

## Prof. OĞUZ MUTLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5952-2018

Yoksis Researcher ID: 155521

### Education Information

Expertise In Medicine, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 2004 - 2008

Undergraduate, Kocaeli University, Tıp Fakültesi, Tıp Pr., Turkey 1997 - 2004

### Foreign Languages

English, C1 Advanced

### Dissertations

Expertise In Medicine, TRIM'in öğrenme bellek üzerine etkisi, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2008

### Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Pharmacology and Clinical Pharmacology, Medical Pharmacology and Toxicology

### Academic Titles / Tasks

Professor, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2019 - Continues

Associate Professor, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2013 - 2019

Assistant Professor, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2011 - 2013

Lecturer, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2010 - 2011

Expert, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2008 - 2010

Research Assistant, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2004 - 2008

### Academic and Administrative Experience

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2019 -

Continues

Ethics Committee Member, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2019 - Continues

Farmakovijilans irtibat noktası sorumlusu, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2008 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Kocaeli University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2018 - 2020

## Courses

Diş hekimliği Farmakoloji 2, Undergraduate, 2018 - 2019

Tıp Dönem III Farmakoloji, Undergraduate, 2018 - 2019

Hemşirelik 2. sınıf Farmakoloji, Undergraduate, 2016 - 2017

Rasyonel Farmakoterapi Stajı, Undergraduate, 2016 - 2017

## Advising Theses

Mutlu O., Effects Of Pyroglutamyl Peptides On Scopolamine Induced Learning-Memory Impairment In Mice, Postgraduate, i.UYGUN(Student), 2022

MUTLU O., Ratlarda deneysel monoküler deprivasyon ambliyopisi modelinde, intraperitoneal olarak uygulanan rolipramın görme, uzaysal ve görsel bellek üzerindeki davranışsal ve vizüel kortikal plastisite üzerindeki biyokimyasal etkisi, Expertise In Medicine, O.SİNAN(Student), 2015

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Burdur Mehmet Akif Ersoy Üniversitesi, March, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Sakarya Üniversitesi, February, 2023

Associate Professor Exam, Associate Professor Exam, Kocaeli Üniversitesi, August, 2020

Associate Professor Exam, Associate Professor Exam, Kocaeli Üniversitesi, February, 2020

Expertise In Medicine, Expertise In Medicine, Sakarya Üniversitesi, November, 2019

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2014

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

- I. **Effects of mirabegron on depression, anxiety, learning and memory in mice**  
Tanyeri M. H., Buyukokuroglu M. E., Tanyeri P., MUTLU O., Ozturk A., Yavuz K., Kaya R. K.  
ANAI DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.93, 2021 (SCI-Expanded)
- II. **Effects of adipokinetic hormone/red pigment-concentrating hormone family of peptides in olfactory bulbectomy model and posttraumatic stress disorder model of rats.**  
Mutlu O., Kurtas O., Kleteckova L., Pinterova N., Holubová K., Horacek J., Hoschl C., Uygun I., Rodriguez D. B., Kacer D., et al.  
Peptides, vol.134, pp.170408, 2020 (SCI-Expanded)
- III. **Effects of the adipokinetic hormone/red pigment-concentrating hormone (AKH/RPCH) family of peptides on MK-801-induced schizophrenia models**  
Mutlu O., Palenicek T., Pinterova N., Sichova, Sichova K., Horacek J., Holubova K., Hoeschl C., Stuchlik A., Erden F., Vales K.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.32, pp.589-602, 2018 (SCI-Expanded)
- IV. **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, vol.61, no.5, pp.280-292, 2018 (SCI-Expanded)

- V. **Histopathologic and molecular comparative analyses of intravesical Aurora kinase-A inhibitor Alisertib with bacillus Calmette-Gu, rin on precancerous lesions of bladder in a rat model**  
Teke K., Yılmaz H., Uslubaş A. K., Akpınar G., Kasap M., Mutlu O., Yıldız D. K., Güzel N., Dillioğlugil Ö. INTERNATIONAL UROLOGY AND NEPHROLOGY, no.8, pp.1417-1425, 2018 (SCI-Expanded)
- VI. **Exenatide upregulates gene expression of glucagon-like peptide-1 receptor and nerve growth factor in streptozotocin/nicotinamide-induced diabetic mice**  
Gumuslu E., Çine N., Ertan M., Mutlu O., Celikyurt I. K., Ulak G. FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.32, pp.174-180, 2018 (SCI-Expanded)
- VII. **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, vol.49, pp.1561-1567, 2017 (SCI-Expanded)
- VIII. **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, vol.60, no.2, pp.106-113, 2017 (SCI-Expanded)
- IX. **Chronic Treatment with the IDO1 Inhibitor 1-Methyl-D-Tryptophan Minimizes the Behavioural and Biochemical Abnormalities Induced by Unpredictable Chronic Mild Stress in Mice - Comparison with Fluoxetine**  
LAUGERAY A., Launay J., Callebert J., Mutlu O., Guillemin G. J., BELZUNG C., Barone P. R. PLOS ONE, vol.11, no.11, 2016 (SCI-Expanded)
- X. **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, vol.30, pp.376-384, 2016 (SCI-Expanded)
- XI. **Exenatide Alters Gene Expression of Neural Cell Adhesion Molecule (NCAM), In-tercellular Cell Adhesion Molecule (ICAM), and Vascular Cell Adhesion Molecule (VCAM) in the Hippocampus of Type 2 Diabetic Model Mice**  
Gumuslu E., ÇİNE N., Gokbayrak M. E., MUTLU O., Celikyurt I. K., ULAK G. MEDICAL SCIENCE MONITOR, vol.22, pp.2664-2669, 2016 (SCI-Expanded)
- XII. **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, vol.161, pp.178-185, 2016 (SCI-Expanded)
- XIII. **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, vol.30, no.1, pp.4-13, 2016 (SCI-Expanded)
- XIV. **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, vol.105, pp.96-101, 2016 (SCI-Expanded)
- XV. **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, vol.138, pp.142-147, 2015 (SCI-Expanded)
- XVI. **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, vol.104, no.1, pp.15-23, 2015 (SCI-Expanded)
- XVII. 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, vol.115, pp.188, 2014 (SCI-Expanded)
- XVIII. Sildenafil enhances locomotor activity in young mice and exerts anxiogenic effects in both young and aged mice.**  
DEMİRÇİ D., MUTLU O., Akar F., Komsuoğlu Celikyurt I., ULAK G.  
Medical science monitor basic research, vol.20, pp.15-21, 2014 (SCI-Expanded)
- XIX. 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, vol.110, pp.27-32, 2013 (SCI-Expanded)
- XX. 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, vol.63, no.10, pp.532-539, 2013 (SCI-Expanded)
- XXI. 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, vol.74, no.4, pp.242-251, 2013 (SCI-Expanded)
- XXII. 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, vol.74, pp.203-215, 2013 (SCI-Expanded)
- XXIII. 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, vol.105, pp.12-16, 2013 (SCI-Expanded)
- XXIV. Antidepressant like activity of agomelatine in the mouse unpredictable chronic mild stress model**  
Mutlu O., Gümüşlü K. E., Ulak G., Komsuoğlu Çelikyurt F. İ., Yıldız Akar F., Bektas E., Demirtaş Şahin T., Hale Maral K., Musul M. M., Erden B. F.  
DRUG DEVELOPMENT RESEARCH, vol.74, pp.203-215, 2013 (SCI-Expanded)
- XXV. 5 HT1 and 5HT2 receptors are involved in the anxiolytic like effects of TRIM in the rat**  
Tanyeri P., Mutlu O., Ulak G., Yıldız Akar F., Komsuoğlu Çelikyurt F. İ., Erden B. F.  
DRUG DEVELOPMENT RESEARCH, vol.74, pp.242-251, 2013 (SCI-Expanded)
- XXVI. 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., Komsuoğlu S. S.  
LIFE SCIENCES, vol.91, pp.1270-1274, 2012 (SCI-Expanded)
- XXVII. 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, vol.91, pp.1252-1262, 2012 (SCI-Expanded)
- XXVIII. Lamotrigine effects sensorimotor gating in WAG/Rij rats**  
Celikyurt I. K., ULAK G., MUTLU O., Akar F., Erden F., Komsuoğlu S. S.  
Journal of Neurosciences in Rural Practice, vol.3, no.2, pp.126-130, 2012 (SCI-Expanded)
- XXIX. 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, vol.90, pp.185-189, 2012 (SCI-Expanded)
- XXX. 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, vol.62, no.1, pp.4-8, 2012 (SCI-Expanded)
- XXXI. **Evidence for the involvement of neuronal nitric oxide synthase and soluble guanylate cyclase on cognitive functions in rats**  
Komsuoglu-Celikyurt I., Göçmez S. S., Mutlu O., Gacar N., Aricioğlu F., Utkan T.  
LIFE SCIENCES, vol.89, pp.905-910, 2011 (SCI-Expanded)
- XXXII. **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, vol.99, no.4, pp.557-565, 2011 (SCI-Expanded)
- XXXIII. **Beneficial effects of resveratrol on scopolamine but not mecamlamine induced memory impairment in the passive avoidance and Morris water maze tests in rats**  
Gacar N., Mutlu O., Utkan T., Celikyurt I. K., Gocmez S. S., Ulak G.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.99, pp.316-323, 2011 (SCI-Expanded)
- XXXIV. **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, vol.501, no.3, pp.143-147, 2011 (SCI-Expanded)
- XXXV. **Effects of nitric oxide synthase inhibitors 1-(2-trifluoromethylphenyl) - imidazole (TRIM) and 7-nitroindazole (7-NI) on learning and memory in mice**  
Mutlu O., ULAK G., BELZUNG C.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.25, no.3, pp.368-377, 2011 (SCI-Expanded)
- XXXVI. **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, vol.98, no.3, pp.398-404, 2011 (SCI-Expanded)
- XXXVII. **Gabapentin, A GABA analogue, enhances cognitive performance in mice**  
Celikyurt I. K., MUTLU O., ULAK G., Akar F., Erden F.  
NEUROSCIENCE LETTERS, vol.492, no.2, pp.124-128, 2011 (SCI-Expanded)
- XXXVIII. **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.  
The Chinese journal of physiology, vol.54, pp.36-46, 2011 (SCI-Expanded)
- XXXIX. **Effects of nitric oxide synthase inhibitors 1 2 trifluoromethylphenyl imidazole TRIM and 7 nitroindazole 7 NI on learning and memory in mice**  
MUTLU O., ULAK G., CATHERİNE B.  
Fundamental Pharmacology, vol.25, pp.368-377, 2011 (SCI-Expanded)
- XL. **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, vol.87, pp.187-94, 2011 (SCI-Expanded)
- XLI. **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, vol.95, no.3, pp.308-314, 2010 (SCI-Expanded)
- XLII. **N-Acetylcysteine improves disturbed ileal contractility following partial hepatectomy in rats**  
Okay E., Mutlu O., Gocmez S. S., Oz S., Utkan T.  
JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol.25, pp.203-208, 2010 (SCI-Expanded)
- XLIII. **Effects of neuronal and inducible NOS inhibitor 1-[2-(trifluoromethyl) phenyl] imidazole (TRIM) in unpredictable chronic mild stress procedure in mice**  
MUTLU O., ULAK G., LAUGERAY A., BELZUNG C.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.92, no.1, pp.82-87, 2009 (SCI-Expanded)
- XLIV. **Effects of L-arginine on 7-nitroindazole-induced reference and working memory performance of rats.**

