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Education Information

Doctorate, University of Aberdeen, Faculty Of Medical Sciences, Department Of Biomedical Sciences, United Kingdom
1995 - 1997

Post Graduate, University of London-St. George's Hospital Medical School, Tıp Fakültesi, Department Of Physiology,
United Kingdom 1994 - 1995

Under Graduate, Ankara University, Veteriner Fakültesi, Temel Alan, Turkey 1986 - 1991

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, NIH Regional Seminar on Program Funding and Grants Administration, NIH-Amerikan Sağlık Enstitüleri, 2018

Health&Medicine, 11th DKFZ Advanced Course on Digital Microscopy & Fluorescence Techniques in Cell Biology, DKFZ (The German Cancer Research Center/ Deutsches Krebsforschungszentrum) Heidelberg Üniversitesi, 2006

Dissertations

Doctorate, AN INVESTIGATION OF CALCIUM-INDUCED CALCIUM RELEASE (CICR) IN CULTURED RAT SENSORY NEURONES, University of Aberdeen, 1997

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology, Neurophysiology, Sport Physiology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp Bilimleri, 2009 - Continues

Professor, Firat University, Tıp Fakültesi, Temel Tıp Bilimleri, 2007 - 2009

Associate Professor, Firat University, Tıp Fakültesi, Temel Tıp Bilimleri, 2002 - 2007

Research Assistant, University of Aberdeen, Ims, Department Of Biomedical Sciences, 1995 - 1997

Research Assistant, University of London-St. George's Hospital Medical School, St George Hastanesi, Fizyoloji Ad, 1994 - 1995

Professional Experience

Head of Ethics Committee, Karadeniz Technical University, Ktu Hayvan Deneyleri Yerel Etik Kurulu, Ktu, 2016 - Continues

Head of Department, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp Bilimleri, 2009 - Continues

Assistant Director of the Institute, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, 2009 - 2014

Head of Department, Firat University, Tıp Fakültesi, Temel Tıp Bilimleri, 2001 - 2006

Courses

Dolaşım Fizyolojisi, Post Graduate, 2020 - 2021

Sağlık Bilimleri Alanında Bilimsel Araştırma Projesi Hazırlama, Doctorate, 2017 - 2018

Ağız Fizyolojisi, Under Graduate, 2016 - 2017

Directed Readings in Physiology, Post Graduate, 2014 - 2015

Fizyoloji - A, Under Graduate, 2013 - 2014

Advising Theses

AYAR A., Hindistan Cevizi Yağı Takviyesinin Bazal Enerji Sarfıyatı ve Egzersiz Esnasında Substrat Oksidasyonu Üzerine Etkisinin Fazla Kilolu Kişilerde İncelenmesi, Post Graduate, E.Zengin(Student), 2019

AYAR A., Elit dağ kayakçılarının sportif kapasitelerine ait fizyolojik parametrelerin kardiyopulmoner egzersiz testiyle incelenmesi, Post Graduate, K.DÜĞENCİ (Student), 2019

AYAR A., Absans epilepside duyuşal nöronlarda kalsiyum homeostazisi ve sinyalleşmesinin genetik epileptik WAG/RİJ sıçanlardan izole edilen trigeminal gangliyon hücrelerinde incelenmesi, Post Graduate, B.PERİHAN(Student), 2019

AYAR A., Diyabetik sıçanlarda mesane kasılma bozukluğuna egzersizin etkileri üzerine in vitro bir araştırma, Post Graduate, V.KELEŞ(Student), 2019

AYAR A., Seminal vezikül ve diyabetik kontraktıl disfonksiyon: egzersizin seminal vezikül kasılabilirliği üzerine etkisinin tip I diyabet sıçan modelinde incelenmesi, Post Graduate, Y.EMRE(Student), 2018

AYAR A., Kesintili pnömatik kompresyon masajının elit tekvandocularında maksimal egzersiz sonrası akut algısal yorgunluk ve fizyolojik toparlanma üzerine etkisi, Post Graduate, G.ATALI(Student), 2018

AYAR A., Diyabetik Nöropati ve Egzersiz: Diyabetik Nöropatik Ağrıya İrisinin Etkileri Üzerine Deneysel Bir İnceleme, Doctorate, Ö.Faruk(Student), 2017

AYAR A., GENÇ SEDANter BİREYLERDE TİP 1 LİF ORANI YÜKSEK KASLARA YÖNELİK YAPILAN İLERLEYİCİ DİRENÇLİ EGZERSİZİN AEROBİK KAPASİTEYE ETKİSİNİN İNCELENMESİ, Post Graduate, E.Şahin(Student), 2016

AYAR A., Epilepside Ağrı Duyarlılığının Genetik Absans Epilepsili Sıçanlar Kullanılarak İn-Vivo ve in-Vitro İncelenmesi, Doctorate, S.VELİOĞLU(Student), 2016

