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International Researcher IDs

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Education Information

Expertise In Medicine, Bursa Uludağ University, TIP FAKÜLTESİ, Dahili Tıp Bilimleri Bölümü, Turkey 1994 - 1999

Expertise In Medicine, Bursa Uludağ University, TIP FAKÜLTESİ, Dahili Tıp Bilimleri Bölümü, Turkey 1994 - 1999

Undergraduate, Bursa Uludağ University, TIP FAKÜLTESİ, Tıp Pr., Turkey 1987 - 1993

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Health Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 2011 - Continues

Associate Professor, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 1994 - 1999

Academic and Administrative Experience

Director of Vocational School, Bursa Uludağ University, SAĞLIK HİZMETLERİ MYO, 2022 - Continues

Head of Department, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 2017 - Continues

Uzmanlık Kurulu, 2012 - Continues

Merkez Laboratuvar Başkanı, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 2009 - Continues

Vice Dean, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 2011 - 2015

Deputy Chief Physician, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 2006 - 2008

Supervised Theses

- Çavun S., Glisil-glutamin (GLY-GLN)'in kronik kullanımının kronik hafif stres modelinde depresyon benzeri davranış üzerine etkisi: Etkide serotonerjik ve glutamaterjik nörotransmitter sistemlerin aracılığı, Doctorate, G.SEVDAR(Student), 2022
- ÇAVUN S., Effect of N-acetyl cystein and trimetazidine on S100b, oxidative stress, apoptosis and infarct size in a rat model of myocardial ischemia and reperfusion injury, Doctorate, T.Şentürk(Student), 2013
- ÇAVUN S., The effect of intracerebroventricular administration of CDP-choline on serum ghrelin and leptin levels, Doctorate, D.Sinem(Student), 2013
- Çavun S., Akut ve kronik morfin uygulaması sonrası Nükleus akkumbens'te dopamin ve DOPAC çıkışı üzerine merkezi yolla uygulanan Gly-Gln'in etkisi, Expertise In Medicine, N.FİLİZ(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **$\alpha_9\beta_1$ integrin & its ligands as new potential biomarkers in FMF**
Ellegezen P., COŞKUN B. N., Bozkurt Z. Y., Çeçen G., AĞCA H., PEHLİVAN Y., DALKILIÇ H. E., ÇAVUN S., Yanar Y. B.
INDIAN JOURNAL OF MEDICAL RESEARCH, vol.160, no.1, pp.102-108, 2024 (SCI-Expanded)
- II. **Assessment of $\alpha_9\beta_1$ integrin as a new diagnostic and therapeutic target in Behcet's disease**
ELLERGEZEN P., COŞKUN B. N., Çeçen G., Bozkurt Z. Y., AĞCA H., DALKILIÇ H. E., ÇAVUN S.
Clinical and Experimental Medicine, vol.23, no.8, pp.5345-5353, 2023 (SCI-Expanded)
- III. **Pregabalin inhibits proinflammatory cytokine release in patients with fibromyalgia syndrome**
Ellegezen P., ALP A., ÇAVUN S., ÇELEBİ M., Macunluoğlu A. C.
Archives of Rheumatology, vol.38, no.2, pp.307-314, 2023 (SCI-Expanded)
- IV. **Evaluation of the Relationship between Proinflammatory Cytokine Levels and Clinical Findings of Fibromyalgia Syndrome**
Ellegezen P., ALP A., ÇAVUN S.
IRANIAN JOURNAL OF IMMUNOLOGY, vol.18, no.4, pp.338-345, 2021 (SCI-Expanded)
- V. **(E)-3-furan-2-yl-N-phenylacrylamide (PAM-4) decreases nociception and emotional manifestations of neuropathic pain in mice by alpha 7 nicotinic acetylcholine receptor potentiation**
Bagdas D., Sevdar G., Gul Z., Younis R., ÇAVUN S., Tae H., Ortells M. O., Arias H. R., GÜRÜN M. S.
NEUROLOGICAL RESEARCH, vol.43, no.12, pp.1056-1068, 2021 (SCI-Expanded)
- VI. **The Association Between Olfaction and Taste Functions with Serum Ghrelin and Leptin Levels in Obese Women**
Uygun B., Kiyici S., Ozmen S., Gul Z., SIĞIRLI D., ÇAVUN S.
METABOLIC SYNDROME AND RELATED DISORDERS, vol.17, no.9, pp.452-457, 2019 (SCI-Expanded)
- VII. **Exenatide treatment causes suppression of serum fasting ghrelin levels in patients with type 2 diabetes mellitus**
Guclu M., Kiyici S., Gul Z., ÇAVUN S.
ENDOCRINE CONNECTIONS, vol.7, no.1, pp.193-198, 2018 (SCI-Expanded)
- VIII. **Antibiotic release and antibacterial efficacy in cement spacers and cement beads impregnated with different techniques: In vitro study**
ATICI T., Sahin N., ÇAVUN S., ÖZAKIN C., Kaleli T.
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.29, no.2, pp.71-78, 2018 (SCI-Expanded)
- IX. **The effect of Gly-Gln [β -endorphin₃₀₋₃₁] on morphine-evoked serotonin and GABA efflux in the nucleus accumbens of conscious rats**
Basaran N. F., BÜYÜKUYSAL R. L., Yilmaz M. S., Aydin S., ÇAVUN S., Millington W. R.
Neuropeptides, vol.58, pp.23-29, 2016 (SCI-Expanded)
- X. **Helicobacter pylori Infection in Children: Nutritional Status and Associations with Serum Leptin, Ghrelin, and IGF-1 Levels**
Erdemir G., ÖZKAN T. M., ÖZGÜR T., Altay D., ÇAVUN S., Goral G.
HELICOBACTER, vol.21, no.4, pp.317-324, 2016 (SCI-Expanded)

