

## Res. Asst. Kemal Alp NALCI

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Sağlık Bilimleri Fakültesi, Farmakoloji(Tıp), Turkey 2016 - Continues

Postgraduate, Ataturk University, Sağlık Bilimleri Fakültesi, Farmakoloji ( Tıp), Turkey 2013 - 2016

Undergraduate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey 2009 - 2013

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, SEFTRİAKSONUN EKSİTATÖR AMİNOASİT TAŞIYICI 1 (EAAT1), EAAT2, EAAT3 BLOKERLERİYLE BİRLİKTE KULLANIMININ SIÇAN GLİOBLASTOMA MULTİFORME HÜCRE HATTI ÜZERİNDEKİ ETKİLERİNİN İNCELENMESİ, Atatürk Üniversitesi, Sağlık Bilimleri Fakültesi, Farmakoloji (Tıp), 2016

### Research Areas

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

### Academic Titles / Tasks

Research Assistant, Ataturk University, Sağlık Bilimleri Fakültesi, Farmakoloji (Tıp), 2014 - Continues

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

- I. **Investigation of the Neuro-Regenerative Effects of Bioresonance and Magnetotherapy in Sciatic Nerve Damage-Induced Rats**

Tas A., Nalci K. A., Sincan S., oezdemir H., uestuen R., Aras İ., catalkaya E., Şeker A., Aycan A., Aycan N., et al. INTERNATIONAL JOURNAL OF MORPHOLOGY, vol.41, no.4, pp.1184-1190, 2023 (SCI-Expanded)

- II. **New description of vagal nerve commanted intrapancreatic taste buds and blood glucose level: An experimental analysis**

AYDIN M. D., Aydın A., Caglar O., AYDIN M. E., KARADENİZ E., Nalci K. A., DEMİRTAŞ R.

BIOIMFACTS, vol.11, no.3, pp.181-185, 2021 (SCI-Expanded)

- III. **Influence of resveratrol application with pulp-capping materials on the genetic expression levels of stem cells.**  
Çelik N., Işcan Yapar M., Taghizadehghalehjoughi A., Nalci K. A.  
International endodontic journal, vol.53, pp.1253-1263, 2020 (SCI-Expanded)
- IV. **First definition of burned choroid plexus in acidic cerebrospinal fluid-filled brain ventricles during subarachnoid hemorrhage: Experimental study**  
Demirci T., Aydın M. D., Caglar O., Aydın N., Özmen S., Nalci K. A., Ahıskalıoğlu A., Koçak M., Keles S.  
NEUROPATHOLOGY, vol.40, no.3, pp.251-260, 2020 (SCI-Expanded)
- V. **The analgesic effect of metformin on paclitaxel-induced neuropathic pain model in rats: By considering pathological results**  
Hacımüftüoğlu A., Mohammadzadeh M., Taghizadehghalehjoughi A., Taşpınar N., Toğar B., Nalci K. A., Okkay U., Gündoğdu B.  
JOURNAL OF CANCER RESEARCH AND THERAPEUTICS, vol.16, no.1, pp.34-39, 2020 (SCI-Expanded)
- VI. **Effects of Docosaheptaenoic Acid (DHA, Omega 3) with Exercise on Experimental Achilles Tendinopathy in Rats**  
Gundogdu K., Tasci S. Y., Nalci K. A., Gundogdu G., Kapakin K. A., Demirkaya A. K., GÜNDOĞDU M., HACİMÜFTÜOĞLU A.  
ACTA PHYSIOLOGICA, vol.227, pp.57, 2019 (SCI-Expanded)
- VII. **Exploring of the Unpredicted Effects of Olfactory Network Injuries on Mammary Gland Degeneration: A Preliminary Experimental Study.**  
KARADENİZ E., KOCAK M., AHISKALIOĞLU A., NALCI K. A., OZMEN S., AKCAY M., AYDIN N., Aydın M. D., HACİMÜFTÜOĞLU A.  
Journal of investigative surgery : the official journal of the Academy of Surgical Research, vol.32, pp.624-631, 2019 (SCI-Expanded)
- VIII. **The effects of different diets (high fat and high fructose diet) on the development of insulin resistance and tissue advanced glycation end product levels in rats**  
Demirci T., Orbak Z., Öztürk N., Kaygisiz M. D., Nalci K. A., Polat Z. B.  
HORMONE RESEARCH IN PAEDIATRICS, vol.91, pp.345-346, 2019 (SCI-Expanded)
- IX. **Usnic Acid: Does Protect Neurons from Glutamate Excitotoxicity?**  
Gundogdu G., Tasci S. Y., Nalci K. A., Miloglu D. F., Hacimuftuoglu A.  
ACTA PHYSIOLOGICA, vol.227, pp.158, 2019 (SCI-Expanded)
- X. **The Cytotoxic Effects of Suberosin Isolated from Ferulago cassia on SH-SY5Y Human Neuroblastoma Cells**  
Gundogdu G., Tasci Y. S., Nalci K. A., Karakaya S., Hacimuftuoglu A.  
ACTA PHYSIOLOGICA, vol.227, pp.159, 2019 (SCI-Expanded)
- XI. **The Effect of Parietin Isolated From Rheum ribes L on In Vitro Wound Model Using Human Dermal Fibroblast Cells**  
Gundogdu G., GUNDOĞDU K., NALCI K. A., Demirkaya A. K., Tasci Ş., Miloglu F., ŞENOL O., HACİMÜFTÜOĞLU A.  
INTERNATIONAL JOURNAL OF LOWER EXTREMITY WOUNDS, vol.18, no.1, pp.56-64, 2019 (SCI-Expanded)
- XII. **Histopathological Evaluation of Boronphenyl alanine and Zinc Containing Nanoemulsion Formulations on Wound Healing in Streptozocin Induced Diabetic Rats**  
Gündoğdu G., Gündoğdu K., Nalci K. A., Demirci T., Uğur Kaplan A. B., Demirkaya Miloğlu F., Hacımüftüoğlu A., Çetin M.  
Acta Physiologica, vol.227, no.722, pp.113, 2019 (SCI-Expanded)
- XIII. **Cytotoxic and biological effects of bulk fill composites on rat cortical neuron cells**  
Kamalak H., Kamalak A., TAGHIZADEHGHALEHJOUGHİ A., HACİMÜFTÜOĞLU A., NALCI K. A.  
ODONTOLOGY, vol.106, no.4, pp.377-388, 2018 (SCI-Expanded)
- XIV. **Protective Effect of Fe3O4-SiO2-NH2 Nanocomposite Functionalized with Boronophenylalanine on Glutamate Excitotoxicity in Primary Cortical Neuron Cell Culture**