AYAR A., Pentilentetrazol ile Oluşturulan Nöbet Modelinde Ginkgo Bilobanın Ağrı Duyarlılığı ve Nöbetlere etkisi, Post Graduate, H.Yıldırım(Student), 2015

AYAR A., OPIORFİNİN ANALJEZİK ETKİNLİĞİ VE NORADRENERJİK MEKANİZMALARLA OLASI ETKİLEŞİMİNİN ZİMOSAN İLE TETİKLENMİŞ KRONİK İNFLAMATUAR AĞRI MODELİNDE İNCELENMESİ, Post Graduate, A.KURT(Student), 2014

AYAR A., İZOLE SİÇAN MİYOMETRİYUMUNDA METABOLİK İNHİBİSYONA BAĞLI KONTRAKTİL BASKILANMADA SODYUM-POTASYUM POMPASININ ROLÜNÜN İNCELENMESİ, Post Graduate, R.ŞAHAN(Student), 2013

AYAR A., Sıçanlarda memantin ve melatonin tedavisinin travmatik beyin hasarı sonrası etkilerinin araştırılması, Post Graduate, T.KELEŞTİMUR(Student), 2013

- AYAR A., Levettirasetamın ağrı üzerine etkilerinin in vitro elektrofizyolojik (patch kenetleme) ve in vivo (hot plate testi) yöntemlerle incelenmesi, Doctorate, M.Özcan(Student), 2006
- AYAR A., İzole sıçan miyometriyumunda metabolik inhibisyon ve kasılabilme: Hücre içi kalsiyum homeostazisinin rolü Metabolic inhibition and contractions in isolated rat myometrium: The role of intracellular calcium homeostasis., Post Graduate, S.SARAL(Student), 2005
- AYAR A., İzole sıçan miyometriyumunda metabolik inhibisyon ve kasılabilme: hücre içi kalsiyum homeostazisinin rolü?”, Fırat üniversitesi, Post Graduate, İ.Serhatlıoğlu(Student), 2005
- AYAR A., Sıçan dorsal kök ganglion hücrelerinde melatoninin voltaj bağımlı kalsiyum kanallarına etkileri, Post Graduate, M.Özcan(Student), 2001

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

- I. **Effects of gentamicin on spontaneous and agonist-induced in vitro contractions of isolated myometrial tissue from pregnant cows**
YÜKSEL M., Ocal H., AYAR A.
MEDYCYNA WETERYNARYJNA-VETERINARY MEDICINE-SCIENCE AND PRACTICE, vol.76, is.1, pp.29-33, 2020
(Journal Indexed in SCI)
- II. **. Infliximab therapy provides beneficial effects for choroidal thickness increase in patients with active ankylosing spondylitis: A possible mechanism mediating the suppressing of uveitis attacks.**
KARKUCAK M., KOLA M., KALKIŞIM A., ÇAPKIN E., AYAR A., TÜRK A.
ARCHIVES OF RHEUMATOLOGY, vol.-, 2020 (Journal Indexed in SCI Expanded)
- III. **Effects of Selected Anti-epileptic Agents on Contractility of Gastric Fundus Strips Isolated from Control Wistar and Absence Epileptic WAG/Rij Rats**
SALİHOĞLU A. K. , Kurt A., AYAR A.
ACTA PHYSIOLOGICA, vol.227, pp.25, 2019 (Journal Indexed in SCI)
- IV. **Effects of Antiepileptic Agents on Contractility of Detrusor Muscle Isolated from Wistar and Absence Epileptic WAG/Rij Rats**
SALİHOĞLU A. K. , KURT A., AYAR A.
ACTA PHYSIOLOGICA, vol.227, pp.106, 2019 (Journal Indexed in SCI)
- V. **COMPARISON OF CLINICAL OUTCOMES OF ULTRASONOGRAPHY-GUIDED AND BLIND LOCAL INJECTIONS IN FACET SYNDROME; A 6-WEEK RANDOMIZED CONTROLLED TRIAL**
KARKUCAK M., BATMAZ İ., KERİMOĞLU S., AYAR A.
JOURNAL OF BACK AND MUSCULOSKELETAL REHABILITATION, vol.-, 2019 (Journal Indexed in SCI Expanded)
- VI. **Agomelatine modulates calcium signaling through protein kinase C and phospholipase C-mediated mechanisms in rat sensory neurons**
SERHATLIOĞLU İ., Bilgin B., KAÇAR E., ÖZCAN S., CANPOLAT S., AYAR A., KELEŞTİMUR H., ÖZCAN M.
JOURNAL OF CELLULAR PHYSIOLOGY, vol.234, is.7, pp.10741-10746, 2019 (Journal Indexed in SCI)
- VII. **Agomelatine pretreatment prevents development of hyperglycemia and hypoinsulinemia in streptozotocin-induced diabetes in mice**
ÖZCAN M., CANPOLAT S., BULMUŞ Ö., ÜLKER N., TEKTEMUR A., TEKİN S., ÖZCAN S., SERHATLIOĞLU İ., KAÇAR E., AYAR A., et al.
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.33, is.2, pp.170-180, 2019 (Journal Indexed in SCI)
- VIII. **A prospective clinical investigation of the effects of anti-TNF alpha therapy on exercise capacity in patients with ankylosing spondylitis**
ÇAPKIN E., Keskin S. B. , KARKUCAK M., AYAR A.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.49, is.1, pp.27-32, 2019 (Journal Indexed in SCI)
- IX. **Eight-Weeks of Treadmill Exercise Ameliorates Bladder Contractile Dysfunction in Diabetic Rats**
AYAR A., Guler V. K. , Yucel B. P. , KALKAN Ö. F.
ACTA PHYSIOLOGICA, vol.225, pp.66, 2018 (Journal Indexed in SCI)
- X. **Does pain sensitivity increase during ictal period? Evidence from absence epileptic WAG/Rij rats**