- XI. **Exenatide Treatment Causes Suppression of Serum Ghrelin Levels following Mixed Meal Test in Obese Diabetic Women**
Topyildiz F., Kiyici S., Gul Z., SIĞIRLI D., Guclu M., Kisakol G., ÇAVUN S.
JOURNAL OF DIABETES RESEARCH, 2016 (SCI-Expanded)
- XII. **Central injection of CDP-choline suppresses serum ghrelin levels while increasing serum leptin levels in rats**
Kiyici S., Basaran N. F., ÇAVUN S., SAVCI V.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.764, pp.264-270, 2015 (SCI-Expanded)
- XIII. **Effective inhibition of cardiomyocyte apoptosis through the combination of trimetazidine and N-acetylcysteine in a rat model of myocardial ischemia and reperfusion injury**
ŞENTÜRK T., ÇAVUN S., AVCI B., YERMEZLER A., SERDAR Z., SAVCI V.
ATHEROSCLEROSIS, vol.237, no.2, pp.760-766, 2014 (SCI-Expanded)
- XIV. **Intravenous CDP-choline activates neurons in supraoptic and paraventricular nuclei and induces hormone secretion**
Eyigör Ö., Coskun C., Çavun S., Savcı V.
BRAIN RESEARCH BULLETIN, vol.87, pp.286-294, 2012 (SCI-Expanded)
- XV. **Glycyl-glutamine (beta-endorphin(30-31)) inhibits morphine-induced dopamine efflux in the nucleus accumbens**
Basaran N. F., BÜYÜKUYSAL R. L., Millington W. R., ÇAVUN S.
NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY, vol.381, no.5, pp.467-475, 2010 (SCI-Expanded)
- XVI. **Does single, low-dose preoperative dexamethasone improve outcomes after colorectal surgery based on an enhanced recovery protocol? Double-blind, randomized clinical trial**
Kirdak T., Yilmazlar A., ÇAVUN S., ERCAN İ., Yilmazlar T.
AMERICAN SURGEON, vol.74, no.2, pp.160-167, 2008 (SCI-Expanded)
- XVII. **Activation of the central cholinergic system mediates the reversal of hypotension by centrally administered U-46619, a thromboxane A2 analog, in hemorrhaged rats**
Yalcin M., Cavun S., Yilmaz M. S., Savci V.
Brain Research, vol.1118, no.1, pp.43-51, 2006 (SCI-Expanded)
- XVIII. **Hemorrhage activates proopiomelanocortin neurons in the rat hypothalamus**
Goktalay G., Cavun S., Levendusky M., Resch G., Veno P., Millington W.
Brain Research, vol.1070, no.1, pp.45-55, 2006 (SCI-Expanded)
- XIX. **Glycyl-glutamine inhibits nicotine conditioned place preference and withdrawal**
Goktalay G., Cavun S., Levendusky M., Hamilton J., Millington W.
European Journal of Pharmacology, vol.530, no.1-2, pp.95-102, 2006 (SCI-Expanded)
- XX. **Involvement of brain thromboxane A2 in hypotension induced by haemorrhage in rats**
Yalcin M., Cavun S., Yilmaz M. S., Cengiz F., Savci V.
Clinical and Experimental Pharmacology and Physiology, vol.32, no.11, pp.960-967, 2005 (SCI-Expanded)
- XXI. **Glycyl-glutamine, an endogenous β -endorphin-derived peptide, inhibits morphine-induced conditioned place preference, tolerance, dependence, and withdrawal**
Cavun S., Goktalay G., Millington W.
Journal of Pharmacology and Experimental Therapeutics, vol.315, no.2, pp.949-958, 2005 (SCI-Expanded)
- XXII. **The involvement of central cholinergic system in the pressor effect of intracerebroventricularly injected U-46619, a thromboxane A2 analog, in conscious normotensive rats**
Yalcin M., Cavun S., Yilmaz M. S., Savci V.
Naunyn-Schmiedeberg's Archives of Pharmacology, vol.372, no.1, pp.31-40, 2005 (SCI-Expanded)
- XXIII. **CDP-choline increases plasma ACTH and potentiates the stimulated release of GH, TSH and LH: The cholinergic involvement**
Cavun S., Savci V.
Fundamental and Clinical Pharmacology, vol.18, no.5, pp.513-523, 2004 (SCI-Expanded)
- XXIV. **The hypotension evoked by visceral nociception is mediated by delta opioid receptors in the periaqueductal gray**

