

Asst. Prof. GÖKHAN ÜNAL

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 28051

Email: gokhanunal@erciyes.edu.tr

Web: <http://aves.erciyes.edu.tr/8762/>

Post Address: gokhanunal@erciyes.edu.tr, ecz_gokhanunal@hotmail.com

Education Information

Doctorate, Erciyes Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakoloji, Turkey 2013 - 2017

Under Graduate, Erciyes Üniversitesi, Eczacılık Fakültesi, Turkey 2007 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sıçanlarda MK-801 ile Oluşturulmuş Şizofreni Modelinde Nikotinik Alfa-7 Reseptörlerinin Şizofreninin Pozitif, Negatif ve Kognitif Semptomları Üzerine Olası Etkilerinin İncelenmesi, Marmara Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakoloji, 2017

Research Areas

Health Sciences, Medicine, Internal Medicine Sciences, Psychiatry, Pharmacology and Therapeutics, Professional Sciences, Pharmacology

Academic Titles / Tasks

Research Assistant PhD, Erciyes Üniversitesi, Eczacılık Fakültesi, Eczacılık, 2018 - Continues

Research Assistant, Marmara Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakoloji, 2013 - 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **A-582941, cholinergic alpha 7 nicotinic receptor agonist, improved cognitive and negative symptoms of the sub-chronic MK-801 model of schizophrenia in rats**
Unal G., Aricioglu F.
PSYCHIATRY AND CLINICAL PSYCHOPHARMACOLOGY, vol.28, pp.4-13, 2018 (Journal Indexed in SCI)
- **Agmatine-attenuated cognitive and social deficits in subchronic MK-801 model of schizophrenia in rats**
Unal G., Ates A., Aricioglu F.
PSYCHIATRY AND CLINICAL PSYCHOPHARMACOLOGY, vol.28, pp.245-253, 2018 (Journal Indexed in SCI)
- **Neuroinflammation in Schizophrenia: A Critical Review and The Future**
Aricioglu F., Ozkartal C. S. , Unal G., Dursun S., CETİN M., Mueller N.
KLINIK PSIKOFARMAKOLOJİ BULTENİ-BULLETIN OF CLINICAL PSYCHOPHARMACOLOGY, vol.26, pp.429-437, 2016 (Journal Indexed in SCI)
- **Regulation of GSK-3 Activity as A Shared Mechanism in Psychiatric Disorders**
Sahin C., Unal G., Aricioglu F.

KLINIK PSIKOFARMAKOLOJİ BULTENİ-BULLETIN OF CLINICAL PSYCHOPHARMACOLOGY, vol.24, pp.97-108, 2014 (Journal Indexed in SCI)

- **pK(a) Constant of Varenicline**

ÜNAL G., Yeloglu I., Anilanmert B., NARİN I.

JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.57, pp.14-17, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Comparison of behavioural and molecular effects of two different schizophrenia models induced by subchronic MK-801 administration in rats**

ÜNAL G., Aricioglu F.

MARMARA PHARMACEUTICAL JOURNAL, vol.22, pp.199-208, 2018 (Journal Indexed in ESCI)

- **Deneysel Şizofreni Modelleri: Psikofarmakolojik Bakış**

ÜNAL G., ARICIOĞLU F.

Türkiye Klinikleri Laboratuvar Hayvanları Dergisi, vol.1, pp.105-114, 2017 (Other Refereed National Journals)

- **The involvement of Akt and GSK 3 Two pathways two pathology**

ŞAHİN C., ÜNAL G., ARICIOĞLU F.

Journal of Marmara University Institute of Health Sciences, pp.1, 2014 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Identification of the possible downstream path-ways related to alpha7 nicotinic acetylcholine receptor in MK-801 induced schizophrenia model in rats**

CUMAOĞLU A., ÜNAL G., Bekci H., Yerer M. B. , ARICIOĞLU F.

31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29

- **Effects of agmatine on Akt/GSK-3beta/betacatenin signaling pathway in SH-SY5Y cell culture: Relevance to schizophrenia**

ÜNAL G., ARICIOĞLU F., Dokumaci A. H. , Yerer-Aycan M. B. , Ozkartal-Sahin C.

ECNP Workshop on Early Career Scientists in Europe, Nice, France, 7 - 10 March 2019, vol.29

- **A comparison of two schizophrenia models induced by MK-801: Possible involvement of phosphodiesterase 4A and glycogen synthase kinase 3 beta**

Yerer M. B. , ÜNAL G., Bekci H., CUMAOĞLU A., Aricioglu F.

31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29

- **Nicotinic alpha7 receptor agonist and modulators improved social but not sensorimotor deficits on subchronic MK-801 model of scizophrenia in rats.**

ÜNAL G., Zortul H., YAVUZ A. N. , ARICIOĞLU F.

30th Congress European College of Neuropsychopharmacology (ECNP), 2 - 05 September 2017

- **Olanzapine Reversed MK-801 Induced Cell Damage via Akt/GSK-3 β/β –Catenine Signaling Pathway in SH SY5Y Cell Culture**

ÜNAL G., DOKUMACIA. H. , AYCAN M. B. , ÖZKARTAL C., ARICIOĞLU F.

9th International Congress on Psychopharmacology and 5th International Symposium on Child and Adolescent Psychopharmacology, 26 - 30 April 2017, vol.27, pp.57

- **Cholinergic alpha 7 nicotinic receptor agonism improved cognitive and negative symptoms of MK-801-induced schizophrenia in rats.**

ÜNAL G., ARICIOĞLU F., YAVUZ A. N.