VELİOĞLU S., GEDİKLİ Ö., Yildirim M., AYAR A.

EPILEPSY & BEHAVIOR, vol.87, pp.14-17, 2018 (Journal Indexed in SCI)

- XI. **Ivabradine inhibits carbachol-induced contractions of isolated rat urinary bladder**
Aydin H. R. , Turgut H., Kurt A., Sahan R., KALKAN Ö. F. , Eren H., AYAR A.
ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE, vol.27, is.7, pp.893-897, 2018 (Journal Indexed in SCI)
- XII. **Kisspeptin increases intracellular calcium concentration by protein kinase C-mediated signaling in the primary cultured neurons from rat hippocampus**
SERHATLIOĞLU İ., Yuksel H., KAÇAR E., ÖZCAN S., CANPOLAT S., ÖZCAN M., AYAR A., KELEŞTİMUR H.
CELLULAR AND MOLECULAR BIOLOGY, vol.64, is.7, pp.56-59, 2018 (Journal Indexed in SCI)
- XIII. **Augmented mitochondrial cytochrome c oxidase activity in children with iron deficiency: a tandem between iron and copper?**
BAHADIR A., ERDURAN E., DEĞER O., Birinci Y., AYAR A.
ARCHIVES OF MEDICAL SCIENCE, vol.14, is.1, pp.151-156, 2018 (Journal Indexed in SCI)
- XIV. **Effects of alpha-lipoic acid on retinal ganglion cells, retinal thicknesses, and VEGF production in an experimental model of diabetes**
Kan E., Alıcı O., Kan E. K. , AYAR A.
INTERNATIONAL OPHTHALMOLOGY, vol.37, is.6, pp.1269-1278, 2017 (Journal Indexed in SCI)
- XV. **Epilepsy may cause increased pain sensitivity: Evidence from absence epileptic WAG/Rij rats**
VELİOĞLU S., GEDİKLİ Ö., Yildirim M., AYAR A.
EPILEPSY & BEHAVIOR, vol.75, pp.146-150, 2017 (Journal Indexed in SCI)
- XVI. **Exercise restores diabetes-mediated contractile dysfunction of isolated rat seminal vesicle**
SURMENELI Y. E. , KURT A., KALKAN Ö. F. , YUCEL B. P. , KELES V., AYAR A.
ACTA PHYSIOLOGICA, vol.221, pp.62, 2017 (Journal Indexed in SCI)
- XVII. **Characterization of Intracellular Calcium Responses to Membrane Depolarization in Sensory Neurons from Absence Epileptic WAG/Rij Rats**
AYAR A., KALKAN Ö. F.
ACTA PHYSIOLOGICA, vol.221, pp.76, 2017 (Journal Indexed in SCI)
- XVIII. **Eight-weeks of treadmill exercise ameliorates neuropathic pain in diabetic rats**
KALKAN Ö. F. , SURMENELI Y. E. , AKTAŞ O., YUCEL B. P. , AYAR A.
ACTA PHYSIOLOGICA, vol.221, pp.194-196, 2017 (Journal Indexed in SCI)
- XIX. **Can signal peptide-CUB-EGF domain-containing protein (SCUBE) levels be a marker of angiogenesis in patients with psoriasis?**
Capkin A. A. , DEMİR S., MENTEŞE A., Bulut C., AYAR A.
ARCHIVES OF DERMATOLOGICAL RESEARCH, vol.309, is.3, pp.203-207, 2017 (Journal Indexed in SCI)
- XX. **Education and Visual Information Improves Effectiveness of Ultrasound-Guided Local Injections on Shoulder Pain and Associated Anxiety Level A Randomized Controlled Study**
KARKUCAK M., Cilesizoglu N., ÇAPKIN E., Can I., BATMAZ İ., KERİMOĞLU S., Onder M. A. , Karaca A., AYAR A.
AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.95, is.1, pp.9-14, 2016 (Journal Indexed in SCI)
- XXI. **Effects of apelin-13 in mice model of experimental pain and peripheral nociceptive signaling in rat sensory neurons**
CANPOLAT S., ÖZCAN M., Saral S., KALKAN Ö. F. , AYAR A.
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.36, is.3, pp.243-247, 2016 (Journal Indexed in SCI)
- XXII. **Spinorphin inhibits membrane depolarization- and capsaicin-induced intracellular calcium signals in rat primary nociceptive dorsal root ganglion neurons in culture**
AYAR A., ÖZCAN M., Kuzgun K. T. , KALKAN Ö. F.
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.35, is.6, pp.550-558, 2015 (Journal Indexed in SCI)
- XXIII. **Regarding Comments by Yolcu et al. on "Evaluation of Choroidal Thickness in Ankylosing Spondylitis Using Optical Coherence Tomography"**
KOLA M., Kalkisim A., KARKUCAK M., TÜRK A., ÇAPKIN E., Can I., Serdar O. F. , Mollamehmetoglu S., AYAR A.
OCULAR IMMUNOLOGY AND INFLAMMATION, vol.23, is.6, pp.465-466, 2015 (Journal Indexed in SCI)

