neurogenic and endothelium-dependent relaxant responses of corpus cavernosum smooth muscle from hyperthyroid rabbits**  
Özdemirci S., Yildiz F., Utkan T., Ulak G., Çetinaslan B., Erden F., Gacar N.  
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- L. **Chronic ethanol consumption impairs adrenoceptor- and purinoceptor-mediated relaxations of isolated rat detrusor smooth muscle**  
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- L.I. **Blood pressure and vascular reactivity to endothelin-1, phenylephrine, serotonin, KCl and acetylcholine following chronic alcohol consumption in vitro**  
Utkan T., Yildiz F., İlbay G., Ozdemirci S., Erden B. F., Gacar N., Ulak G.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, cilt.15, sa.3, ss.157-165, 2001 (SCI-Expanded)
- L.II. **Antidepressant, anxiogenic, and antinociceptive properties of levofloxacin in rats and mice**  
Erden B. F., Ulak G., Yıldız F., Utkan T., Özdemirci S., Gacar N.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, cilt.68, ss.435-441, 2001 (SCI-Expanded)
- L.III. **Antidepressant-like effect of 7-nitroindazole in the forced swimming test in rats**  
Yildiz F., Erden B. F., Ulak G., Utkan T., Gacar N.  
PSYCHOPHARMACOLOGY, cilt.149, ss.41-44, 2000 (SCI-Expanded)
- L.IV. **Anxiolytic-like effects of 7-nitroindazole in the rat plus-maze test**  
Yıldız F., Ulak G., Erden B. F., Gacar N.  
Pharmacology Biochemistry and Behavior, cilt.65, ss.199-202, 2000 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Chronic Effects of Ziprasidone, Aripiprazole, Blonanserin, Cyamemazine, and Nemonapride on Mice Isolated Detrusor Smooth Muscle**  
Tanyeri M. H., Büyükkuroğlu M. E., Tanyeri P., K. Kaya R., Başarır Bozkurt Ş., Mutlu O., Yıldız Akar F., Erden B. F., Ulak G.  
Online Türk Sağlık Bilimleri Dergisi, cilt.6, sa.4, ss.210-220, 2021 (Hakemli Dergi)
- II. **Effects of Cyamemazine, Blonanserin and Nemonapride on Mice Isolated Vas Deferens Contractility**  
Tanyeri M. H., Büyükkuroğlu M. E., Tanyeri P., K. Kaya R., Başarır Ş., Mutlu O., Yıldız Akar F., Erden B. F., Ulak G.  
Sakarya Tıp Dergisi, cilt.11, sa.4, ss.933-939, 2021 (Hakemli Dergi)