- Cavun S., Goktalay G., Millington W.
Brain Research, vol.1019, no.1-2, pp.237-245, 2004 (SCI-Expanded)
- XXV. **Centrally injected CDP-choline increases plasma vasopressin levels by central cholinergic activation**
Cavun S., Savci V., Ulus I.
Fundamental and Clinical Pharmacology, vol.18, no.1, pp.71-77, 2004 (SCI-Expanded)
- XXVI. **Intravenously injected CDP-choline increases blood pressure and reverses hypotension in haemorrhagic shock: Effect is mediated by central cholinergic activation**
Savci V., Goktalay G., Cansev M., Cavun S., Yilmaz M. S., Ulus I.
European Journal of Pharmacology, vol.468, no.2, pp.129-139, 2003 (SCI-Expanded)
- XXVII. **Cardiovascular effects of intracerebroventricularly injected CDP-choline in normotensive and hypotensive animals: The involvement of cholinergic system**
Savci V., Cavun S., Goktalay G., Ulus I.
Naunyn-Schmiedeberg's Archives of Pharmacology, vol.365, no.5, pp.388-398, 2002 (SCI-Expanded)
- XXVIII. **Blockade of delta opioid receptors in the ventrolateral periaqueductal gray region inhibits the fall in arterial pressure evoked by hemorrhage**
Cavun S., Resch G. E., Evec A. D., Rapacon-Baker M. M., Millington W. R.
Journal of Pharmacology and Experimental Therapeutics, vol.297, no.2, pp.612-619, 2001 (SCI-Expanded)
- XXIX. **Reversal of haemorrhagic shock in rats by tetrahydroaminoacridine**
Savci V., Cavun S., Gurun M. S., Ulus I.
Pharmacology, vol.62, no.1, pp.36-44, 2001 (SCI-Expanded)
- XXX. **Evidence that hemorrhagic hypotension is mediated by the ventrolateral periaqueductal gray region**
Cavun S., Millington W. R.
American Journal of Physiology - Regulatory Integrative and Comparative Physiology, vol.281, no.3 50-3, 2001 (SCI-Expanded)
- XXXI. **Cardiovascular effects of centrally injected tetrahydroaminoacridine in conscious normotensive rats**
Savci V., Gurun M. S., Cavun S., Ulus I.
European Journal of Pharmacology, vol.346, no.1, pp.35-41, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Overview of Systemic Immune-Inflammation Index and Hematological Laboratory Findings in Fibromyalgia Syndrome**
ELLERGEZEN P., ALP A., ÇAVUN S., ÇEÇEN G. S.
Uludağ Üniversitesi Tıp Fakültesi Dergisi, vol.50, no.2, pp.131-136, 2024 (Peer-Reviewed Journal)
- II. **Vitamin D, VDR and VDBP Levels Correlate with Anti-inflammatory Cytokine Profile in FMS Patients**
Ellergezen P., Alp A., Çavun S.
Medical records-international medical journal (Online), vol.5, no.1, pp.24-28, 2022 (Peer-Reviewed Journal)
- III. **Inflammatory response markers in rats undergoing abdominal surgical procedures**
Kirdak T., Uysal E., SEZGİN E., Cecen G., ÇAVUN S.
ANNALS OF GASTROENTEROLOGY, vol.33, no.5, pp.528-535, 2020 (ESCI)