- XXIV. **Investigation of possible interaction between the noradrenergic system and enkephalinergic system in experimental acute pain model in pain modulation**
AYAR A., GEDİKLİ Ö.
ACTA PHYSIOLOGICA, vol.215, pp.54, 2015 (Journal Indexed in SCI)
- XXV. **The effects of anaerobic threshold on V-E/VCO₂ and V-E/VO₂ during incremental exercise and constant load exercise test.**
Algul S., Ugur F. A. , AYAR A., ÖZÇELİK O.
ACTA PHYSIOLOGICA, vol.215, pp.83, 2015 (Journal Indexed in SCI)
- XXVI. **Strategies for Development, Management and Funding of Scientific Projects**
ÖZTÜRK G., AYAR A., Gozay O., YILMAZ B.
ACTA PHYSIOLOGICA, vol.215, pp.14, 2015 (Journal Indexed in SCI)
- XXVII. **Regulation of Myometrial Contractility: Focus on Ion Channels**
AYAR A.
ACTA PHYSIOLOGICA, vol.215, pp.6, 2015 (Journal Indexed in SCI)
- XXVIII. **Letter to the editors regarding comments by Yolcu U et al. on the paper titled: "Evaluation of choroidal thickness in ankylosing spondylitis using optical coherence tomography"**
KOLA M., KALKISIM A., KARKUCAK M., TÜRK A., ÇAPKIN E., Can I., Serdar O. F. , Mollamehmetoglu S., AYAR A.
OCULAR IMMUNOLOGY AND INFLAMMATION, vol.23, pp.465-466, 2015 (Journal Indexed in SCI)
- XXIX. **Education and Visual Information Improves Effectiveness of Ultrasound-Guided Local Injections on Shoulder Pain and Associated Anxiety Level: A Randomized Controlled Study.**
KARKUCAK M., ÇİLESİZOĞLU N., ÇAPKIN E., CAN I., BATMAZ I., KERİMOĞLU S., ÖNDER M. Y. , KARACA A., AYAR A.
AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.94, pp.1-5, 2015 (Journal Indexed in SCI)
- XXX. **Leptin activates cytosolic calcium responses through protein kinase-C dependent mechanism in immortalized RFamide-related peptide-3 neurons**
ÖZCAN M., Saatci T., AYAR A., CANPOLAT S., KELEŞTİMUR H.
BRAIN RESEARCH, vol.1601, pp.8-14, 2015 (Journal Indexed in SCI)
- XXXI. **In vitro effects of sodium nitroprusside and leptin on norepinephrine-induced vasoconstriction in human internal mammary artery.**
Burma O., Özcan M., KACAR E., UYSAL A., ŞAHNA E., AYAR A.
CARDIOVASCULAR JOURNAL OF AFRICA, vol.26, is.1, pp.4-7, 2015 (Journal Indexed in SCI Expanded)
- XXXII. **Effects of two antioxidants; alpha-lipoic acid and fisetin against diabetic cataract in mice**
Kan E., Kilickan E., AYAR A., Colak R.
INTERNATIONAL OPHTHALMOLOGY, vol.35, is.1, pp.115-120, 2015 (Journal Indexed in SCI)
- XXXIII. **Education and visual information improves effectiveness of ultrasound-guided local injections on shoulder pain and associated anxiety level: A Randomized controlled study**
KARKUCAK M., ÇİLESİZOĞLU YAVUZ N., ÇAPKIN E., Batmaz İ., ÖNDER A. M. , Karaca A., AYAR A.
AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.95, is.1, pp.9-14, 2015 (Journal Indexed in SCI)
- XXXIV. **In vitro effects of sodium nitroprusside and leptin on norepinephrine-induced vasoconstriction in human internal mammary artery**
Burma O., ÖZCAN M., KAÇAR E., Uysal A., ŞAHNA E., AYAR A.
CARDIOVASCULAR JOURNAL OF AFRICA, vol.26, is.1, pp.4-7, 2015 (Journal Indexed in SCI)
- XXXV. **Ultrasonographic Assessment of Soft Tissues in Patients With Acromegaly**
KOÇAK M., Civan N., KARKUCAK M., ÇAPKIN E., Garipoglu M., Can I., Karaca A., Taşdelen M., AYAR A.
ARCHIVES OF RHEUMATOLOGY, vol.30, is.2, pp.138-143, 2015 (Journal Indexed in SCI)
- XXXVI. **Evaluation of Choroidal Thickness in Ankylosing Spondylitis Using Optical Coherence Tomography**
KOLA M., Kalkisim A., KARKUCAK M., TÜRK A., ÇAPKIN E., Can I., Serdar O. F. , MOLLAMEHMETOGLU S., AYAR A.
OCULAR IMMUNOLOGY AND INFLAMMATION, vol.22, no.6, pp.434-438, 2014 (Journal Indexed in SCI)
- XXXVII. **In vitro effects of sodium nitroprusside and leptin on norepinephrine-induced vasoconstriction in human internal mammary artery**
Özcan M., Kacar E., Uysal A., Şahna E., AYAR A.