GÜNDOĞDU G., ÇETİN M., NALCI K. A., DEMİRKAYA MİLOĞLU F., SEVİM M., aydın b. ö., HACİMÜFTÜOĞLU A., METİN Ö.

Neuroendocrinology, vol.107, no.1, pp.1-40, 2018 (SCI-Expanded)

- XV. **Effect of metformin/irinotecan-loaded poly-lactic-co-glycolic acid nanoparticles on glioblastoma: in vitro and in vivo studies**

TAGHIZADEHGHAEHJOUGHİ A., HACİMÜFTÜOĞLU A., ÇETİN M., UĞUR A. B., GALATEANU B., MEZHUEV Y., OKKAY U., Taspınar N., Taspınar M., UYANIK A., et al.

NANOMEDICINE, vol.13, no.13, pp.1595-1606, 2018 (SCI-Expanded)

- XVI. **Investigation of cytotoxic effects of KAl(SO<sub>4</sub>)<sub>2</sub>·12H<sub>2</sub>O salt in HT-29 human colorectal adenocarcinoma cells**

NALCI K. A., GÜNDOĞDU G., HACİMÜFTÜOĞLU A.

Neuroendocrinology, 2018 (SCI-Expanded)

- XVII. **INVESTIGATION OF PROTECTIVE EFFECT OF PARIETIN AGAINST GLUTAMATE EXCITOTOXICITY IN PRIMARY CORTICAL NEURON CULTURE**

Gundogdu G., Taghizadehghalehjoughi A., Senol O., Cicek B., Nalci K. A., Hacimuftuoglu A.

ACTA PHYSIOLOGICA, vol.221, pp.228, 2017 (SCI-Expanded)

- XVIII. **Protective Effect of Zn<sup>2+</sup>-Loaded Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-NH<sub>2</sub>-(Zinpyr-1) Nanocomposite on Glutamate Exercise Toxicity in Primary Cortical Neuron Cell Culture**

GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F., NALCI K. A., ÇİÇEK B., TAGHIZADEHGHAEHJOUGHİ A., Polatdemir E., HACİMÜFTÜOĞLU A.