Yildiz A., Celikyurt I., ULAK G., MUTLU O.

Pharmacology, vol.84, pp.211-8, 2009 (SCI-Expanded)

- XLV. **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.  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol.90, no.4, pp.563-568, 2008 (SCI-Expanded)
- XLVI. **The effect of the neuronal and inducible nitric oxide synthase inhibitor TRIM on depression in the unpredictable chronic mild stress model**  
MUTLU O., ULAK G., Laugeray A., Belzung C.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.22, pp.32, 2008 (SCI-Expanded)
- XLVII. **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, vol.22, pp.66, 2008 (SCI-Expanded)
- XLVIII. **Effect of memantine on morphine physical dependence in acute naloxone-precipitated withdrawal.**  
Aricioglu F., Gocmez S. S., Mutlu O., Utkan T.  
ACTA PHARMACOLOGICA SINICA, vol.27, pp.421-422, 2006 (SCI-Expanded)
- XLIX. **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.  
DRUG DEVELOPMENT RESEARCH, vol.67, pp.456-461, 2006 (SCI-Expanded)
- L. **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, vol.56, no.4, pp.276-81, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Neurochemical Effects of the Adipokinetic Hormone/Red Pigment Concentrating Hormone Family of Peptides in MK-801-Induced Schizophrenia Rat Model**  
Başarır Bozkurt Ş. N., Mutlu O., Rodrigez D. B., Kacer D., Tanyeri P., Çobantürk P., Vales K.  
Online Türk Sağlık Bilimleri Dergisi, vol.5, no.2, pp.15-25, 2023 (Peer-Reviewed Journal)
- II. **Effects of pyroglutamyl peptides on scopolamine induced learning-memory impairment in mice**  
Uygun İ., Başarır Bozkurt Ş. N., Al Yousef M., Khalid Mohammed M. O., Tanyeri P., Akar F., Erden B. F., Mutlu O.  
Sakarya Tıp Dergisi, vol.13, no.3, pp.446-455, 2023 (Peer-Reviewed Journal)
- III. **Chronic Effects of Loxapine, Iloperidone, Paliperidone on Mice Isolated Vas Deferens Contractility**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Kaya R. K., Başarır Ş. N., Mutlu O., Yıldız Akar F., Erden B. F., Ulak G.  
Online Türk Sağlık Bilimleri Dergisi, vol.7, no.1, pp.40-46, 2022 (Peer-Reviewed Journal)
- IV. **Chronic Effects of Atypic Antipsychotics on Mice Isolated Vas Deferens Contractility: An In vitro Study**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Keleş Kaya R., Başarır Bozkurt Ş. N., Mutlu O., Yıldız Akar F., Erden B. F., Ulak G.  
JOURNAL OF PHARMACEUTICAL RESEARCH INTERNATIONAL, vol.34, no.17b, pp.26-34, 2022 (ESCI)
- V. **Effects of Haloperidol, Olanzapine, Risperidone And Clozapine on Mice Detrusor Muscle Using Organ Bath System**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Keleş Kaya R., Başarır Bozkurt Ş. N., Mutlu O., Yıldız Akar F., Erden B. F., Ulak G.  
Online Türk Sağlık Bilimleri Dergisi, vol.7, no.1, pp.106-111, 2022 (Peer-Reviewed Journal)
- VI. **Oksibutininin Farelerde Pasif Sakınma ve Morris Su Tankı Testlerinde Öğrenme ve Bellek İşlevleri Üzerine Etkileri**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., Ozturk A., Keleş Kaya R., Başarır Bozkurt S. N., Mutlu O.  
Sakarya Tıp Dergisi, vol.12, no.1, pp.98-106, 2022 (Peer-Reviewed Journal)

- VII. **Effects of Cyamemazine, Blonanserin and Nemonapride on Mice Isolated Vas Deferens Contractility**  
Tanyeri M. H., Büyükokuroğlu M. E., Tanyeri P., K. Kaya R., Başarır Ş., Mutlu O., Yıldız Akar F., Erden B. F., Ulak G.  
Sakarya Tıp Dergisi, vol.11, no.4, pp.933-939, 2021 (Peer-Reviewed Journal)
- VIII. **Effects of Terazosin, Silodosin and Alfuzosin on Depression and Anxiety in Mice**  
Tanyeri M. H., BÜYÜKOKUROĞLU M. E., TANYERİ P., K. Kaya R., ÖZTÜRK A., Başarır Ş., Ormancı D., MUTLU O.  
JOURNAL OF PHARMACEUTICAL RESEARCH INTERNATIONAL, vol.33, pp.78-87, 2021 (ESCI)
- IX. **Chronic Effects of Ziprasidone, Aripiprazole, Blonanserin, Cyamemazine, and Nemonapride on Mice Isolated Detrusor Smooth Muscle**  
Tanyeri M. H., Büyükokuroğlu 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, vol.6, no.4, pp.210-220, 2021 (Peer-Reviewed Journal)
- X. **Effects of Pyroglutamyl Peptides on Depression, Anxiety and Analgesia in Mice**  
MUTLU O., TANYERİ P., UYGUN İ., BAŞARIR Ş. N., YILDIZ AKAR F., ÇELEBİ G., BÜYÜKOKUROĞLU M. E., ERDEN B. F., VALES K.  
INTERNATIONAL JOURNAL OF MEDICAL RESEARCH AND HEALTH SCIENCES, vol.10, no.5, pp.56-62, 2021 (ESCI)
- XI. **KORONAVİRÜS HASTALIĞI (COVID-19) TEDAVİSİNDE KULLANILAN İLAÇLAR**  
Erden B. F., Mutlu O.  
Kocaeli Üniversitesi Sağlık Bilimleri Dergisi, vol.6, no.3, pp.167-173, 2020 (Peer-Reviewed Journal)
- XII. **Effects of Olanzapine and Clozapine on Depression and Anxiety in Mice: Alterations in Brain Neurotrophic Factor Expression Levels**  
Gumuslu E., Mutlu O.  
JOURNAL OF ACADEMIC RESEARCH IN MEDICINE-JAREM, vol.9, pp.97-101, 2019 (ESCI)
- XIII. **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, vol.8, no.7, pp.111-121, 2019 (ESCI)
- XIV. **Desipramin, venlafaksin ve bupropionun farelerdeki depresyon ve anksiyete üzerine etkilerinin zorunlu yüzme testi ve yükseltilmiş 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, vol.8, pp.820-829, 2018 (Peer-Reviewed Journal)
- XV. **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.  
Sakarya Med J, vol.8, pp.820-829, 2018 (Peer-Reviewed Journal)
- XVI. **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,, vol.7, pp.32-36, 2018 (ESCI)
- XVII. **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, vol.7, pp.1-7, 2018 (ESCI)
- XVIII. **The Influence of Atypical Antipsychotic Drugs on Vas Deferens in Mice**  
Tanyeri M. H., Buyukokuroglu M. E., Tanyeri P., Mutlu O., Akar F., Ulak G., Erden B. F.  
INTERNATIONAL JOURNAL OF MEDICAL RESEARCH & HEALTH SCIENCES, vol.7, pp.32-38, 2018 (Peer-Reviewed Journal)
- XIX. **Effects of Adipokinetic Hormone/Red Pigment-Concentrating Hormone (AKH/RPCH) Family of Peptides on Uterine Contraction**  
MUTLU O., Tanyeri P., Akdemir N., Buyukokuroglu M. E., Akar F., ULAK G., ERDEN F.  
INTERNATIONAL JOURNAL OF MEDICAL RESEARCH & HEALTH SCIENCES, vol.7, no.6, pp.63-67, 2018 (ESCI)
- XX. **Oral Kontraseptiflerin Terapötik Etkisini Değiştiren İlaç Etkileşimleri.**  
MUTLU O.