- III. **Effects of Pyroglutamyl Peptides on Depression, Anxiety and Analgesia in Mice**  
Mutlu O., Tanyeri P., Uygun İ., Başarır Ş. N., Yıldız Akar F., Çelebi G., Büyükokuroğlu M. E., Erden B. F., Vales K.  
INTERNATIONAL JOURNAL OF MEDICAL RESEARCH AND HEALTH SCIENCES, cilt.10, sa.5, ss.56-62, 2021 (ESCI)
- IV. **Effects of Haloperidol, Asenapine and Paliperidone on MK-801-Induced Memory Deterioration in Morris Water Maze and Radial Arm Maze Tests in Mice**  
MUTLU O., Kara M. Y., Tanyeri P., Akar F., ULAK G., Erden F.  
INTERNATIONAL JOURNAL OF MEDICAL RESEARCH & HEALTH SCIENCES, cilt.8, sa.7, ss.111-121, 2019 (ESCI)
- V. **Desipramin, venlafaksin ve bupropionun farelerdeki depresyon ve anksiyete üzerine etkilerinin zorunlu yüzme testi ve yükseltmiş artı labirent testi ile değerlendirilmesi**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Mutlu O., Yıldız Akar F., Ulak G., Erden B. F.  
Sakarya Medical Journal, cilt.8, ss.820-829, 2018 (Hakemli Dergi)
- VI. **Evaluation of The Effects of Desipramine, Venlafaxine And Bupropion on Depression and Anxiety in Mice By Forced Swimming Test and Elevated Plus Maze Test.**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Mutlu O., Ulak G., Yıldız Akar F., Erden B. F.  
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- VII. **Effects of adipokinetic hormone/red pigment concentrating hormone (AKH/RPCH) family of peptides on uterine contraction**  
Mutlu O., Tanyeri P., Akdemir N., Büyükokuroğlu M. E., Yıldız Akar F., Ulak G., Erden B. F.  
International Journal of Medical Research Health Sciences 2018,, cilt.7, ss.32-36, 2018 (ESCI)
- VIII. **The influence of atypic antipsychotic drugs on vas deferens in mice.**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Mutlu O., Yıldız Akar F., Ulak G., Erden B. F.  
International Journal of Medical Research Health Sciences, cilt.7, ss.1-7, 2018 (ESCI)
- IX. **The Influence of Atypical Antipsychotic Drugs on Vas Deferens in Mice**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Mutlu O., Akar F., Ulak G., Erden B. F.  
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- X. **Superior effects of quetiapine compared with aripiprazole and iloperidone on MK-801-induced olfactory memory impairment in female mice**  
Mutlu A., Mutlu O., Ulak G., Akar F., Kaya H., Erden B. F., Tanyeri P.  
BIOMEDICAL REPORTS, cilt.6, ss.567-570, 2017 (ESCI)
- XI. **The Effects of Smoking on the Prostates of Rats which are Exposed to Cigarette Smoke**  
TANYERİ M. H., ACAR O., Tanyeri P., MUTLU O., AKAR F., YILDIZ K., GOKALP A.  
INTERNATIONAL JOURNAL OF MEDICAL RESEARCH & HEALTH SCIENCES, cilt.6, sa.10, ss.130-142, 2017 (ESCI)
- XII. **7-NI and ODQ Disturbs Memory in the Elevated Plus Maze, Morris Water Maze, and Radial Arm Maze Tests in Mice.**  
Mutlu O., Akar F., Celikyurt I., Tanyeri P., Ulak G., Erden F.  
Drug target insights, cilt.9, ss.1-8, 2015 (Scopus)
- XIII. **Effects of Rolipram and Zaprinas on Learning and Memory in the Morris Water Maze and Radial Arm Maze Tests in Naive Mice**  
Akar F., MUTLU O., Celikyurt I. K., ULAK G., Erden F., Bektas E., Tanyeri P.  
DRUG RESEARCH, cilt.65, sa.2, ss.86-90, 2015 (ESCI)
- XIV. **Exenatide treatment exerts anxiolytic- and antidepressant-like effects and reverses neuropathy in a mouse model of type-2 diabetes.**  
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- LXIII. Asenapine and paliperidone exert antidepressant- and anxiolytic-like effects in mice**  
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- LXIV. Asenapine and paliperidone improve MK-801-induced memory deterioration in Morris water maze test in mice**  
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- LXV. Effects of asenapine and paliperidon on MK 801 induced memory deterioration in passive avoidance and elevated plus maze tests in mice**  
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- LXVI. Effects of ziprasidone SCH 23390 and SB 277011 on spatial memory in the Morris water maze test in naive and MK 801 treated mice**  
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- LXVII. The effects of smoking on the prostates of rats which are exposed to cigarette smoke**  
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- LXVIII. Effects of asenapine and paliperidon on MK 801 induced memory deterioration in radial arm maze in mice**  
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- LXX. **Novel Molecular Approach for detecting the changes in mice heart after rolipram treatment via FTIR spectroscopy**  
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- LXXIII. **Asthma in elderly in Turkey: a multicenter study**  
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- LXXV. **Effects of haloperidol on learning and memory in naive and MK 801 injected mice in the passive avoidance and elevated plus maze tests**  
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- LXXVIII. **Effect of haloperidol on MK-801-induced memory deterioration in the Morris water maze and radial-arm maze tests in mice**  
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- LXXX. **Effects of homeopathic remedy dragonfly anax imperator on learning and memory in Morris water maze and passive avoidance tests in mice**  
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- LXXXII. **Tianeptin ve olanzapinin öngörülemeden kronik hafif stresle indüklenen depresyon üzerine etkileri**  
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- XCI. **Disturbing effects of spatial memory by ODQ and 7 NI in the modified elevated plus maze test**  
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- XCII. **Effects of zaprinast and rolipram on spatial memory in the radial arm maze test in mice**  
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- XCIII. **The Investigation of the Molecular Effects of ZAP and ODQ on Rat Brain by FTIR Spectroscopy**  
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- XCIV. **The investigation of the molecular effects of zaprinast and ODQ, a guanylate cyclase inhibitor, on rat**