- CARDIOVASCULAR JOURNAL OF AFRICA, vol.25, is.6, pp.281-4, 2014 (Journal Indexed in SCI Expanded)
- XXXVIII. **Arterial Stiffness and Anti-Tumor Necrosis Factor-Alpha Therapy in Ankylosing Spondylitis: Results With Long-Term Two Year-Follow-Up**
KARKUCAK M., ÇAPKIN E., Kiris A., ŞAHİN M., KUCUKALI TURKYILMAZ A., KARACA A., GOKMEN F., AYAR A.
ARCHIVES OF RHEUMATOLOGY, vol.29, is.4, pp.250-256, 2014 (Journal Indexed in SCI)
- XXXIX. **Effects of Combined Use of Trosipium Chloride and Melatonin on In Vitro Contractility of Rat Urinary Bladder**
Onur R., Ozcan M., Tuygun U., Ozan T., Ayar A., Orhan I.
UROLOGY, vol.75, is.4, pp.873-877, 2010 (Journal Indexed in SCI)
- XL. **Effects of levobupivacaine and bupivacaine on intracellular calcium signaling in cultured rat dorsal root ganglion neurons**
Ozcan M., AYAR A., Alcin E., Ozcan S., Kutlu S.
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.30, is.2, pp.115-120, 2010 (Journal Indexed in SCI)
- XLI. **Antinociceptive efficacy of levetiracetam in a mice model for painful diabetic neuropathy**
Ozcan M., Ayar A., Canpolat S., Kutlu S.
ACTA ANAESTHESIOLOGICA SCANDINAVICA, vol.52, is.7, pp.926-930, 2008 (Journal Indexed in SCI)
- XLII. **Children and adolescents with obesity and the metabolic syndrome have high circulating cortisol levels**
Sen Y., Aygun D., Yilmaz E., Ayar A.
NEUROENDOCRINOLOGY LETTERS, vol.29, is.1, pp.141-145, 2008 (Journal Indexed in SCI)
- XLIII. **Tocolytic effect of parecoxib, a new parenteral cyclo-oxygenase-2-specific inhibitor, on the spontaneous and prostaglandin-induced contractions of rat isolated myometrium**
AYAR A.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.34, is.8, pp.737-741, 2007 (Journal Indexed in SCI)
- XLIV. **Correlative study of the cognitive impairment, regional cerebral blood flow, and electroencephalogram abnormalities in children with Down's Syndrome**
Aydin M., Kabakus N., Balci T. A., Ayar A.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.117, is.3, pp.327-336, 2007 (Journal Indexed in SCI)
- XLV. **Sildenafil citrate inhibits agonist induced contractions in isolated rat seminal vesicles**
Orhan I., Onur R., Tasdemir C., Ayar A., Kadioglu A.
JOURNAL OF UROLOGY, vol.175, is.6, pp.2350-2353, 2006 (Journal Indexed in SCI)
- XLVI. **Patients with multiple sclerosis have higher levels of serum ghrelin**
Berilgen M., Bulut S., Ustundag B., Tekatas A., Ayar A.
NEUROENDOCRINOLOGY LETTERS, vol.26, is.6, pp.819-822, 2005 (Journal Indexed in SCI)
- XLVII. **Ibuprofen reduces plasma nitrite/nitrate levels in a rabbit model of endotoxin-induced shock**
Akbulut H., Celik I., Ayar A., Vural P., Canbaz M.
NEUROENDOCRINOLOGY LETTERS, vol.26, is.4, pp.407-412, 2005 (Journal Indexed in SCI)
- XLVIII. **Inhibitory effects of sildenafil citrate on the tonus of isolated dog internal anal sphincter**
Aygen E., Camci C., Durmus A., Dogru O., Topuz O., Ayten R., Ayar A.
DISEASES OF THE COLON & RECTUM, vol.48, is.8, pp.1615-1619, 2005 (Journal Indexed in SCI)
- XLIX. **Effects of different weight loss protocols on serum leptin levels in obese females**
Ozcelik O., Dogan H., Celik H., Ayar A., Serhatlioglu S., Kelestimur H.
PHYSIOLOGICAL RESEARCH, vol.54, is.3, pp.271-277, 2005 (Journal Indexed in SCI)
- L. **The inhibitory role of melatonin on isolated guinea-pig urinary bladder: an endogenous hormone effect**
Semercioz A., Onur R., Ayar A., Orhan I.
BJU INTERNATIONAL, vol.94, is.9, pp.1373-1376, 2004 (Journal Indexed in SCI)
- LI. **Investigation of the influence of training status on the relationship between the acute exercise and serum leptin levels in obese females**
Ozcelik O., Celik H., Ayar A., Serhatlioglu S., Kelestimur H.