ACTA PHYSIOLOGICA, vol.221, pp.78-79, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Comparing the effects of current circumcision techniques on dorsal root ganglia: an experimental study**

ÇAĞLAR Ö., ARSLAN R., FIRINCI B., AYDIN M. E., KARADENİZ E., NALCI K. A., SALMAN A. B., AYDIN M. D.

ANNALS OF PEDIATRIC SURGERY, vol.17, no.1, 2021 (ESCI)

- II. **Glutamat Eksitotoksitesisi Oluşturulan Primer Kortikal Nöron Kültürlerinde Parietinin Nöroprotektif Etkisinin İncelenmesi**

GÜNDOĞDU G., TAGHIZADEHGHAEHJOUGHİ A., ÇİÇEK B., ŞENOL O., NALCI K. A., DEMİRKAYA A. K., HACİMÜFTÜOĞLU A.

Atatürk Üniversitesi Veteriner Bilimleri Dergisi, vol.13, pp.165-173, 2018 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Histopathological evaluation of boronphenyl alanine and zinc containing nanoemulsion formulations on wound healing in streptozocin induced diabetic rats**

GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., DEMİRCİ T., UĞUR A. B., DEMİRKAYA MİLOĞLU F., HACİMÜFTÜOĞLU A., ÇETİN M.

Turkish Society of Physiological Sciences 45th National Physiology Congress, KUŞADASI, Turkey, 31 October - 03 November 2019, vol.227, pp.113

- II. **Neuroprotective Effects of Umbelliferone on GlutamateExcitotoxicity: Cell Culture Study**

DEMİRKAYA A. K., GÜNDOĞDU G., NALCI K. A., YILMAZ TAŞCI Ş., KARAKAYA S., HACİMÜFTÜOĞLU A.

Acta Physiologica, 31 October - 03 November 2019

- III. **Neuroprotective Effects of Suberosin on GlutamateExcitotoxicity in Primary Cortical Neurons**

GÜNDOĞDU G., YILMAZ TAŞCI Ş., NALCI K. A., KARAKAYA S., DEMİRKAYA MİLOĞLU F., HACİMÜFTÜOĞLU A.

Acta Physiologica, 31 October - 03 November 2019

- IV. **Effects of Docosahexaenoic Acid (DHA, Omega 3) with Exercise on Experimental Achilles**

## **Tendinopathy in Rats**

GÜNDOĞDU K., Yılmaz Taşcı Ş., Nalci K. A., GÜNDOĞDU G., TERİM KAPAKİN K. A., DEMİRKAYA A. K., GÜNDOĞDU M., HACİMÜFTÜOĞLU A.

Turkish Society of Physiological Sciences 45th National Physiology Congress, Kuşadası-Aydın, Turkey, 31 October - 03 November 2019