Books

- I. **Gastrointestinal İşlevi Etkileyen İlaçlar**
SEÇİLMİŞ M. A.
in: Goodman and Gilman'ın Farmakoloji ve Tedavi El Kitabı, Erdem, Remzi, Editor, Güneş Tıp Kitabevi, Ankara, pp.789-798, 2017

Papers Published in Refereed Scientific Meetings

- I. **Akılci İlaç Kullanımı**
ÇAVUN S.
15. Uludağ Ortopedi ve Travmatoloji Günleri, Bursa, Turkey, 2 - 03 March 2019
- II. **"Glycyl-Glutaminin (Gly-Gln) Molecule and Its Use in The Treatment of Depression"**
ÇAVUN S.
TIPTA İNOVASYON BULUŞMALARI 3, Gaziantep, Turkey, 11 - 13 May 2017
- III. **Exenatide treatment causes suppression of serum fasting ghrelin levels in patients with type 2 diabetes Mellitus**
Güçlü M., KÜÇÜKSARAÇ KIYICI D. S., GÜL Z., ÇAVUN S.
19th European Congress of Endocrinology 2017, Lisbon, Portugal, 20 - 23 May 2017, vol.49
- IV. **The association between olfaction and taste functions with serum ghrelin and leptin levels in obese women**
Uygun B., KÜÇÜKSARAÇ KIYICI D. S., Özmen S., GÜL Z., SİĞİRLİ D., ÇAVUN S.
19th European Congress of Endocrinology, Lisbon, Portugal, 20 - 23 May 2017, vol.49, pp.161
- V. **Gly-Gln'xxin Depresyon Tedavisinde Kullanımı**
ÇAVUN S.
Doğu Akdeniz Farmakoloji Toplantısı, Nevşehir, Turkey, 31 March - 01 April 2017
- VI. **AKILCI İLAÇ KULLANIMI**
ÇAVUN S.
13. Uludağ Pediatri Kış Kongresi, Bursa, Turkey, 12 - 15 March 2017
- VII. **The effect of exenatide treatment on serum ghrelin levels in patients with type 2 diabetes**
Figen T., Sinem K., GÜL Z., SİĞİRLİ D., Gürcan K., ÇAVUN S.
17th European Congress of Endocrinology, 16 - 20 May 2015