Türkiye Klinikleri J Pharmacol, vol.5, pp.195-197, 2017 (Peer-Reviewed Journal)

- XXI. **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, vol.6, pp.567-570, 2017 (ESCI)
- XXII. **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, vol.6, no.10, pp.130-142, 2017 (ESCI)
- XXIII. **Depresyon Anksiyete ve Bellek Çalışmaları ile ilişkili Deney Hayvanı Modelleri**  
MUTLU O.  
Türkiye Klinikleri J Pharmacol Special Topics, vol.4, pp.48-52, 2016 (Non Peer-Reviewed Journal)
- XXIV. **DeneySEL Şizofreni Modelleri**  
MUTLU O., KAYA H.  
Kocaeli Üniversitesi Sağlık Bilimleri Dergisi, vol.1, pp.12-20, 2015 (Peer-Reviewed Journal)
- XXV. **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, vol.9, pp.1-8, 2015 (Scopus)
- XXVI. **Effects of Rolipram and Zaprinst 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, vol.65, no.2, pp.86-90, 2015 (ESCI)
- XXVII. **Exenatide treatment exerts anxiolytic- and antidepressant-like effects and reverses neuropathy in a mouse model of type-2 diabetes.**  
Komsuoglu Celikyurt I., MUTLU O., ULAK G., Uyar E., Bektaş E., YILDIZ AKAR F., Erden F., Tarkun I.  
Medical science monitor basic research, vol.20, pp.112-7, 2014 (Scopus)
- XXVIII. **Zaprinst and rolipram enhances spatial and emotional memory in the elevated plus maze and passive avoidance tests and diminishes exploratory activity in naive mice.**  
Akar F., MUTLU O., Komsuoglu Celikyurt I., ULAK G., Erden F., BEKTAŞ E., TANYERİ P.  
Medical science monitor basic research, vol.20, pp.105-11, 2014 (Scopus)
- XXIX. **Effects of zaprinst and rolipram on olfactory and visual memory in the social transmission of food preference and novel object recognition tests in mice.**  
AKAR F., MUTLU O., Celikyurt I., BEKTAS E., TANYERİ M., ULAK G., TANYERİ P., ERDEN F.  
Drug target insights, vol.8, pp.23-9, 2014 (Scopus)
- XXX. **Effects of 7-NI and ODQ on memory in the passive avoidance, novel object recognition, and social transmission of food preference tests in mice.**  
Akar F., Mutlu O., Komsuoglu Celikyurt I., Bektas E., Tanyeri P., Ulak G., Erden F.  
Medical science monitor basic research, vol.20, pp.27-35, 2014 (Scopus)
- XXXI. **The Antidepressant Agomelatine Improves Memory Deterioration and Upregulates CREB and BDNF Gene Expression Levels in Unpredictable Chronic Mild Stress (UCMS)-Exposed Mice.**  
GUMUSLU E., MUTLU O., SUNNETCI D., ULAK G., Celikyurt I., CINE N., AKAR F., SAVLI H., ERDEN F.  
Drug target insights, vol.8, pp.11-21, 2014 (Scopus)
- XXXII. **Effects of zaprinst and rolipram on olfactory and visual memory in the social transmission of food preference and novel object recognition tests in mice 8 23 9 2014**  
Yıldız Akar F., Mutlu O., Komsuoğlu Celikyurt F. İ., Bektaş E., Mehmet Hanifi T., Ulak G., Erden B. F., Tanyeri P.  
Drug Target Insights, vol.8, pp.23-29, 2014 (Scopus)
- XXXIII. **The Antidepressant Agomelatine Improves Memory Deterioration and Upregulates CREB and BDNF Gene Expression Levels in Unpredictable Chronic Mild Stress UCMS Exposed Mice**  
GÜMÜŞLÜ K. E., MUTLU O., SÜNNETÇİ AKKOYUNLU D., ULAK G., KOMSUOĞLU ÇELİKİYURT F. İ., ÇİNE N., SAVLI H., ERDEN B. F.  
Drug Target Insights, 2014 (Scopus)



- XXXIV. **Deney Hayvanlarında Travmatik Stres Modelleri Konuk Yazar**  
MUTLU O.  
EMDR TürkiyeE-Bülteni, pp.12-14, 2013 (Non Peer-Reviewed Journal)
- XXXV. **Akılci ilaç kullanımı neden gereklidir ve akılci ilaç seçimi nasıl yapılmalıdır**  
Mutlu O., Erden B. F.  
Birinci Basamakta Akılci Antibiyotik Tedavisi, vol.1, pp.3-7, 2008 (Non Peer-Reviewed Journal)
- XXXVI. **Alkol ve madde bağımlılığı**  
Mutlu O., Erden B. F., Uzbay İ. T.  
Türkiye Klinikleri J Surg Med Sci, vol.2, pp.86-94, 2006 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Konnektom Farmakolojisi**  
Mutlu O., Uygun İ., Erden B. F.  
umuttepe yayımları, İstanbul, 2021
- II. **Kısım VI 33.Bölüm "Anemi Tedavisinde Kullanılan İlaçlar; Hematopoitik Büyüme Faktörleri**  
Mutlu O.  
in: . Basic and Clinical Pharmacology, ed:Katzung BG. (14thed Lange McGraw-Hill Comp.), Temel ve Klinik Farmakoloji (14.baskı) , ed:Katzung BG., Editor, Nobel Yayın Dağıtım, Ankara, pp.591-607, 2021
- III. **Doping farmakolojisi**  
Mutlu O., Kurtaş Ö., Meriç Bingül B., Erden B. F.  
CNR, Kocaeli, 2020
- IV. **Gebelik ve Emzirme Döneminde İlaç Etkileşimleri (Teratojen ve süte geçen)**  
Mutlu O.  
in: Gebelik ve Akciğer Hastalıkları. , Arzu Yorgancıoğlu,Fusun Topçu,Birsen Ocaklı, Editor, toraks kitapları, Ankara, pp.109-123, 2019
- V. **Klinik Farmakoloji Mizahi Biçimde Basitleştirilmiş**  
ERDEN B. F., MUTLU O., ÖZKAN Ö.  
Marmara Nobel tıp Kitabevleri, 2018
- VI. **Zekamıza dokunan ilaçlar.**  
ERDEN B. F., MUTLU O.  
Umuttepe Yayın, 2017
- VII. **33. Bölüm ?Anemilere Karşı Kullanılan İlaçlar; Hematopoitik Büyüme Faktörleri**  
MUTLU O., ULAK G.  
in: Katzung Temel ve Klinik Farmakoloji, ed:Katzung B, Masters SB, Trevor AJKatzung (Twelfth ed.), Editor, Nobel tıp Kitabevi, 2014
- VIII. **12. Bölüm: Antidepresanlar**  
MUTLU O.  
in: Stahl in Temel Psikofarmakolojisi Nörobilimsel ve pratik uygulamalar, Prof.Dr.İ.Tayfun Uzbay, Editor, İstanbul Tıp Kitabevi, pp.511-666, 2012
- IX. **New Approaches for the Therapy of Treatment Refractory Depression**  
Mutlu O., Ulak G., Komsuoğlu Çelikyurt F. İ., Yıldız Akar F., Erden B. F.  
in: Psychology, Gina Rossi, Editor, InTech Europe, www.intechopen.com, InTech open science/open minds, New York, pp.107-128, 2012
- X. **Chapter 7: New Approaches for the Therapy of Treatment Refractory Depression**  
Mutlu O., Ulak G., Komsuoğlu Çelikyurt F. İ., Yıldız Akar F., Erden B. F.  
in: Psychology selected papers, Gina Rossi, Editor, InTech Europe, New York, pp.107-128, 2012
- XI. **Serotonin norepinephrine reuptake inhibitors.**  
KOMSUSOĞLU ÇELİK YURT F. İ., MUTLU O., ULAK G.  
in: Effects of Antidepressants, Ru-Band Lu, Editor, InTech Europe, www.intechopen.com, InTech open science/open

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of rosemary extract on memory in the radial arm maze test in mice**  
Abuqaoud N. A., Yıldız Akar F., Mutlu O., Çobantürk P., Ormancı D., Demir F. N., Tanyeri P., Erden B. F.  
27.Ulusal,2. Uluslararası Farmakoloji Kongresi, Antalya, Turkey, 23 - 26 November 2023, pp.3-4
- II. **MK-801 İLE İNDÜKLENMİŞ ŞİZOFRENİ MODELİNDE ADİPOKİNETİK HORMON/KIRMIZI PİGMENT KONSANTRE EDİCİ HORMON PEPTİT AİLESİNİN NÖROKİMYASAL ETKİLERİ**  
Çobantürk P., Başarır Bozkurt Ş. N., Mutlu O., Rodrigez D. B., Kacer D., Muhametaj F., Tanyeri P., Erden B. F., Komsuoğlu Çelikyurt F. İ., Akar F., et al.  
27.Ulusal,2.Uluslararası Farmakoloji Kongresi, Antalya, Turkey, 23 - 26 November 2023, pp.14-15
- III. **Gebelik ve Akciğer Hastalıkları Kursu. Gebelik ve Emzirme Döneminde İlaç Etkileşimleri (Teratojen ve Süte Geçen).**  
Mutlu O.  
24.Yıllık Ulusal Toraks Kongresi, Antalya, Turkey, 17 - 21 November 2021, pp.5-6
- IV. **Selektif PDE-2 inhibitörü bay 60-7550, PDE-5 inhibitörü sildenafil ve PDE-9 inhibitörü PF-04447943'ün farelerde modifiye artı labirent testinde uzaysal bellek ve yeni obje tanıma testinde görsel bellek üzerine etkilerinin değerlendirilmesi**  
Mutlu O.  
26. Ulusal ve 1. Uluslararası Farmakoloji Kongresi, İstanbul, Turkey, 4 - 06 November 2021, pp.10
- V. **Adipokinetik Hormonun Farelerde Skopolaminle Oluşturulmuş Alzheimer Modelinde Öğrenme-Bellek Üzerine Etkisi**  
Mutlu O., Erden B. F.  
18. Ulusal sinirbilim kongresi, Ankara, Turkey, 6 - 09 November 2020, pp.199
- VI. **Effects of the adipokinetic hormone/red pigment-concentrating hormone (AKH/RPCH) family of peptides on rat schizophrenia models**  
Mutlu O.  
Pharma R&D-2020, California, United States Of America, 24 - 26 February 2020
- VII. **The effects of anax imperator adipokinetic hormone on the expression of brain-derived neurotrophic factor in a rat glioma cell line**  
Mutlu O., Köktürk S.  
14th Multinational congress on microscopy, Belgrade, Serbia, 15 - 20 September 2019, pp.100
- VIII. **Effects of adipokinetic hormone/red pigment-concentrating hormone family of peptides on MK-801 induced schizophrenia models in rats**  
MUTLU O., Palenicek T., Pinterova N., Sichova K., Horacek J., Holubova K., Hoschl C., Stuchlik A., Erden F., Vales K.  
31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29
- IX. **Antidepressant effect of adipokinetic hormone/red pigment-concentrating hormone family of peptides in olfactory bulbectomy model of rats**  
MUTLU O., Kleteckova L., Horacek J., Holubova K., Palenicek T., ULAK G., Hoschl C., Vales K.  
31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29
- X. **Different effects of adipokinetic hormone/red pigment-concentrating hormone family of peptides in posttraumatic stress disorder model of rats.**  
MUTLU O., CERİT C., Pinterova N., Horacek J., YILDIZ AKAR F., Palanicek T., Hölsch C., Vales K.  
31th ECNP Congress, Barcelona, Spain, 6 - 09 October 2018
- XI. **Effects of the adipokinetic hormone/red pigment-concentrating hormone (AKH/RPCH) family of peptides on MK-801-induced schizophrenia models in rats**  
MUTLU O., Palanicek T., Pinterova N., Sichova K., Horacek J., Holubova K., Hölsch C., Stuchlich A., ERDEN B. F., Vales

K.