9th International Congress on Psychopharmacology and 5th International Symposium on Child and Adolescent Psychopharmacology, 26 - 30 April 2017

- **Famotidine: Is it a potential new candidate for the treatment of schizophrenia by inhibiting GSK-3 beta?**

Unal G., DOKUMACIA. H. , Hazar-Yavuz A. N. , AYCAN M. B. , Sahin C., Keles R., Aricioglu F.

29th Congress of the European-College-of-Neuropsychopharmacology (ECNP), Vienna, Austria, 17 - 20

September 2016, vol.26

- **Antidepressant like effect of hydro alcoholic extract of nigella sativa in tail suspension test in mice**
YAVUZ A. N. , KELEŞ R. M. , ÜNAL G., TAŞKIN T., ARICIOĞLU F.
29th Congress European College of Neuropsychopharmacology (ECNP), Vienna, Austria, 17 - 20 September 2016
- **Famotidine reverses social withdrawal but not fear conditioning deficits induced by acute ketamine model in rats**
ARICIOĞLU F., ÜNAL G., YAVUZ A. N. , ÖZKARTAL C., KELEŞ R. M.
7 th European Congress of Pharmacology (EPHAR2016), İstanbul, Turkey, 26 - 30 July 2016
- **The combination of sub effective doses of agmatine and ketamine reduces obsessive compulsive like behavior of mice in marble burying test**
KELEŞ R. M. , YAVUZ A. N. , ÖZKARTAL C., ÜNAL G., ARICIOĞLU F.
30th World International College of Neuropsychopharmacology (CINP) Congress, Seoul, South Korea, 3 - 05 July 2016, vol.19, pp.24-25
- **Possible protective effects of agmatine and famotidine on MK 801 induced cytotoxicity in SHSY 5Y cell line**
AYCAN M. B. , Dokumacı A. H. , ÜNAL G., ÖZKARTAL C., ARICIOĞLU F.
6th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, Isparta, Turkey, 24 - 27 May 2016
- **Agmatine treatment prevents MK 801 induced neurodegeneration in cell culture**
ÜNAL G., DOKUMACI A. H. , AYCAN M. B. , ÖZKARTAL C., ARICIOĞLU F.
8th International Congress on Psychopharmacology and 4th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 20 - 24 April 2016
- **Possible neuroprotective effects of agmatine via GSK3 protein expression in SH SY5Y cell line**
DOKUMACI A. H. , ÜNAL G., AYCAN M. B. , ÖZKARTAL C., ARICIOĞLU F.
8th International Congress on Psychopharmacology and 4th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 20 - 24 April 2016
- **Famotidine reverses learning and memory deficits induced by acute ketamine model of schizophrenia in novel object recognition test in rats**
YAVUZ A. N. , ÜNAL G., ÖZKARTAL C., KELEŞ R. M. , KRAUS M., ARICIOĞLU F.
8th International Congress on Psychopharmacology and 4th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 20 - 24 April 2016
- **Agmatine potentiates the antidepressant effect of ketamine in forced swimming test of rats**
KELEŞ R. M. , YAVUZ A. N. , ÖZKARTAL C., ÜNAL G., ARICIOĞLU F.
8th International Congress on Psychopharmacology and 4th International Symposium on Child and Adolescent Psychopharmacology, Antalya, Turkey, 20 - 24 April 2016
- **Bioactive beta carbolines harman and norharman attenuate oxidative damage in sub chronic stress model in rats**
ARICIOĞLU F., ŞAHİN C., ÜNAL G., ARKAN G.
4th World Psychiatric Association International Congress, 18 - 22 November 2015
- **Agmatine attenuates cecal ligation induced sickness behavior in rats**
ARICIOĞLU F., ŞAHİN C., ÜNAL G., UTKAN T.
4th World Psychiatric Association International Congress, 18 - 22 November 2015, pp.446
- **The effect of acute ketamine administration on NLRP3 inflammasome activation in a sub chronic stress model of rats**
ÜNAL G., TERZİOĞLU G., ŞAHİN C., YANIKKAYA DEMİREL G., ARICIOĞLU F.
28th European Congress of Neuropsychopharmacology (ECNP), Amsterdam, Netherlands, 29 August - 01 September 2015, vol.25, pp.226-227
- **Investigation Of Cytotoxic Effects Of Pelargonium Endlicherianum Extracts And Related Phenolic Compounds: Esculetin And Scopoletin.**
DOKUMACI A. H. , ÜNAL G., ŞEKER KARATOPRAK G., AYCAN M. B.
2nd Anticancer Agent Congress, Muğla, Turkey, 23 - 25 April 2014, pp.100

ÜNAL G., ARICIOĞLU F., AYCAN M. B. , Project Supported by Higher Education Institutions, SH-SY5Y hücrelerinde MK-801 ile indüklenen hücre hasarına karşı agmatinin koruyucu etkisinin araştırılması, 2018 - 2019
AYCAN M. B. , ARICIOĞLU F., ÜNAL G., Project Supported by Higher Education Institutions, SIÇANLARDA MK801 İLE OLUŞTURULMUŞ ŞİZOFRENİ MODELİNDE NİKOTİNİK ALFA7 RESEPTÖRLERİNİN ŞİZOFRENİNİN POZİTİF, NEGATİF VE KOGNİTİF SEMPTOMLARI ÜZERİNE OLASI ETKİLERİNİN İNCELENMESİ, 2018 - 2018

Citations

Total Citations (WOS):20

h-index (WOS):2