- NEUROENDOCRINOLOGY LETTERS, vol.25, is.5, pp.381-385, 2004 (Journal Indexed in SCI)
- LII. **Effects of gentamicin sulfate on the contractility of myometrium isolated from non-pregnant cows**
Ocal H., Yuksel M., Ayar A.
ANIMAL REPRODUCTION SCIENCE, vol.84, pp.269-277, 2004 (Journal Indexed in SCI)
- LIII. **Diminished cellular and humoral immunity in workers occupationally exposed to low levels of ionizing radiation**
Godekmerdan A., Ozden M., Ayar A., Gursu M., Ozan A., Serhatlioglu S.
ARCHIVES OF MEDICAL RESEARCH, vol.35, is.4, pp.324-328, 2004 (Journal Indexed in SCI)
- LIV. **Epidemiological features of irritable bowel syndrome in a Turkish urban society**
Celebi S., Acik Y., Deveci S., Bahcecioglu I., Ayar A., Demir A., Durukan P.
JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol.19, is.7, pp.738-743, 2004 (Journal Indexed in SCI)
- LV. **Possible effects of melatonin on thymus gland after pinealectomy in rats**
Oner H., Kus I., Oner J., Ogeturk M., Ozan E., Ayar A.
NEUROENDOCRINOLOGY LETTERS, vol.25, pp.115-118, 2004 (Journal Indexed in SCI)
- LVI. **Effects of body mass index on maximal work production capacity and aerobic fitness during incremental exercise**
Ozcelik O., Aslan M., Ayar A., Kelestimur H.
PHYSIOLOGICAL RESEARCH, vol.53, is.2, pp.165-170, 2004 (Journal Indexed in SCI)
- LVII. **The correlation between plasma homocysteine and malondialdehyde levels in preeclampsia**
Tug N., Celik H., Cikim G., Ozcelik O., Ayar A.
NEUROENDOCRINOLOGY LETTERS, vol.24, is.6, pp.445-448, 2003 (Journal Indexed in SCI)
- LVIII. **Hyperhomocysteinemia may be a resistance factor in tocolytic treatment with beta mimetics**
Celik H., Ayar A., Tug N.
MEDICAL HYPOTHESES, vol.61, pp.580-582, 2003 (Journal Indexed in SCI)
- LIX. **Effects of melatonin and oxytetracycline in autologous intraperitoneal ovary transplantation in rats**
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Main Meeting of The Pysiological Society, Cambridge, United Kingdom, 14 - 16 June 2008

Supported Projects

AYAR A., TUBITAK Project, Obezite, Stres Ve Egzersize Bağlı Olarak Beyinde Meydana Gelen Fizyopatolojik Değişikliklerin

Belirlenmesi, 2014 - 2019

AYAR A., TUBITAK Project, Yeni Bir Antidepresan Olan Agomelatinin Periferik Nosisepsiyon Üzerindeki Etkinliđinin In Vivo Ve In Vitro Yöntemlerle Arařtırılması, 2016 - 2018