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- XCV. Enhancement of cognitive performance by gabapentin in Morris water maze, elevated plus maze and passive avoidance tasks in naive mice**  
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- XCVII. Effects of zaprinast and rolipram on olfactory memory in the social transmission of food preference test in mice European behavioural pharmacological society**  
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- XCVIII. Effects of zaprinast ODQ and 7 NI on locomotion and anxiety in the open field test in mice**  
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- XCIX. Effects of zaprinast rolipram ODQ and 7 NI on exploratory activity in mice**  
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- C. Effects of 7 NI and ODQ on visual memory in the novel object recognition test in mice**  
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- CI. EFFECTS OF ZAPRINAST AND ROLIPRAM ON OLFACTORY MEMORY IN THE SOCIAL TRANSMISSION OF FOOD PREFERENCE TEST IN MICE**  
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- CII. EFFECTS OF OLANZAPINE AND FLUOXETINE ON UNPREDICTABLE CHRONIC MILD STRESS-INDUCED COGNITION DETERIORATION IN MICE**  
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- CIII. EFFECTS OF 7-NI AND ODQ ON VISUALMEMORY IN THE NOVEL OBJECT RECOGNITION TEST IN MICE**  
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- CIV. EFFECTS OF ZAPRINAST, ODQ AND 7-NI ON LOCOMOTION AND ANXIETY IN THE OPEN FIELD TEST IN MICE**  
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- CV. EFFECTS OF 7-NI AND ODQ ON EMOTIONAL MEMORY IN THE PASSIVE AVOIDANCE TEST IN MICE**  
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- CVI. EFFECTS OF ZAPRINAST, ROLIPRAM, ODQ AND 7-NI ON EXPLORATORY ACTIVITY IN MICE**  
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- CVII. THE REVERSAL OF 7-NI-INDUCED MOLECULAR EFFECTS BY L-ARG IN RAT BRAIN IS SUPPORTED BY**