31th ECNP Congress, Barcelona, Spain, 6 - 09 October 2018

- XII. **Effects of asenapine and paliperidone on cognition and locomotion: altered gen expression levels of BDNF and CREB in the hippocampus of mice**  
Gumuslu E., MUTLU O., ULAK G., Akar F., Erden F.  
50th European-Society-of-Human-Genetics (ESHG) Conference, Copenhagen, Denmark, 27 - 30 May 2017, vol.26, pp.367-368
- XIII. **Effects of adipokinetic hormone/red pigment concentrating hormone (AKH/RPCH) family of peptides for uterus contraction.**  
ULAK G., MUTLU O., TANYERİ P., AKDEMİR N., BÜYÜKOKUROĞLU M. E., YILDIZ AKAR F., ERDEN B. F.  
18th World Congress of Basic and Clinical Pharmacology, Kyoto, Japan, 1 - 06 July 2018
- XIV. **Effects of asenapine and paliperidon on depression, anxiety and analgesy in mice: Alterations in brain neurotrophic factors, neurogenesis and blood enzyme levels.**  
ULAK G., GÜMÜŞLÜ K. E., MUTLU O., KÖKTÜRK S., YILDIZ AKAR F., ERDEN B. F.  
18th World Congress of Basic and Clinical Pharmacology., Kyoto, Japan, 1 - 06 July 2018
- XV. **Effects of long-term treatment with haloperidol and olanzapine on micedetrusor muscle**  
TANYERİ h., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
10th International Congress on Psychopharmacology 6th International Symposium on Child and Adolescent Psychopharmacology, 25 - 29 April 2018
- XVI. **Chronic effects of second-generation antipsychotics on mice isolated detrusor smooth muscle.**  
Tanyeri M. H., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
10th International Congress on Psychopharmacology 6th International Symposium on Child and Adolescent Psychopharmacology., Antalya, Turkey, 25 - 29 April 2018, pp.38-39
- XVII. **SELEKTİF PDE-2, PDE-5 VE PDE-9 İNHİBİTÖRLERİNİN YİYECEK TERCİHİNİN SOSYAL GEÇİŞİ TESTİNDE KOKU BELLEĞİ ÜZERİNE VE PASİF SAKINMA TESTİNDE EMOSYONEL BELLEK ÜZERİNE ETKİLERİ.**  
YILDIZ AKAR F., ERDEN B. F., BEKTAŞ E., MUTLU O., ULAK G.  
Ulusal Farmakoloji Kongresi. 17-20 Ekim 2017, Turkey, 17 - 20 October 2017, vol.10
- XVIII. **Effects of long-term treatment with risperidone and clozapine on mice isolated detrusor smooth muscle**  
Tanyeri M. H., Buyukokuroglu M. E., Tanyeri P., Mutlu O., Akar F., Ulak G., Erden B. F.  
30th Congress of the European-College-of-Neuropsychopharmacology (ECNP), Paris, France, 2 - 05 September 2017, vol.27
- XIX. **Effects of Adipokinetic Hormone/Red Pigment-concentrating Hormone (AKH/RPCH) Family of Peptides in Mice.**  
MUTLU O.  
BIT's 15th Annual Congress of International Drug Discovery Science and Technology-2017, 25 - 27 July 2017
- XX. **Effects of selective PDE-2 inhibitor BAY60-7550, PDE-5 inhibitor Sildenafil and PDE-9 inhibitor PF-04447943 on learning and memory in the passive avoidance test in naive mice.**  
ULAK G., BEKTAŞ E., YILDIZ AKAR F., MUTLU O., ERDEN B. F.  
8th World Congress on Pharmacology and Toxicology., 24 - 25 July 2017
- XXI. **Effects of selective PDE-2 inhibitor BAY60-7550 and PDE-9 inhibitor PF-04447943 on olfactory memory in Social Transmission of Food Preference (STFP) test naive mice.**  
YILDIZ AKAR F., BEKTAŞ E., MUTLU O., ULAK G., ERDEN B. F.  
8th World Congress on Pharmacology and Toxicology., 24 - 25 July 2017
- XXII. **Effects of asenapine and paliperidon on cognition, locomotion: Altered gen expression levels of BDNF and CREB in the hippocampus of mice.**  
GÜMÜŞLÜ K. E., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F., TANYERİ P.  
European Human Genetics Conference 2017, 27 - 30 May 2017
- XXIII. **Isoproterenol-mediated relaxation of carbachol precontracted mouse detrusor smooth muscle**  
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4th Baltic Meeting in conjunction with the EAU, Vilnius, Lithuania, 26 - 27 May 2017

- XXIV. **Chronic effect of atypical antipsychotic drug blonanserine on vas deferens contraction in mice.**  
TANYERİ M. H., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
4th Baltic Meeting in conjunction with the EAU, 26 - 27 May 2017
- XXV. **Isoproteronol-mediated relaxation of carbachol-pre-contracted mouse detrusor smooth muscle.**  
TANYERİ M. H., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
4th Baltic Meeting in conjunction with the EAU, 26 - 27 May 2017
- XXVI. **Effects of asenapine and paliperidone on cognition and locomotion: altered gen expression levels of BDNF and CREB in the hippocampus of mice**  
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European Conference of Human Genetics (ESHG), 27 - 30 May 2017
- XXVII. **Ratlarde deneysel monooküler deprivasyon ambliyopisi modelinde, intraperitoneal olarak uygulanan Rolipramın görme, uzaysal ve görsel bellek üzerindeki davranışsal ve vizüel kortikal plastisite üzerindeki biyokimyasal etkisi.**  
ÇELİK O. S., ALTINTAŞ Ö., ERALDEMİR F. C., MUTLU O., KUM T.  
50. Ulusal Oftalmoloji Kongresi, Turkey, 9 - 13 November 2016
- XXVIII. **Effects of iloperidon and nemonaprid on depression anxiety like behaviour and locomotion Altered gen expression levels of FGF2 synapsin and NGF in the hippocampus of mice**  
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CINP Word Congress, Seul, South Korea, 3 - 05 July 2016, vol.19, pp.206
- XXIX. **Haloperidol exerts depression like behaviour in the forced swimming test while it has anxiolytic like and analgesic effects in the elevated plus maze and hot plate tests Altered gen expression levels of FGF2 synapsin and NGF in the hippocampus of mice**  
ULAK G., GÜMÜŞLÜ K. E., MUTLU O., KOMSUOĞLU ÇELİK YURT F. İ., YILDIZ AKAR F., ERDEN B. F.  
The International College of Neuropsychopharmacology 2016 World Congress, 03 July 2016
- XXX. **Effects of iloperidon and nemonaprid on depression anxiety like behaviour and locomotion Altered gen expression levels of FGF2 synapsin and NGF in the hippocampus of mice**  
MUTLU O., GÜMÜŞLÜ K. E., ULAK G., YILDIZ AKAR F., ERDEN B. F., KOMSUOĞLU ÇELİK YURT F. İ., TANYERİ P.  
The International College of Neuropsychopharmacology 2016 World Congress, 03 July 2016
- XXXI. **Effects of olanzapine clozapine risperidone and sertindole on FGF2 synapsin and NGF expression in the hippocampus of naive mice**  
ULAK G., GÜMÜŞLÜ K. E., MUTLU O., KOMSUOĞLU ÇELİK YURT F. İ., YILDIZ AKAR F., ERDEN B. F.  
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- XXXII. **Effects of desipramine venlafaxine and bupropion on depression and anxiety in the forced swimming test and elevated plus maze test in mice**  
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- XXXIII. **The effects of chronic treatment with haloperidol clozapine and aripiprazole on mice isolated vas deferens**  
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- XXXIV. **Effects of retigabine and lacosamide on acquisition and retrieval of memory in naïve mice P122 pg 400 26 30 June**  
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7th European Congress of Pharmacology (EPHAR), 26 - 30 June 2016
- XXXV. **The influence of risperidone and olanzepine on vas deferens in mice**  
tanyeri m. h., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
7th European Congress of Pharmacology (EPHAR), İstanbul, Turkey, 26 - 30 June 2016, pp.362
- XXXVI. **The influence of atypic antipsychotic drugs on vas deferens in mice**  
Tanyeri M. H., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
DIA 2016 52nd Annual Meeting Call for Professional Posters, United States Of America, 26 - 30 June 2016