MENTEŐE A., AYAR A., KALKAN Ö. F. , YILDIRIM M., TUBITAK Project, Epilepside Ağrı Duyarlılıđının Genetik Absans Epilepsili Sıçanlar Kullanılarak in-vivo ve in-vitro İncelenmesi, 2015 - 2018

AYAR A., TUBITAK Project, Ankilozan Spondilit Hastalarında Hastalık Aktivite Dönemlerine Göre Uyku Kalitesi ve Fiziksel Aktivitenin Deđerlendirilmesi, 2016 - 2017

AYAR A., KALKAN Ö. F. , TUBITAK Project, Nosiseptif periferik nöron hücre kültürü modelinde enkefalin yıkımlayıcı enzim inhibitörlerinin hücre içi kalsiyum sinyalleşmesine etkileri, 2010 - 2012

AYAR A., TUBITAK Project, Diři Sıçanlarda Enerji Durumu ve Pineal Bezin Puberteye Geçiř Üzerindeki Nöroendokrin Etkilerinin Deneysel Olarak Arařtırılması, 2008 - 2009

AYAR A., ŐAHİN Z., TUBITAK Project, Oreksin/Hipokretinlerin Ağrı Üzerine Etkilerinin Sıçan Duyusal sinir Hücre Kültürü modeli Kullanılarak elektrofizyolojik ve Moleküler İncelenmesi, 2005 - 2009

Activities in Scientific Journals

Türkiye Klinikleri Tıp Bilimleri Dergisi, Advisory Committee Member, 2008 - Continues

Fırat Üniversitesi Sađlık Bilimleri Tıp Dergisi, Evaluation Committee Member, 2008 - Continues

Fırat Tıp Dergisi, Assistant Editor, 2002 - 2006

Memberships / Tasks in Scientific Organizations

Türk Nöroendokrinoloji Derneđi, Chairman, 2018 - Continues

Nöroendokrinoloji Derneđi, Member, 2009 - Continues

The Physiological Society, Member, 2007 - Continues

Türk Farmakoloji Derneđi, Member, 1999 - Continues

British Pharmacological Society, Member, 1994 - 1998

Scientific Refereeing

INFLAMMATION RESEARCH, SCI Journal, February 2021

Project Supported by Higher Education Institutions, BAP Research Project, Hacettepe University, Turkey, February 2021

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JOVE-JOURNAL OF VISUALIZED EXPERIMENTS, SCI Journal, October 2020

ARCHIVES OF MEDICAL SCIENCE, Journal Indexed in SCI-E, February 2020

ANDROLOGIA, Journal Indexed in SSCI, February 2019

ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, Journal Indexed in SSCI, November 2018

SCIENTIFIC REPORTS, SCI Journal, March 2018

Neuropeptides, Journal Indexed in SSCI, August 2016

Brain Research, SCI Journal, July 2016

April 2016

Project Supported by Higher Education Institutions, February 2015

Balkan Medical Journal, National Scientific Refreed Journal, December 2014

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Project Supported by Higher Education Institutions, May 2014

Research in Veterinary Science, Journal Indexed in SSCI, February 2014
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International Journal of Psychiatry in Clinical Practice, SCI Journal, November 2013
Project Supported by Higher Education Institutions, November 2013
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Project Supported by Higher Education Institutions, April 2012
Project Supported by Higher Education Institutions, July 2011

Scientific Consultations

TÜBİTAK, Project Consultancy, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp Bilimleri, Turkey, 2015 - 2015
Fırat üniversitesi, Project Consultancy, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp Bilimleri, Turkey, 2014 - 2014

Tasks In Event Organizations

Ayar A., 4. Uluslararası Nöroendokrinoloji Kongresi, Scientific Congress, İstanbul, Turkey, Kasım 2020
Ayar A., 17. Ulusal Sinirbilim Kongresi , Scientific Congress, Trabzon, Turkey, Nisan 2019

Scientific Research / Working Group Memberships

TÜBİTAK 1003 - Öncelikli Alanlar Ar-Ge Projeleri Destekleme Program- İnsan Beyni Çağrısı, KARADENİZ TEKNİK ÜNİVERSİTESİ, Turkey, 2018 - Continues
Proje Destek Dairesi, Türkiye Sağlık Enstitüleri Başkanlığı, Turkey, www.tuseb.gov.tr, 2018 - Continues
TÜBİTAK- Sağlık Bilimleri Araştırma Destek Grubu- DK Üyesi, KARADENİZ TEKNİK ÜNİVERSİTESİ, Turkey, www.tubitak.gov.tr, 2018 - 2019
TÜBİTAK- Sağlık Bilimleri Araştırma Destek Grubu- Nörodejeneratif Hastalıklar ÇPDK, KARADENİZ TEKNİK ÜNİVERSİTESİ, Turkey, 2018 - 2019
TÜBİTAK- Sağlık Bilimleri Araştırma Destek Grubu- Nörodejeneratif Hastalıklar ÇPDK, KARADENİZ TEKNİK ÜNİVERSİTESİ, Turkey, www.tubitak.gov.tr, 2015 - 2016