Supported Projects

- ÇAVUN S., ELLERGEZEN P., SEVDAR ÇEÇEN G., Project Supported by Higher Education Institutions, Tip 2 diyabet hastalığı oluşturulan sıçanlarda probiyotik kullanımının enflamatuvar süreçlerde görevli güncel immün sistem mediyatörleri üzerindeki etkisinin araştırılması, 2023 - Continues
- YILMAZ M. S., ÇAVUN S., ÖZDEMİR Ö. F., YANAR Y. B., Project Supported by Higher Education Institutions, Merkezi ve Periferik Olarak Uygulanan Glisil-Glutamin'in septik şokta kan basıncı ve doku hasarı üzerine koruyucu etkilerinin araştırılması, 2021 - Continues
- ÇAVUN S., Project Supported by Other Private Institutions, BFF-ALL protokolleri ile tedavi edilen ALL'xxli olgularda L-Asparaginaz inaktivasyon sıklığının taraması ve ölçüm metodunun kullanılabilir hale getirilmesi, 2017 - Continues
- YALÇIN M., ÇAVUN S., YILMAZ M. S., Project Supported by Higher Education Institutions, Hemorajik Şok Tedavisinde Kolinerjik Sistem ve Kannabinooidlerjik Sistem Etkileşiminin Araştırılması, 2017 - Continues
- Sevdar Çeçen G., Büyüksal R. L., Yılmaz M. S., Çavun S., Ellergezen P., Emergency R&D Project of Group A, İn-vitro sıçan beyin dilimleri modelinde iskemi-reperfüzyon hasarı üzerine Gly-Gln'in sigma-1 reseptörleri üzerinden olan etkilerinin ve bu etki mekanizmalarının araştırılması, 2024 - 2025
- GÜVENÇ BAYRAM G., SEVDAR ÇEÇEN G., TOKER M. B., KUMAŞ KULUALP M., YALÇIN M., YILMAZ M. S., ÇAVUN S., SEMEN Z., TÜBİTAK Project, Kronik Hafif Stres Modelinde Siklo Glisil-L-Glutamin Uygulamasının Erkek Üreme Sistemi Üzerine Etkilerinin Araştırılması, 2023 - 2024
- ÇAVUN S., COŞKUN B. N., DALKILIÇ H. E., ELLERGEZEN P., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi ve Behçet Hastalığında alfa9beta1 integrin ve ligandlarının incelenmesi, 2022 - 2024
- YILMAZ M. S., ÇAVUN S., YANAR Y. B., YALÇIN M., ÖZDEMİR Ö. F., Project Supported by Higher Education Institutions, Merkezi ve Periferik Olarak Uygulanan Glisil-L-Glutaminin Normal ve Hipotansif Koşullarda Plazma Adipokin Düzeylerine Etkisinin Araştırılması, 2021 - 2024
- ÇAVUN S., ALP A., Project Supported by Higher Education Institutions, Fibromiyaljili hastalarda 25(OH)D3 seviyesi ile

enflamatuvar sitokin seviyeleri arasındaki ilişkinin incelenmesi, 2020 - 2022

Çavun S., Alp A., Ellergezen P., Project Supported by Other Official Institutions, Fibromiyaljili hastalarda 25(OH)D3 seviyesi ile enflamatuvar sitokin seviyeleri arasındaki ilişkinin incelenmesi, 2019 - 2021

ÇAVUN S., Project Supported by Higher Education Institutions, PAM-4'ün farelerde ağrı ve ağrıya bağlı depresyon davranışı üzerine etkisi, 2016 - 2020