- XXXVII. **Chronic effects of antipsychotics on vas deferens contractions in mice**  
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7th European Congress of Pharmacology (EPHAR), 26 - 30 June 2016, pp.396
- XXXIX. **Chronic effects of atypic antipsychotics on vas deferens contractions in mice**  
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- XL. **Effects of long term treatment with paliperidone iloperidone and loxapine on mice isolated vas deferens**  
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- XLI. **Comparison of the effects of three different PDE inhibitors Sildenafil BAY60 7550 and PF 04447943 on fear memory in the fear conditioning test in mice**  
BEKTAŞ E., YILDIZ AKAR F., MUTLU O., ULAK G., ERDEN B. F.  
7th European Congress of Pharmacology, 26 - 30 June 2016
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GÜMÜŞLÜ K. E., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F., KOMSUOĞLU ÇELİKİYURT F. İ., TANYERİ P.  
7th European Congress of Pharmacology, 26 June 2016
- XLIII. **The influence of atipic antipsychotic drugs on vas deferens in mice**  
Tanyeri M. H., BÜYÜKOKUROĞLU M. E., TANYERİ P., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
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- XLIV. **Effects of Retigabine and Lacosamide on acquisition and retrieval of memory in naive mice**  
Hüseynova L., KOMSUOĞLU ÇELİKİYURT F. İ., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
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- XLV. **Effects of selective PDE 2 inhibitor BAY60 7550 PDE 5 inhibitor Sildenafil and PDE 9 inhibitor PF 04447943 on learning and memory in the morris water maze test in naive mice**  
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- XLIX. **Haloperidol exerts depression-like behaviour in the forced swimming test while it has anxiolytic-like and analgesic effects in the elevated plus maze and hot plate tests: Altered gen expression levels of FGF2, synapsin and NGF in the hippocampus of mice.**  
ULAK G., GUMUSLU E., MUTLU O., ERTAN M., Celikyurt I. K., AKAR F., ERDEN F.  
30th Seoul World Congress of the International-College-of-Neuropsychopharmacology (CINP), Seoul, South Korea, 3 - 07 July 2016, vol.19, pp.207
- L. **Effects of iloperidon and nemonaprid on depression, anxiety-like behaviour and locomotion: Altered**

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- LI. **Effects of chronic haloperidol clozapine and aripiprazol treatment on mice isolated vas deferens**  
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8th International Congress on Psychopharmacology, Antalya, Turkey, 20 - 24 April 2016
- LII. **Effects of amibegron on learning and memory in naive and MK 801 injected mice in the elevated plus maze and passive avoidance tests**  
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.8th International Congress on Psychopharmacology, Antalya, Turkey, 20 - 24 April 2016
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- LIV. **Quetiapine and aripiprazole upregulate FGF2 Synapsin and NGF expression in the hippocampus of naive mice**  
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EBBS-EBPS joint meeting, 12 - 15 September 2015
- LV. **Effects of atypical antipsychotics on depression anxiety like behaviour and pain**  
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23.ULUSAL FARMAKOLOJİ KONGRESİ, Turkey, 7 - 10 September 2015
- LVIII. **Effects of quetiapine and aripiprazole on memory depression and anxiety in mice altered gen expression levels in the hippocampus of mice**  
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- LX. **Effects of atypical antipsychotics on emotional memory and locomotion: altered gene expression levels of BDNF and CREB in the hippocampus of mice**  
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- LXII. **Effect of ODQ on BDNF immunohistochemistry staining in mice**  
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EBBS-EBPS European beh pharm soc, 12 - 15 September 2015

- LXIII. **Effects of acutely administered adipokinetic hormone in depression anxiety and pain**  
MUTLU O., ULAK G., KOMSUOĞLU ÇELİK YURT F. İ., YILDIZ AKAR F., ERDEN B. F., TANYERİ P.  
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27th Congress of the European-College-of-Neuropsychopharmacology (ECNP), Berlin, Germany, 18 - 21 October 2014, vol.24
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29. Türk Kardiyoloji Kongresi, Antalya, Turkey, 26 - 29 October 2013

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46. Drug Information Association, Boston, Boston, United States Of America, 13 - 17 June 2013

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10. Ulusal Tıbbi Genetik Kongresi, Turkey, 19 - 23 December 2012

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10. Ulusal Tıbbi Genetik Kongresi, Bursa, Turkey, 19 - 23 December 2012

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48. Ulusal Psikiyatri Kongresi, Bursa, Turkey, 9 October - 13 December 2012



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MUTLU O., ULAK G., KOMSUOĞLU ÇELİKYURT F. İ., YILDIZ AKAR F., ERDEN B. F., DEMİRTAŞ ŞAHİN T.  
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- XCIV. **Tianeptin ve olanzepinin öngörülemez kronik hafif stres uygulanan farelerde öğrenme ve bellek üzerine etkileri.**  
MUTLU O., SÜNNETÇİ AKKOYUNLU D., GÜMÜŞLÜ K. E., KOMSUOĞLU ÇELİKYURT F. İ., ÇİNE N., SAVLI H., ULAK G.  
21.Ulusal Farmakoloji Kongresi, 19 October 2011
- XCV. **7 Nitroindazol ve ODQ nun farelerde Morris su labirenti pasif sakinme yükseltilmiş artı labirent ve ışinsal kollu labirent testlerinde öğrenme ve bellek üzerine etkileri**  
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KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., BEKTAŞ E., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
21. Ulusal Farmakoloji Kongresi, Eskişehir, Turkey, 19 - 22 October 2011
- XCVII. **Tianeptin ve olanzapinin öngörülemez kronik hafif stresle indüklenen depresyon üzerine etkileri**  
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21. Ulusal Farmakoloji Kongresi, Eskişehir, Turkey, 19 - 22 October 2011
- XCVIII. **Tianeptin ve olanzapinin öngörülemez kronik hafif stres uygulanan farelerde öğrenme ve bellek üzerine etkileri**  
MUTLU O., SÜNNETÇİ AKKOYUNLU D., GÜMÜŞLÜ K. E., KOMSUOĞLU ÇELİKYURT F. İ., ÇİNE N., SAVLI H., ULAK G.  
21. Ulusal Farmakoloji Kongresi, Eskişehir, Turkey, 19 - 22 October 2011
- XCIX. **Rolipramın farelerde yükseltilmiş artı labirent ve yeni obje tanıma testlerinde öğrenme ve bellek üzerine etkileri**  
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21. Ulusal Farmakoloji Kongresi, Eskişehir, Turkey, 19 - 22 October 2011
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MUTLU O., KOMSUDOĞLU ÇELİKYURT F. İ., YILDIZ AKAR F., ULAK G., ERDEN B. F.

21. Ulusal Farmakoloji Kongresi, Eskişehir, Turkey, 19 - 22 October 2011

- CI. **An atypical antidepressant tianeptine prevents unpredictable chronic mild stress induced depressive effects in mice**  
MUTLU O., KOMSUDOĞLU ÇELİKYURT F. İ., GÜMÜŞLÜ K. E., YILDIZ AKAR F., ERDEN B. F., ULAK G.  
The Journal of the European College of Neuropsychopharmacology, 24th ECNP Congress, Paris, France, 3 - 07 September 2011, pp.402
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- CIII. **Disturbing effects of spatial memory by the soluble guanylate cyclase inhibitor ODQ and the nNOS inhibitor 7 NI in the modified elevated plus maze test**  
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24th ECNP Congress, Paris, France, 3 - 07 September 2011
- CV. **Disturbing effects of spatial memory by ODQ and 7 NI in the modified elevated plus maze test**  
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24th ECNP Congress, Paris, France, 3 - 07 September 2011
- CVI. **An atypical antidepressant tianeptine prevents unpredictable chronic mild stress induced depressive effects in mice**  
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24th ECNP Congress, Paris, France, 3 - 07 September 2011
- CVII. **Effects of zaprinast and rolipram on spatial memory in the radial arm maze test in mice**  
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24th ECNP Congress, Paris, France, 3 - 07 September 2011
- CVIII. **Enhancement of cognitive performance by gabapentin in Morris water maze, elevated plus maze and passive avoidance tasks in naive mice**  
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- CIX. **The investigation of the molecular effects of zaprinast and ODQ, a guanylate cyclase inhibitor, on rat brain by Fourier transform mid-infrared spectroscopy**  
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Celikyurt I. K., ULAK G., AKAR F., MUTLU O., MÜLAYİM S., ERDEN F.  
24th Congress Meeting of European-College-of-Neuropsychopharmacology, Paris, France, 3 - 07 September 2011, vol.21
- CXI. **Effects of zaprinast and rolipram on olfactory memory in the social transmission of food preference test in mice European behavioural pharmacological society**  
MUTLU O., YILDIZ AKAR F., KOMSUDOĞLU ÇELİKYURT F. İ., ULAK G., ERDEN B. F.  
14TH EBPS Meeting, Amsterdam, Netherlands, 26 - 29 August 2011
- CXII. **Effects of zaprinast ODQ and 7 NI on locomotion and anxiety in the open field test in mice**  
MUTLU O., YILDIZ AKAR F., KOMSUDOĞLU ÇELİKYURT F. İ., ULAK G., ERDEN B. F.  
14TH EBPS Meeting, Amsterdam, Netherlands, 26 - 29 August 2011
- CXIII. **Effects of 7 NI and ODQ on visual memory in the novel object recognition test in mice**