- V. **The Cytotoxic Effects of Suberosin Isolated from *Ferulago cassia* on SH-SY5Y Human Neuroblastoma Cells**  
GÜNDOĞDU G., YILMAZ TAŞCI Ş., Nalci K. A., KARAKAYA S., Hacimuftuoglu A.  
FEPS 2019 – BOLOGNA (ITALY), 10 - 13 September 2019
- VI. **The cytotoxic effects of suberosin isolated from *Ferulago cassia* on SH-SY5Y human neuroblastoma cells**  
GÜNDOĞDU G., YILMAZ TAŞCI Ş., NALCI K. A., KARAKAYA S., HACİMÜFTÜOĞLU A.  
Acta Physiologica, 10 - 13 September 2019
- VII. **Usnic Acid: Does Protect Neurons from Glutamate Excitotoxicity?**  
GÜNDOĞDU G., YILMAZ TAŞCI Ş., Nalci K. A., DEMİRKAYA MİLOĞLU F., Hacimuftuoglu A.  
FEPS 2019 – BOLOGNA (ITALY), 10 - 13 September 2019
- VIII. **Mesenterik İskeminin Etiyopatogenezinde Spinal Subaraknoid Kanama Kökenli Sakral Parasempatik Ağ Dejenerasyonunun İndüklediği Mezenter Arter Vazospazmının İrdelenmesi Deneysel Çalışma**  
KARADENİZ E., ÇAĞLAR Ö., FIRINCI B., AHISKALIOĞLU A., AYDIN M. D., KOÇAK M. N., NALCI K. A., YİĞİTER M., ŞİPAL S., GÜNDOĞDU B.  
36. Ulusal Çocuk Cerrahisi Kongresi, Turkey, 24 - 27 October 2018
- IX. **Gene Expression Analysis of IL-8 And IL-10 in Mesenchymal Stem Cells Treated with Pulp Capping Materials**  
ÇELİK N., YAPAR m. i., TAGHİZADEHGHAEJOUGHİ a., NALCI K. A.  
Türk Dişhekimleri Birliği 24. Uluslararası Dişhekimliği Kongresi, 27 - 30 September 2018
- X. **The In Vitro Evaluation of The Wound Healing Effects of Boronophenylalanine, Zinc and Their Combination Using Fibroblast Cell Line**  
GÜNDOĞDU G., GUNDOĞDU K., NALCI K. A., UĞUR A. B., DEMİRKAYA MİLOĞLU F., HACİMÜFTÜOĞLU A., ÇETİN M.  
19th International Pharmaceutical Technology Symposium, 17 - 19 September 2018
- XI. **Investigation of cytotoxic effects of  $KAl(SO_4)_2 \cdot 12H_2O$  salt in HT-29 human colorectal adenocarcinoma cells**  
NALCI K. A., GÜNDOĞDU G., HACİMÜFTÜOĞLU A.  
3RD INTERNATIONAL CONGRESS OF TURKISH NEUROENDOCRINOLOGY SOCIETY, 29 June - 01 July 2018
- XII. **INVESTIGATION OF EFFECTS OF FAGOPYRUM ESCULENTUM METHANOL EXTRACT IN HT-29 HUMAN COLORECTAL ADENOCARCINOMA CELLS**  
DEMİRKAYA A. K., GÜNDOĞDU G., Nalci K. A., DEMİRKAYA MİLOĞLU F., YILMAZ TAŞCI Ş., AKPINAR E., Hacimuftuoglu A.  
3RD INTERNATIONAL CONGRESS OF TURKISH NEUROENDOCRINOLOGY SOCIETY, 29 June - 01 July 2018
- XIII. **Investigation of effects of fagopyrum esculentum methanol extract in HT-29 human colorectal adenocarcinoma cells**  
DEMİRKAYA A. K., GÜNDOĞDU G., NALCI K. A., DEMİRKAYA MİLOĞLU F., YILMAZ TAŞCI Ş., AKPINAR E., HACİMÜFTÜOĞLU A.  
3RD INTERNATIONAL CONGRESS OF TURKISH NEUROENDOCRINOLOGY SOCIETY, 29 June - 01 July 2018
- XIV. **İnsan dermal fibroblast hücreleri kullanılarak oluşturulan yara modelinde karabuğday (*Fagopyrum esculentum*) ununun yara iyileşmesi üzerine etkileri**  
DEMİRKAYA A. K., GÜNDOĞDU G., NALCI K. A., GÜNDOĞDU K., DEMİRKAYA MİLOĞLU F., KARAKAYA S., HACİMÜFTÜOĞLU A.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 22 - 25 March 2018
- XV. **İnsan Dermal Fibroblast Hücreleri Kullanılarak Oluşturulan Yara Modelinde Karabuğday (*Fagopyrum Esculentum*) Ununun Yara İyileşmesi Üzerine Etkileri**

DEMİRKAYA A. K., GÜNDOĞDU G., NALCI K. A., GUNDOĞDU K., DEMİRKAYA MİLOĞLU F., KARAKAYA S., HACİMÜFTÜOĞLU A.

Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 22 - 25 March 2018

- XVI. **The proliferative effect of fluid extracts from *Rubia tinctorum* L. on human dermal fibroblast cells**  
GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., ŞENOL O., KARAKAYA S., DEMİRKAYA A. K., HACİMÜFTÜOĞLU A.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 22 - 25 March 2018
- XVII. **Protective Effect of Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-NH<sub>2</sub> Nanocomposite Functionalized with Boronophenylalanine on Glutamate Excitotoxicity in Primary Cortical Neuron Cell Culture**  
GÜNDOĞDU G., ÇETİN M., NALCI K. A., DEMİRKAYA MİLOĞLU F., Yılmaz M. S., Aydın B. O., HACİMÜFTÜOĞLU A., METİN Ö.  
3rd International Congress of the Turkish-Neuroendocrinology-Society, Malatya, Turkey, 29 June - 01 July 2018, vol.107, pp.37
- XVIII. **Effects of ceftriaxone with/without excitatory amino acid transporter blockers on GBM cell line**  
NALCI K. A., HACİMÜFTÜOĞLU A., OKKAY U., TAGHİZADEHGHAEJJOUGHİ a., TAŞPINAR N., TAŞPINAR M.  
neuroscience 2017, 11 - 15 November 2017
- XIX. **Escitalopram and serotonin reuptake parameters in animal model of chronic pain: an In vivo voltammetric study**  
HACİMÜFTÜOĞLU A., OKKAY U., NALCI K. A., TOĞAR B., TAŞPINAR N., AYDIN İ. Ç.  
2017 Neuroscience, 11 - 15 November 2017
- XX. **The effect of parietin on wound healing on the human dermal fibroblast cell line**  
GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., HACİMÜFTÜOĞLU A.  
DRD 2017, 5 - 07 October 2017
- XXI. **The Effects of Parietin on Wound Healing on the Human Dermal Fibroblast Cell Line**  
GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., HACİMÜFTÜOĞLU A.  
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, 5 - 07 October 2017
- XXII. **Investigation of protective effect of parietin against glutamat excitotoxicita in primara cortical neuron culture**  
GÜNDOĞDU G., Taghizadehghalehjoughi a., ŞENOL O., ÇİÇEK B., NALCI K. A., HACİMÜFTÜOĞLU A.  
FEPS 2017, 13 - 15 September 2017
- XXIII. **INVESTIGATION OF PROTECTIVE EFFECT OF PARIETIN AGAINST GLUTAMATE EXCITOTOXICITY IN PRIMARY CORTICAL NEURON CULTURE**  
GÜNDOĞDU G., TAGHİZADEHGHAE A., ŞENOL O., ÇİÇEK B., NALCI K. A., HACİMÜFTÜOĞLU A.  
FEPS Congress, Viyana, Austria, 13 - 15 September 2017, vol.221, pp.210-258
- XXIV. **Zn<sup>2+</sup> YÜKLENEN Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-NH<sub>2</sub>-(Zinpir-1) NANOKOMPOZİTİNİN PRİMER KORTİKAL NÖRON KÜLTÜRÜNDE GLUTAMAT EKSİTOTOKSİSİTESİ ÜZERİNE KORUYUCU ETKİSİ**  
GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F., NALCI K. A., ÇİÇEK B., TAGHİZADEHGHAEJJOUGHİ A., Polatdemir E., HACİMÜFTÜOĞLU A.  
43. ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.18
- XXV. **Sıçanlarda paklitakselle oluşturulan nöropatik ağrı modelinde metformin'in etkisi**  
Mohammadzadeh M., HACİMÜFTÜOĞLU A., TAGHİZADEHGHAEJJOUGHİ A., TAŞPINAR N., NALCI K. A., TOĞAR B., OKKAY U., Bütüner S.  
14. ulusal sinirbilim kongresi, Turkey, 26 - 29 June 2016
- XXVI. **Effects of irinotecan nanoparticles on viability rates of glioblastoma multiforme and neurons**  
HACİMÜFTÜOĞLU A., TAGHİZADEHGHAEJJOUGHİ A., OKKAY U., TAŞPINAR N., NALCI K. A., TAŞPINAR M., ÇETİN M., UYANIK A., Bütüner s.  
Society for Neuroscience Annual meeting - Chicago, 2015, 20 - 22 October 2015
- XXVII. **The effects of different diets (high fat and high fructose diet) on the development of insulin resistance and tissue advanced glycation end product levels in rats**

DEMİRCİ T., ORBAK Z., ÖZTÜRK N., DURMUŞ KAYGISIZ M., NALCI K. A., POLAT Z. B.

HORMONE RESEARCH IN PAEDIATRICS, Viana, Austria, 19 - 21 September 2019, vol.91, pp.345

## Supported Projects

ŞENGÜL M., TOPDAŞ E. F., TAGHIZADEHGHAEHJOUGHİ A., NALCI K. A., Project Supported by Higher Education Institutions, Çadır (Ferula Orientalis L) Bitkisinin Farklı Ekstraktlarının Mineral Madde Kompozisyonunun ve Esansiyel Yağının Ratlardaki Diyabetik Yaralar Üzerine Etkisinin Belirlenmesi, 2017 - 2017

## Metrics

Publication: 49

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