ÇAVUN S., TÜBİTAK Project, Glycyl-Glutamine (Gly-Gln)'In Antidepresan Etki Mekanizması; Etkide Serotonerjik Ve Glutamaterjik Nörotransmitter Sistemlerin Aracılığı, 2016 - 2019

YILMAZ M. S., ÇAVUN S., YALÇIN M., Project Supported by Higher Education Institutions, Nesfatin 1 in deneysel hemorajik şok koşullarında kardiyovasküler parametreler üzerine etkileri Etkide periferik mekanizmalar, 2012 - 2019

YILMAZ M. S., ÇAVUN S., Project Supported by Higher Education Institutions, Floresans dedektörlü HPLC sisteminde Gly-Gln dipeptit ölçümünün yapılması, oturtulması ve rutin kullanılır hale getirilmesi, 2017 - 2018

ÇAVUN S., Project Supported by Higher Education Institutions, Sıçan Beyin Dilimlerinde İskeminin Neden Olduğu Doku Hasarı Üzerine Glisin-Glutamin'in Etkisi, 2015 - 2016

ÇAVUN S., BÜYÜKUYSAL R. L., Project Supported by Higher Education Institutions, Sıçan Beyin Dilimlerinde İskeminin Neden Olduğu Doku Hasarı Üzerine Glisin Glutaminin Etkisi, 2015 - 2016

ÇAVUN S., Project Supported by Higher Education Institutions, İntraserebroventriküler verilen CDP kolin in serum ghrelin ve leptin düzeyleri üzerine etkisi, 2009 - 2015

AVCI B., ÇAVUN S., Project Supported by Higher Education Institutions, Sıçanlarda uzun süreli iskemi reperfüzyon modelinde n asetil sistein ve trimetazidin in s100b oksidatif stres ve apoptozis üzerindeki etkisi, 2009 - 2015

Savcı V., Eyigör Ö., Çavun S., Coşkun N. C., Project Supported by Higher Education Institutions, CDP Kolin in serebral c fos ekspresyon paternine etkisinin incelenmesi Etkinin farmakolojik parametrelerle değerlendirilmesi, 2007 - 2009

Patent

Yılmaz M. S., Çavun S., Use of Glycyl Glutamine Against Depression, Patent, CHAPTER A Human Needs, The Invention Registration Number: US9980931 , Standard Registration, 2018

Yılmaz M. S., Çavun S., Glisil-glutaminin depresyon hastalığına karşı kullanımı., Patent, CHAPTER A Human Needs, The Invention Registration Number: 2016/20162 , Standard Registration, 2017

Yılmaz M. S., Çavun S., Glisil-glutaminin depresyon hastalığına karşı kullanımı, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2014/00278 , Standard Registration, 2017

Yılmaz M. S., Çavun S., USE OF GLYCYL GLUTAMINE AGAINST DEPRESSION., Patent, CHAPTER A Human Needs, The Invention Registration Number: EP2943187 - 60 2014 005 702.0 , 2016

Çavun S., Glisil-glutaminin depresyon hastalığına karşı kullanımı, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2013/00427 , Standard Registration, 2015

Metrics

Publication: 42

Citation (WoS): 402

Citation (Scopus): 501

H-Index (WoS): 14

H-Index (Scopus): 15

Awards

Çavun S., Yılın İlaç Endüstrisi, Yılın AR-GE İnovasyon Uygulaması Ödülü, Doktors.Club, December 2018

Çavun S., Gold medal, Türk Patent Ofisi, September 2018

Çavun S., Sağlık Dünyasına Bilimsel Katkı, Sivilyay, October 2017

Çavun S., Yılın Bilim Ödülü, Hasvak, September 2017

Non Academic Experience

Albany College of Pharmacy, Post-doc fellow

Albany College of Pharmacy, Post-doc fellow

Albany College of Pharmacy, Post-doc fellow

Kastamonu, Taşköprü, Köçekli Sağlık Ocağı, Pratisyen Hekim