- MUTLU O., YILDIZ AKAR F., KOMSUDOĞLU ÇELİK YURT F. İ., ULAK G., ERDEN B. F.  
14TH EBPS Meeting, Amsterdam, Netherlands, 26 - 29 August 2011
- CXIV. **Effects of zaprinast rolipram ODQ and 7 NI on exploratory activity in mice**  
MUTLU O., YILDIZ AKAR F., KOMSUDOĞLU ÇELİK YURT F. İ., ULAK G., ERDEN B. F.  
14TH EBPS Meeting, Amsterdam, Netherlands, 26 - 29 August 2011
- CXV. **EFFECTS OF ZAPRINAST, ROLIPRAM, ODQ AND 7-NI ON EXPLORATORY ACTIVITY IN MICE**  
MUTLU O., AKAR F., Celikyurt I. K., ULAK G., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXVI. **THE REVERSAL OF 7-NI-INDUCED MOLECULAR EFFECTS BY L-ARG IN RAT BRAIN IS SUPPORTED BY FTIR SPECTROSCOPY**  
MUTLU O., TURKER S., Celikyurt I. K., GUMUSLU E., AKAR F., ULAK G., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXVII. **EFFECTS OF OLANZAPINE AND FLUOXETINE ON UNPREDICTABLE CHRONIC MILD STRESS-INDUCED COGNITION DETERIORATION IN MICE**  
MUTLU O., ULAK G., Celikyurt I. K., AKAR F., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXVIII. **EFFECTS OF 7-NI AND ODQ ON EMOTIONAL MEMORY IN THE PASSIVE AVOIDANCE TEST IN MICE**  
MUTLU O., AKAR F., ULAK G., Celikyurt I. K., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXIX. **EFFECTS OF 7-NI AND ODQ ON VISUAL MEMORY IN THE NOVEL OBJECT RECOGNITION TEST IN MICE**  
MUTLU O., AKAR F., Celikyurt I. K., ULAK G., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXX. **EFFECTS OF ZAPRINAST AND ROLIPRAM ON OLFACTORY MEMORY IN THE SOCIAL TRANSMISSION OF FOOD PREFERENCE TEST IN MICE**  
MUTLU O., AKAR F., Celikyurt I. K., ULAK G., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXXI. **EFFECTS OF ZAPRINAST ON SPATIAL AND VISUAL MEMORY IN THE ELEVATED PLUS MAZE AND NOVEL OBJECT RECOGNITION TESTS IN MICE**  
MUTLU O., ULAK G., Celikyurt I. K., AKAR F., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXXII. **EFFECTS OF ZAPRINAST, ODQ AND 7-NI ON LOCOMOTION AND ANXIETY IN THE OPEN FIELD TEST IN MICE**  
MUTLU O., AKAR F., Celikyurt I. K., ULAK G., ERDEN F.  
14th Biennial Meeting of the European-Behavioural-Pharmacology-Society, Amsterdam, Netherlands, 26 - 29 August 2011, vol.22
- CXXIII. **Lamotrigine ameliorates learning and memory in morris water maze modified elevated plus maze and passive avoidance tests in naive mice**  
KOMSUOĞLU ÇELİK YURT F. İ., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
10th World Congress of Biological Psychiatry, Prag, Czech Republic, 29 May - 03 June 2011
- CXXIV. **Olanzapine prevents unpredictable chronic mild stress induced depressive effects in mice**  
MUTLU O., GÜMÜŞLÜ K. E., KOMSUOĞLU ÇELİK YURT F. İ., ERDEN B. F., YILDIZ AKAR F., ULAK G.  
10th World Congress of Biological Psychiatry, Prag, Czech Republic, 29 May - 03 June 2011
- CXXV. **A Promising Study to Investigate Mechanism of Action of Tianeptine on UCMS An FTIR Study**  
MUTLU O., TÜRKER KAYA S., KOMSUOĞLU ÇELİK YURT F. İ., GÜMÜŞLÜ K. E., YILDIZ AKAR F., ERDEN B. F., ULAK G.

- 10th World Congress of Biological Psychiatry, Prag, Czech Republic, 29 May - 03 June 2011
- CXXXVI. **Effects of zaprinast on learning and memory in the Morris water maze and passive avoidance tests in naive mice**  
KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
10th World Congress of Biological Psychiatry, Prag, Czech Republic, 29 May - 03 June 2011
- CXXXVII. **Effects of tianeptine and fluoxetine on unpredictable chronic mild stress induced cognition deterioration in mice**  
MUTLU O., KOMSUOĞLU ÇELİKYURT F. İ., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
10th World Congress of Biological Psychiatry, Prag, Czech Republic, 29 May - 03 June 2011
- CXXXVIII. **Disturbing effects of spatial memory by ODQ and 7 NI in the Morris water maze test**  
MUTLU O., YILDIZ AKAR F., KOMSUOĞLU ÇELİKYURT F. İ., ULAK G., ERDEN B. F.  
10th World Congress of Biological Psychiatry, Prag, Czech Republic, 29 May - 03 June 2011
- CXXXIX. **7 NI ve ODQ nun farelerde yiyecek tercihinin sosyal geçişi testinde kokusal bellek üzerine etkileri**  
MUTLU O., YILDIZ AKAR F., KOMSUOĞLU ÇELİKYURT F. İ., ULAK G., ERDEN B. F.  
10. Ulusal Sinir Bilimleri Kongresi, İstanbul, Turkey, 9 - 12 April 2011
- CXXX. **7 NI ve ODQ nun farelerde ışınal kollu labirent testinde uzaysal bellek üzerine etkileri**  
KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
10. Ulusal Sinir Bilimleri Kongresi, İstanbul, Turkey, 9 - 12 April 2011
- CXXXI. **Effects of olanzapine on structure and function of brain tissue biomolecules during unpredictable chronic mild stress an Fourier transform mid infrared spectroscopic study**  
KOMSUOĞLU ÇELİKYURT F. İ., GÜMÜŞLÜ K. E., TÜRKER KAYA S., MUTLU O., YILDIZ AKAR F., ERDEN B. F.  
23rd ECNP Congress, Amsterdam, Netherlands, 28 August - 01 September 2010
- CXXXII. **The effects of olanzapine in unpredictable chronic mild stress model an FTIR spectroscopic study**  
Komsuoğlu İ., Gumuslu E., Türker S., Mutlu O., Yıldız F., Erden F.  
23. Congress Meeting of European College of Neuropsychopharmacology, Netherlands, 28 August 2010, vol.3, pp.499
- CXXXIII. **Effects of resveratrol on scopolamine and mecamlamine induced memory impairment in rats**  
GACAR N., UTKAN T., MUTLU O., Goecmez S. S., Celikyurt I. K., ULAK G.  
23rd Congress Meeting of European-College-of-Neuropsychopharmacology, Amsterdam, Netherlands, 28 August - 01 September 2010, vol.20
- CXXXIV. **Effects of clozapine and olanzapine on acquisition consolidation and retention of memory in elevated plus maze test in mice**  
MUTLU O., ULAK G., KOMSUOĞLU ÇELİKYURT F. İ., YILDIZ AKAR F., ERDEN B. F.  
16th World Pharmacology Congress (IUPHAR), Kopenhag, 17 - 23 July 2010
- CXXXV. **Effect of 2 Iminobiotin and N Omega Propyl L Arginine on learning and memory in rats**  
UTKAN T., GÖÇMEZ S. S., KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., GACAR M. N., FEYZA A.  
16th World Pharmacology Congress (IUPHAR), Kopenhag, 17 - 23 July 2010
- CXXXVI. **Effects of risperidone on learning and memory in the Morris water maze and in passive avoidance tests in rats**  
KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
16th World Pharmacology Congress (IUPHAR), Kopenhag, 17 - 23 July 2010
- CXXXVII. **The effect of resveratrol on ileal smooth muscle functional investigation in a rat sepsis model**  
Gacar M. N., Göçmez S. S., Gacar G., Komsuoğlu Çelikyurt F. İ., Mutlu O., Utkan T.  
16th World Pharmacology Congress (IUPHAR), Kobenhavn, Denmark, 17 - 23 July 2010
- CXXXVIII. **Effects of resveratrol on learning and memory in rats**  
Gacar M. N., Mutlu O., Utkan T., Komsuoğlu Çelikyurt F. İ., Göçmez S. S., Ulak G.  
16th World Pharmacology Congress (IUPHAR), Kobenhavn, Denmark, 17 - 23 July 2010
- CXXXIX. **Wag Rij Sıçanlarda Lamotrijinin Ön Uyararı Aracılı İnhibisyon Üzerine Etkisi**  
KOMSUOĞLU ÇELİKYURT F. İ., MUTLU O., YILDIZ AKAR F., ERDEN B. F., ULAK G.  
9. Ulusal Sinir Bilimleri Kongresi, İstanbul, Turkey, 13 - 17 April 2010
- CXL. **Investigation of effects of fluoxetine on UCMS induced changes of brain tissue by FTIR spectroscopy**

Turker S., Mutlu O., Komsuoğlu İ., Gumuslu E., Yıldız F., Erden F.