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- CVIII. **EFFECTS OF ZAPRINAST ON SPATIAL AND VISUAL MEMORY IN THE ELEVATED PLUS MAZE AND NOVEL OBJECT RECOGNITION TESTS IN MICE**  
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- CIX. **Effects of tianeptine and fluoxetine on unpredictable chronic mild stress induced cognition deterioration in mice**  
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- CX. **Olanzapine prevents unpredictable chronic mild stress induced depressive effects in mice**  
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- CXI. **A Promising Study to Investigate Mechanism of Action of Tianeptine on UCMS An FTIR Study**  
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- CXII. **Effects of zaprinast on learning and memory in the Morris water maze and passive avoidance tests in naive mice**  
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- CXIV. **Lamotrigine ameliorates learning and memory in morris water maze modified elevated plus maze and passive avoidance tests in naive mice**  
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- CXV. **7 NI ve ODQ nun farelerde ışınal kollu labirent testinde uzaysal bellek üzerine etkileri**  
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- CXVI. **7 NI ve ODQ nun farelerde yiyecek tercihinin sosyal geçişi testinde kokusal bellek üzerine etkileri**  
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- CXVIII. **Effects of olanzapine on structure and function of brain tissue biomolecules during unpredictable chronic mild stress an Fourier transform mid infrared spectroscopic study**  
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- CXX. **Effects of clozapine and olanzapine on acquisition consolidation and retention of memory in elevated plus maze test in mice**  
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- CXXII. **Investigation of effects of fluoxetine on UCMS induced changes of brain tissue by FTIR spectroscopy**  
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- CXXIII. **Investigation of effects of fluoxetine on unpredictable chronic mild stress induced changes of brain tissue by Fourier transform mid infrared spectroscopy**  
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- CXXIV. **Risperidonun yükseltmiş artı labirent testinde bilişsel işlevler üzerine etkileri**  
KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
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- CXXVI. **Effect of olanzapine on MK 801 induced impairment of memory in the radial arm maze test in mice**  
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- CXXVIII. **'xx'xxSıçan Serebellumundda İnhibitör 7-Nitroindazol Etkisiyle İmmünreaktif Nöronal Nitrik Oksit Sentaz(nNOS) Azalmıştır'xx'xx**  
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- CXXIX. **'the effects of NOS inhibitor 7-nitroindazole and NO precursor L-arginin on immunoreactive neuronal nitric oxide synthase (nNOS) in rat brains and its relation to memory'**  
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- CXXX. **Effect of 7 nitroindazole on working memory of rats in three panel runway test**  
YILDIZ AKAR F., KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., ULAK G.  
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- CXXXI. **The role of the serotonergic system in the antidepressant like effect of TRIM in the rat forced swimming test**  
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- CXXXIII. **'xx'xxChronic alcohol induced i-NOS expression in the penis: An immunohistochemical study'xx'xx**  
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- CXXXIV. **Neuronal NOS inhibitor 1-(2-trifluoromethylphenyl)-imidazole augment the effects of antidepressants acting via serotonergic system in the forced swimming test in rats**  
Akar F., ULAK G., MUTLU O., Komsuoğlu F. İ., Erden F., UTKAN T., GACAR N.  
12th Biennial Meeting of the European-Pharmacology-Society, Tübingen, Almanya, 31 Ağustos - 03 Eylül 2007, cilt.18
- CXXXV. **7-nitroindazole impairs passive avoidance and elevated-plus maze memory performance in rats**  
Akar F., Ulak G., Tanyeri P., Erden F., Utkan T., Gacar N.

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**CXXXVI. Anxiolytic like effects of Fluoxetine in the rat plus maze test**

ULAK G., TANYERİ P., YILDIZ AKAR F., MUTLU O.

12th Biennial meeting of the European Behavioural Pharmacology Society, Tubingen, Almanya, 31 Ağustos - 03 Eylül 2007

**CXXXVII. Neuronal NOS inhibitor 1 2 Trifluoromethylphenyl imidazole augment the effects of antidepressants acting via serotonergic system in the forced swimming test in rats**

YILDIZ AKAR F., ULAK G., MUTLU O., KOMSUOĞLU ÇELİKYURT F. İ., ERDEN B. F., UTKAN T., GACAR M. N.

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**CXXXVIII. Effects of Citalopram and L NAME on reference and working memory of rats in the three panel runway**

MUTLU O., KOMSUOĞLU ÇELİKYURT F. İ., ULAK G., YILDIZ AKAR F., GÖÇMEZ S. S.

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**CXXXIX. Effect of 7 NI on reference memory assessed in rats by a three panel runway task**

KOMSUOĞLU ÇELİKYURT F. İ., YILDIZ AKAR F., ULAK G., MUTLU O.

12th Biennial meeting of the European Behavioural Pharmacology Society, Tubingen, Almanya, 31 Ağustos - 03 Eylül 2007

**CXL. Sitalopramın yükseltilmiş artı labirent testinde öğrenme ve bellek fonksiyonları üzerine etkisi**

Mutlu O., Göçmez S. S., Ulak G., Erden B. F., Yıldız Akar F., Utkan T., Gacar M. N.

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## Desteklenen Projeler

YILDIZ AKAR F., Yükseköğretim Kurumları Destekli Proje, Farklı parametreler ile kronik olarak toksik maddelere maruziyetin sıçanlarda kognitif fonksiyonlar üzerine etkilerinin incelenmesi, 2014 - 2015

YILDIZ AKAR F., Yükseköğretim Kurumları Destekli Proje, Farelerde NOS inhibisyonu ile indüklenen öğrenme bellek bozukluğu üzerine PDE 2, 5 ve 9 inhibitörlerinin etkilerinin araştırılması, 2012 - 2014

## Metrikler

Yayın: 220

Atıf (WoS): 1031

Atıf (Scopus): 1223

H-İndeks (WoS): 18

H-İndeks (Scopus): 20