Invited Congress and Symposium Activities

45. Ulusal Fizioloji Kongresi, Session Moderator, Aydın, Turkey, 2019
Seminer- NESAM Sinirbilim Uygulama ve Araştırma Merkezi, Invited Speaker, Konya, Turkey, 2019
45. Ulusal Fizioloji Kongresi, Panelists, Aydın, Turkey, 2019
Physiology2019 (Annual Meeting of The British Physiological Society), Attendee, Aberdeen, Scotland, 2019
Europhysiology, Attendee, London, United Kingdom, 2018
ICN 2018- 9th International Congress of Neuroendocrinology, Attendee, Toronto, Canada, 2018
Amerika Birleşik Devletleri Ulusal Sağlık Enstitüleri Bilimsel Araştırma Projesi Hazırlama ve Yönetim Semineri (Ing: National Institute of Health-NIH 2018 Regional Seminar on Program Funding and Grants Administration in Washington, D.C, Attendee, Washington, United States Of America, 2018
Hayvan deneyleri yerel etik kurulları eğitim semineri, Attendee, Ankara, Turkey, 2018
FEPS-2017 (The joint meeting of the Federation of European Physiological Societies (FEPS) and the Austrian Physiological Society), Attendee, Wien, Austria, 2017
43. Ulusal Fizioloji Kongresi, Session Moderator, Denizli, Turkey, 2017
IUPS (38th IUPS Congress - the RHYTHMS OF LIFE), Attendee, Rio De Janeiro, Brazil, 2017
Physiology2016 (Amerikan & İngiliz Fizioloji Derneği Ortak Toplantısı), Attendee, Dublin, Ireland, 2016

41. Ulusal Fizyoloji Kongresi, Attendee, Çanakkale, Turkey, 2015
41. Ulusal Fizyoloji Kongresi, Panelists, Çanakkale, Turkey, 2015
41. Ulusal Fizyoloji Kongresi, Moderator, Çanakkale, Turkey, 2015
FEPS2015, Attendee, Kaunas, Lithuania, 2015
FEPS 2015-The Joint Meeting of the Federation of European Physiological Societies and the Baltic Physiological Societies in Kaunas, Lithuania, Attendee, Kaunas, Lithuania, 2015
Physiology2015 (British Physiological Society Main Annual Meeting), Attendee, Cardiff, United Kingdom, 2015
13. ULUSAL SİNİRBİLİM KONGRESİ, Session Moderator, Konya, Turkey, 2015
13. Ulusal Sinirbilimleri Kongresi, Attendee, Konya, Turkey, 2015
FEPS2014, Attendee, Budapest, Hungary, 2014
FEPS 2014, Panelists, Hungary, 2014
IUPS 2013 International Union of Physiological Sciences, Attendee, Birmingham, United Kingdom, 2013
Physiology2012, Attendee, Edinburgh, United Kingdom, 2012
BSN 2012 Annual meeting of British Society for Neuroscience, Attendee, Aberdeen, United Kingdom, 2012
FEPS 2011 (Federation of European Physiological Societies), Attendee, İSTANBUL, Turkey, 2011
The annual British Society for Neuroendocrinology (BSN) meeting, Attendee, Chelmsford, United Kingdom, 2011
Physiology 2011 (Main Annual Meeting of The Physiological Society), Attendee, Oxford, United Kingdom, 2011
Physiology201 (Scientific Meeting held at University of Manchester), Attendee, Manchester, United Kingdom, 2010
EHRlich II -2nd World Conference on Magic Bullets Celebrating the 100th Anniversary of the Celebrating the 100th Anniversary of the Nobel Prize Award to Paul Ehrlich, Attendee, Nuremberg, Germany, 2008
2nd World Conference on Magic Bullets (Ehrlich II), Invited Speaker, Germany, 2008
Physiological Society meeting held at University of Aberdeen, Attendee, Aberdeen, Scotland, 2000
25. Ulusal Fizyoloji Kongresi, Attendee, Elazığ, Turkey, 1999
24. ulusal fizyoloji kongresi, Attendee, Samsun, Turkey, 1998
Joint meeting of the British Pharmacological Society and the Nordic Pharmacological Societies. University of Dundee. 11-13 September 1996, Attendee, Dundee, United Kingdom, 1996
British Pharmacological Society Meeting, Brighton Conference Center, Attendee, Brighton, United Kingdom, 1994

Citations

Total Citations (WOS):604

h-index (WOS):15

Awards

AYAR A., Sağlık Bilimleri Alanında Popüler Bilim Ödülü, Populer Bilim Dergisi, March 2008