23. Congress Meeting of European College of Neuropsychopharmacology, Germany, 28 August 2010, vol.20, pp.531-532

- CXLI. **Investigation of effects of fluoxetine on unpredictable chronic mild stress induced changes of brain tissue by Fourier transform mid infrared spectroscopy**  
TÜRKER KAYA S., MUTLU O., KOMSULOĞLU ÇELİK YURT F. İ., GÜMÜŞLÜ K. E., YILDIZ AKAR F., ERDEN B. F.  
23rd ECNP Congress, Amsterdam, Netherlands, 28 August - 01 September 2010
- CXLII. **Sertindol ve Klozapinin farelerde Morris su labirenti testinde öğrenme ve bellek üzerine etkileri**  
MUTLU O., KOMSULOĞLU ÇELİK YURT F. İ., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
20. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2009
- CXLIII. **Risperidonun yükseltilmiş artı labirent testinde bilişsel işlevler üzerine etkileri**  
KOMSULOĞLU ÇELİK YURT F. İ., MUTLU O., YILDIZ AKAR F., ULAK G., ERDEN B. F.  
20. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2009
- CXLIV. **Effects of olanzapine and sertindole on MK 801 induced visual memory deficit in mice**  
MUTLU O., KOMSULOĞLU ÇELİK YURT F. İ., ULAK G., ERDEN B. F., YILDIZ AKAR F.  
22th ECNP Congress, İstanbul, Turkey, 12 September 2009 - 16 September 2010
- CXLV. **Effect of olanzapine on MK 801 induced impairment of memory in the radial arm maze test in mice**  
KOMSULOĞLU ÇELİK YURT F. İ., MUTLU O., ULAK G., YILDIZ AKAR F., ERDEN B. F.  
22th ECNP Congress, İstanbul, Turkey, 12 - 16 September 2009
- CXLVI. **Effects of sertindole on MK 801 induced impairment of memory in radial arm maze test**  
KOMSULOĞLU ÇELİK YURT F. İ., MUTLU O., ULAK G., ERDEN B. F.  
9th World Congress of Biological Psychiatry, Paris, France, 28 June - 02 July 2009
- CXLVII. **Effects of olanzapine on learning and memory functions in mice**  
KOMSULOĞLU ÇELİK YURT F. İ., MUTLU O., ULAK G., ERDEN B. F.  
Drugs and the brain:an update in psychopharmacology, Euron Workshop, Braga, Portugal, 9 - 13 February 2009
- CXLVIII. **Effects of 1 2 Trifluoromethylphenyl imidazole TRIM on learning and memory in mice**  
MUTLU O., KOMSULOĞLU ÇELİK YURT F. İ., ULAK G., BELZUNG C.  
Drugs and the brain:an update in psychopharmacology, Euron Workshop, Braga, Portugal, 9 - 13 February 2009
- CXLIX. **The role of the serotonergic system in the antidepressant like effect of TRIM in the rat forced swimming test**  
TANYERİ P., MUTLU O., YILDIZ AKAR F., KOMSULOĞLU ÇELİK YURT F. İ., ULAK G.  
EPHAR 2008, Manchester, United Kingdom, 13 - 17 July 2008
- CL. **Effect of 7 nitroindazole on working memory of rats in three panel runway test**  
YILDIZ AKAR F., KOMSULOĞLU ÇELİK YURT F. İ., MUTLU O., ULAK G.  
EPHAR 2008, Manchester, United Kingdom, 13 - 17 July 2008
- CLI. **The effect of the neuronal and inducible nitric oxide synthase inhibitor TRIM on depression in the unpredictable chronic mild stress model**  
MUTLU O., ULAK G., CATHERINE B., LAUGERAY A.  
EPHAR 2008, Manchester, United Kingdom, 13 - 17 July 2008
- CLII. **5 HT1 and 5 HT2 receptors are involved in the anxiolytic like effects of TRIM in the rat**  
TANYERİ P., MUTLU O., YILDIZ AKAR F., ERDEN B. F., ULAK G.  
EPHAR 2008, Manchester, United Kingdom, 13 - 17 July 2008
- CLIII. **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., Komsuoglu F. İ., Erden F., UTKAN T., Gacar N.  
12th Biennial Meeting of the European-Pharmacology-Society, Tübingen, Germany, 31 August - 03 September 2007, vol.18
- CLIV. **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., KOMSULOĞLU ÇELİK YURT F. İ., ERDEN B. F., UTKAN T., GACAR M. N.  
12th Biennial meeting of the European Behavioural Pharmacology Society, Tübingen, Germany, 31 August - 03

September 2007

- CLV. 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.  
12th Biennial meeting of the European Behavioural Pharmacology Society, Tubingen, Germany, 31 August - 03 September 2007
- CLVI. 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, Germany, 31 August - 03 September 2007
- CLVII. Effect of 7 Nitroindazole on memory retrieval in mice**  
MUTLU O., ULAK G., BELZUNG C.  
12th Biennial meeting of the European Behavioural Pharmacology Society, Tubingen, Germany, 31 August - 03 September 2007
- CLVIII. 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, Germany, 31 August - 03 September 2007
- CLIX. Effect of memantine on morphine psychal dependence in acute naloxone precipitated withdrawal**  
Aricioğlu F., Göçmez S. S., Mutlu O., Utkan T.  
XVth World Congress of Pharmacology, Beijing, China, 2 - 07 July 2006
- CLX. 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.  
18.Ulusal Farmakoloji Kongresi, İzmir, Turkey, 28 September - 01 October 2005
- CLXI. Morfin bağımlı izole kobay ileumunda Naloksanla oluşturulan yoksunluğa Norharmanın etkisi**  
Göçmez S. S., Mutlu O., Feyza A., Utkan T.  
18.Ulusal Farmakoloji Kongresi, İzmir, Turkey, 28 September - 01 October 2005

## Expert Reports

- 27/12/2019 tarihli, 10660016/1368 sayılı yazıya istinaden "Deniz Tuna GAYRET" hakkında Bilirkişi Raporu**  
Mutlu O.  
Kocaeli Üniversitesi Tıp Fakültesi Hastanesi, pp.1, Kocaeli, 2019

## Supported Projects

- ERDEN B. F., KOMSUOĞLU ÇELİKYURT F. İ., COBANTÜRK P., YILDIZ AKAR F., MUTLU O., Project Supported by Higher Education Institutions, Duloksetinin farelerde depresyon,anksiyete,ağrı,öğrenme-bellek ve lokomosyon üzerine etkileri, 2023 - Continues
- MUTLU O., Project Supported by Higher Education Institutions, Adipokinetik Hormonunun Farelerde Skopolaminle Oluşturulmuş Alzheimer Modelinde Öğrenme-Bellek Üzerine Etkisi, 2019 - 2019
- MUTLU O., Project Supported by Higher Education Institutions, Atipik ve yeni nesil antipsikotik ilaçların depresyon, anksiyete, ağrı üzerine etkileri; bu etkilerde rol oynayan moleküler faktörler (hipokampal nörotrofik faktörler olan BDNF, CREB, NGF, FGF2, FGF9, ve SYNAPSIN1 gen ekspresyonu)?in incelenmesi ve hücre yapısındaki değişikliklerin FTIR düzeyinde araştırılması, 2014 - 2016
- Komsuoğlu Çelikyurt F. İ., Mutlu O., Project Supported by Higher Education Institutions, Glukagon benzeri peptid 1 GLP 1 analoglarının bilişsel fonksiyonlar üzerine etkilerinin etkilerinin araştırılması ve bu etkilerin gen ekspresyonu ve FTIR ile moleküler düzeyde incelenmesi, 2011 - 2013

Ulak G., Mutlu O., Project Supported by Higher Education Institutions, Antidepresan Agomelatin in kronik stresin neden olduğu bellek bozukluğu üzerine etkilerinin araştırılması, 2011 - 2013

Komsuoğlu Çelikyurt F. İ., Mutlu O., Project Supported by Higher Education Institutions, Lamotrijin levitirasetam gabapentin gibi yeni nesil antiepileptik ilaçların öğrenme ve bellek üzerine etkileri, 2010 - 2012

Komsuoğlu Çelikyurt F. İ., Mutlu O., Project Supported by Higher Education Institutions, Risperidonun sıçanlarda artı labirent pasif sakınma gibi testlerde öğrenme ve bellek üzerine etkilerinin araştırılması, 2010 - 2011

Mutlu O., Project Supported by Higher Education Institutions, Resveratrol ün sıçanlarda öğrenme bellek üzerine etkileri, 2009 - 2011

Mutlu O., Project Supported by Higher Education Institutions, Atipik antipsikotik ilaç ve antidepresan ilaçların öngörülemeyen kronik stres uygulanan veya hipokampal hasar oluşturulan farelerde depresyon ve bilişsel işlevler üzerine etkileri ve bu etkide rol oynayan nöromediatör ve moleküler faktörler, 2009 - 2011

Komsuoğlu Çelikyurt F. İ., Mutlu O., Project Supported by Higher Education Institutions, Lamotrijinin absans epilepside oluşan önuyaran aracılı inhibisyon üzerine etkisi, 2009 - 2010

Ulak G., Mutlu O., Project Supported by Higher Education Institutions, Atipik antipsikotik ilaçların su labirenti ışınsal kolları labirent ve yeni obje tanıma testlerinde öğrenme ve bellek üzerine etkileri, 2008 - 2010

Ulak G., Mutlu O., Project Supported by Higher Education Institutions, Sitalopramın üç panelli pist ve pasif sakınma testinde öğrenme bellek üzerindeki etkilerinin araştırılması, 2007 - 2009

Mutlu O., Project Supported by Higher Education Institutions, Nöronal nitrik oksid sentaz inhibitörü 1 2 Trifluoromethylphenyl imidazole TRIM ün farelerde öğrenme bellek üzerine etkileri, 2007 - 2009

Tanyeri P., Mutlu O., Project Supported by Higher Education Institutions, Nöronal NOS inhibitörü 1 2 Trifluoromethylphenyl imidazol TRIM ün sıçanlarda depresyon ve anksiyete üzerine etkileri, 2006 - 2008

## Patent

Mutlu O., Köktürk S., ADİPOKİNETİK HORMON/KIRMIZI PİGMENT-KONSANTRE EDİCİ HORMON (AKH/RPCH) PEPTİT AİLESİNİN NÖROJENEZ ARTTIRMA VE NÖRODEJENERASYONU ÖNLEMEDE KULLANIMI, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2016 02344 B , Standard Registration, 2021

Mutlu O., ADİPOKİNETİK HORMON AİLESİNİNE AİT PEPTİTLERİN YENİ TERAPÖTİK KULLANIMLARI, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2020 00083 T4 , Standard Registration, 2020

Mutlu O., NEW THERAPEUTIC USES OF PEPTIDES OF THE ADIPOKINETIC HORMONE FAMILY, Patent, CHAPTER A Human Needs, The Invention Registration Number: EP 3 446 753 B1 , Standard Registration, 2019

Mutlu O., ADİPOKİNETİK HORMON/KIRMIZI PİGMENT-KONSANTRE EDİCİ HORMON (AKH/RPCH) PEPTİT AİLESİNİN TERAPÖTİK KULLANIMI, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2018 00631 , Standard Registration, 2018

Mutlu O., THERAPEUTIC USE OF ADIPOKINETIC HORMONE/RED PIGMENT-CONCENTRATING HORMONE (AKH/RPCH) FAMILY OF PEPTIDES, Patent, CHAPTER A Human Needs, The Invention Registration Number: 3119416 , Standard Registration, 2017

Mutlu O., THERAPEUTIC USE OF ADIPOKINETIC HORMONE/RED PIGMENT-CONCENTRATING HORMONE (AKH/RPCH) FAMILY OF PEPTIDES IN BIRTH INJURY AND PREGNANCY COMPLICATIONS , Patent, CHAPTER A Human Needs, The Invention Recourse Number: TR 2017/00265 , Standard Registration, 2017

Mutlu O., Yusufçuk homeopatik remedisinin kullanımı, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2014 05698 , Standard Registration, 2017

Mutlu O., AKH/RPCH peptit ailesinin terapötik kullanımı (geniş istem), Patent, CHAPTER A Human Needs, The Invention Recourse Number: TR 2015/03694 , Standard Registration, 2015

## Memberships / Tasks in Scientific Organizations

Türk Farmakoloji Derneği, Member, 2005 - Continues

## Scientific Refereeing

PHYTOTHERAPY RESEARCH, SCI Journal, February 2023  
NEUROSCIENCE LETTERS, SCI Journal, August 2021  
Northern Clinics of Istanbul, Other journals, June 2021  
Journal of Complementary and Integrative Medicine , Other journals, March 2021  
INTERNATIONAL JOURNAL OF CLINICAL PRACTICE, SCI Journal, January 2021  
BRAIN AND BEHAVIOR, Journal Indexed in SCI-E, June 2020  
BIOMEDICINE & PHARMACOTHERAPY, Journal Indexed in SCI-E, September 2019  
BRAIN AND BEHAVIOR, Journal Indexed in SCI-E, June 2019  
BIOMEDICINE & PHARMACOTHERAPY, Journal Indexed in SCI-E, March 2019  
BIOMEDICINE & PHARMACOTHERAPY, Journal Indexed in SCI-E, February 2019  
PHARMACEUTICAL BIOLOGY, Journal Indexed in SCI-E, February 2018  
PHARMACEUTICAL BIOLOGY, Journal Indexed in SCI-E, November 2017  
SOMATOSENSORY AND MOTOR RESEARCH, Journal Indexed in SCI-E, October 2017  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, Journal Indexed in SCI-E, September 2017  
ADVANCES IN MEDICAL SCIENCES, Journal Indexed in SCI-E, July 2017  
INTEGRATION-THE VLSI JOURNAL, Journal Indexed in SCI-E, May 2017  
ETHOLOGY ECOLOGY & EVOLUTION, Journal Indexed in SCI-E, November 2016  
HORMONES AND BEHAVIOR, Journal Indexed in SCI-E, October 2016  
BRAIN AND BEHAVIOR, Journal Indexed in SCI-E, July 2016  
BALKAN MEDICAL JOURNAL, Journal Indexed in SCI-E, July 2016  
Pathophysiology, Other journals, July 2016  
DRUG AND CHEMICAL TOXICOLOGY, Journal Indexed in SCI-E, May 2016  
iMedPub Acta Psychopathologica , Other Indexed Journal, February 2016  
BEHAVIOURAL BRAIN RESEARCH, Journal Indexed in SCI-E, January 2016  
SAUDI PHARMACEUTICAL JOURNAL, Journal Indexed in SCI-E, October 2015  
BALKAN MEDICAL JOURNAL, Journal Indexed in SCI-E, August 2015  
PHARMACEUTICAL BIOLOGY, Journal Indexed in SCI-E, August 2015  
Drug Research , Other journals, May 2015  
Zeitschrift für Naturforschung C , Other Indexed Journal, May 2015  
Drug Research , Other Indexed Journal, February 2015  
Drug Research , Journal Indexed in ESCI, April 2014  
TOXICOLOGY AND INDUSTRIAL HEALTH, Journal Indexed in SCI-E, November 2013  
Drug Research , Journal Indexed in ESCI, October 2013  
TOXICOLOGY AND INDUSTRIAL HEALTH, Journal Indexed in SCI-E, August 2013  
Drug Research , Journal Indexed in ESCI, August 2013  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, Journal Indexed in SCI-E, June 2013  
PHARMACEUTICAL BIOLOGY, Journal Indexed in SCI-E, February 2013  
African Journal of Pharmacy and Pharmacology , Other Indexed Journal, February 2013  
drug research, Journal Indexed in ESCI, September 2012  
NEUROPHARMACOLOGY, Journal Indexed in SCI-E, May 2012  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, Journal Indexed in SCI-E, March 2012  
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, Journal Indexed in SCI-E, May 2011  
JOURNAL OF AFFECTIVE DISORDERS, Journal Indexed in SCI-E, June 2010  
JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, Journal Indexed in SCI-E, June 2009

## Mobility Activity

Post Doc, Post Doc, Charles University, Czech Republic, 2017 - 2018



Post Doc, Post Doc, Charles University, Czech Republic, 2016 - 2016

Other, Get Education, Université François-Rebelais: Tours, France, 2006 - 2007

## Metrics

Publication: 262

Citation (WoS): 909

Citation (Scopus): 1080

H-Index (WoS): 17

H-Index (Scopus): 19

## Congress and Symposium Activities

31. ECNP kongresi, Working Group, Barcelona, Spain, 2018

BIT's 15th Annual Congress of International Drug Discovery Science and Technology - IDDST Japan 2017, Invited Speaker, Osaka, Japan, 2017

IDDST-Japan 2017, Working Group, Osaka, Japan, 2017

30. CINP World kongresi, Working Group, Seoul, South Korea, 2016

EBPS Meting, Working Group, Verona, Italy, 2015

28. ECNP kongresi, Working Group, Amsterdam, Netherlands, 2015

3rd International Homeopathy Congress, Invited Speaker, İstanbul, Turkey, 2015

3.uluslararası homeopati konferansı, Working Group, İstanbul, Turkey, 2015

9th FENS, Working Group, Milan, Italy, 2014

Symposium on Pharmacoeconomics: Basic principles and valuation of health states, Working Group, İstanbul, Turkey, 2013

1. Uluslar arası Homeopati Konferansı, Working Group, İstanbul, Turkey, 2013

11. Ulusal Sinir Bilim Kongresi, Working Group, İzmir, Turkey, 2013

48. Ulusal PsikiyatriKongresi, Panelists, Bursa, Turkey, 2012

48. Ulusal Psikiyatri Kongresi, Panelists, Bursa, Turkey, 2012

6th EPHAR, European Pharmacology 2012, Working Group, Granada, Spain, 2012

21. Farmakoloji Eğitiminde Kuşaklarası Bilimsel Etkileşme Semineri, Dr. Nejat F. Eczacıbaşı Toplantısı, Working Group, Kayseri, Turkey, 2012

21. Ulusal Farmakoloji Kongresi, Working Group, Eskişehir, Turkey, 2011

14. Behavioural Pharmacology" Kongresi , Working Group, Amsterdam, Netherlands, 2011

10th World Biological Psychiatry" Kongresi , Working Group, Praha, Czech Republic, 2011

10. Ulusal Sinirbilim Kongresi, Working Group, İstanbul, Turkey, 2011

IUPHAR, World Pharmacology" Kongresi , Working Group, Kobenhavn, Denmark, 2010

19.Farmakoloji Eğitiminde Kuşaklarası Bilimsel Etkileşme Semineri, Working Group, Bursa, Turkey, 2010

20. Ulusal Farmakoloji Kongresi, Working Group, Antalya, Turkey, 2009

22. ECNP kongresi, Working Group, İstanbul, Turkey, 2009

9th World Biological Psychiatry" Kongresi , Working Group, Paris, France, 2009

Euron Workshop, Drugs and the Brain, workshop, Working Group, Braga, Portugal, 2009

EPHAR, European Pharmacology 2008, Working Group, Manchester, United Kingdom, 2008

I. Ulusal Farmakovijlans Kongresi, Working Group, Hatay, Turkey, 2008

VII. Ulusal Sinirbilimleri Kongresi, Working Group, Adana, Turkey, 2008

19. Ulusal Farmakoloji Kongresi, Working Group, Trabzon, Turkey, 2007

12th Behavioural Pharmacology" Kongresi , Working Group, Stuttgart, Germany, 2007

18. Ulusal Farmakoloji Kongresi, Working Group, İzmir, Turkey, 2005

## Invited Talks

Gebelik ve Akciğer Hastalıkları Kursu. Gebelik ve Emzirme Döneminde İlaç Etkileşimleri (Teratojen ve Süte Geçen), Conference, 24.Yıllık Ulusal Toraks Kongresi, Turkey, November 2021

Effects of the adipokinetic hormone/red pigment-concentrating hormone (AKH/RPCH) family of peptides on rat schizophrenia models, Conference, Pharma R&D-2020, United States Of America, February 2020

Behavioural Effects of Adipokinetic Hormone/Red Pigment-Concentrating Hormone (AKH/RPCH) Family of Peptides in Mice., Conference, BIT's 15th Annual Congress of International Drug Discovery Science and Technology - IDDST Japan 2017, Japan, July 2017

A study to prove the effectiveness of homeopathy in animals: Anax İmperator in behavioural and analgesy models in mice, Conference, 3rd International Homeopathy Congress, İstanbul University Congress Center, Turkey, April 2015

## Awards

Mutlu O., CDE Grant 2018 (Antidepressant effect of adipokinetic hormone/red pigment-concentrating hormone family of peptides in olfactory bulbectomy model of rats), 31. Ecnp Congress, October 2018

Mutlu O., CDE Grant 2015 (Use of chronically administered adipokinetic hormone in depression, anxiety and pain), 28Th Ecnp Congress, August 2015

Komsuoğlu Çelikyurt F. İ., Mutlu O., CDE grant 2014 (. Chronic exenatide treatment reverses the impaired spatial and emotional memory functions of type-2 diabetic mice), 27Th Ecnp Congress, October 2014

Tanyeri P., Mutlu O., En iyi 3. poster ödülü, 46. Drug Information Association, Boston, June 2013

Mutlu O., R. Kazım Türker 2011 Yılı Genç Farmakolog Teşvik Ödülü, Türk Farmakoloji Derneği, March 2012

Mutlu O., 2011 Bilimsel Başarı Ödülü, Kocaeli Üniversitesi, May 2011

## Artworks

Mutlu O., Dijital müzik albümü, Electronic Music, Original Works, January 2015

## Non Academic Experience

Kocaeli Üniversitesi

Charles Üniversitesi, Tıp Fakültesi, 3. Fakültesi, Psikiyatri Bölümü, Ulusal Zihin Sağlığı Enstitüsü

François Rabelais Üniversitesi Psikobiyoloji Laboratuvarı Tours/Fransa