

İSMAIL HAKKI ULUS

PROF.

Email : ihakki.ulus@acibadem.edu.tr

International Researcher IDs

ORCID: 0000-0002-3239-904X

ScopusID: 7004271086

Yoksis Researcher ID: 10653



Learning Knowledge

Expertise In Medicine
1969 - 1972

Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey

Undergraduate
1963 - 1969

Ankara University, Ankara Tıp Fakültesi, Ankara Tıp Pr., Turkey

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Professor
2009 - Continues

Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences

Professor
1989 - 2009

Bursa Uludağ University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü

Associate Professor
1977 - 1989

Bursa Uludağ University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü

Supported Projects

1. Yılmaz Z., Cansev M., Baykal A. T., Ulus İ. H., TÜBİTAK - AB COST Project, Buzağı endotoksemisinin tanı ve tedavisinde yeni yaklaşımlar Proteomik inceleme ve intravenöz kolin etkisi, 2011 - 2013
2. Cansev M., Ulus İ. H., TÜBİTAK - AB COST Project, Dışarıdan verilen pirimidin bileşiklerinin sıçanlarda pirimidinerjik nörotransmisyonu etkileri diğer nörotransmitter sistemleri ile etkileşimler, 2009 - 2012
3. Yılmaz Z., Cansev M., Özarda Y., İnan O. E., Kocatürk M., Ulus İ. H., TUBİTAK Project, Endotoksemili Köpeklerde

Awards

1. Caner B., Kafa İ. M., Bekar A., Kurt A., Karlı H. N., Cansev M., Ulus İ. H., TNDER Bilimsel Araştırma Ödülü, Türk Nöroşirurji Derneği, March 2013
2. Ulus İ. H., TÜBİTAK BİLİM ÖDÜLÜ, Tübitak, July 1999

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Choline or CDP-choline restores hypotension and improves myocardial and respiratory functions in dogs with experimentally - Induced endotoxemic shock.**
Kocaturk M., Yilmaz Z., Cansev M., Ozarda Y., Ceron J. J., Buturak A., Ulus I. H.
Research in veterinary science, vol.141, pp.116-128, 2021 (SCI-Expanded)
2. **Nasal secretory protein changes following intravenous choline administration in calves with experimentally induced endotoxaemia**
KOCATÜRK M., Inan O. E., Tvarijonaviciute A., Sahin B., BAYKAL A. T., CANSEV M., Ceron J. J., YILMAZ Z., ULUS İ. H.
VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY, vol.233, 2021 (SCI-Expanded)
3. **Serum choline and butyrylcholinesterase changes in response to endotoxin in calves receiving intravenous choline administration**
Inan O. E., Tvarijonaviciute A., KOCATÜRK M., Rubio C. P., KASAP S., CANSEV M., Ceron J. J., YILMAZ Z., ULUS İ. H.
Research in Veterinary Science, vol.125, pp.290-297, 2019 (SCI-Expanded)
4. **Proteomics Analysis of CA1 Region of the Hippocampus in Pre-, Progression and Pathological Stages in a Mouse Model of the Alzheimer's Disease**
Gurel B., CANSEV M., Koc C., ÖCALAN B., ÇAKIR A., Aydin S., KAHVECİ N., ULUS İ. H., Sahin B., Basar M. K., et al.
CURRENT ALZHEIMER RESEARCH, vol.16, no.7, pp.613-621, 2019 (SCI-Expanded)
5. **Early Stage Alterations in CA1 Extracellular Region Proteins Indicate Dysregulation of IL6 and Iron Homeostasis in the 5XFAD Alzheimer's Disease Mouse Model**
Gurel B., CANSEV M., Sevinc C., Kelestemur S., ÖCALAN B., ÇAKIR A., Aydin S., KAHVECİ N., OZANSOY M., Taskapilioglu O., et al.
JOURNAL OF ALZHEIMERS DISEASE, vol.61, no.4, pp.1399-1409, 2018 (SCI-Expanded)
6. **Changes in serum proteins after endotoxin administration in healthy and choline-treated calves.**
YILMAZ Z., Inan O., Kocaturk M., BAYKAL A. T., Hacariz O., Hatipoglu I., Tvarijonaviciute A., CANSEV M., Ceron J., Ulus İ. H.
BMC veterinary research, vol.12, no.1, pp.210, 2016 (SCI-Expanded)
7. **Evidence for the existence of pyrimidinergic transmission in rat brain**
CANSEV M., Orhan F., Yaylagul E. O., Isik E., Turkyilmaz M., Aydin S., Gumus A., Sevinc C., Coskun N., ULUS İ. H., et al.
NEUROPHARMACOLOGY, vol.91, pp.77-86, 2015 (SCI-Expanded)
8. **Breast Milk Choline Contents Are Associated with Inflammatory Status of Breastfeeding Women**
ÖZARDA Y., CANSEV M., ULUS İ. H.
JOURNAL OF HUMAN LACTATION, vol.30, no.2, pp.161-166, 2014 (SCI-Expanded)
9. **Relations of Human Breastmilk Choline Content with Maternal Hormonal Status**
ÖZARDA Y., CANSEV M., ULUS İ. H.
BREASTFEEDING MEDICINE, vol.9, no.1, pp.39-41, 2014 (SCI-Expanded)
10. **Plasma Concentrations of Isoniazid and Rifampin Are Decreased in Adult Pulmonary Tuberculosis Patients with Diabetes Mellitus**
Babalik A., ULUS İ. H., Bakirci N., Kuyucu T., Arpag H., Dagydizi L., Capaner E.
ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol.57, no.11, pp.5740-5742, 2013 (SCI-Expanded)
11. **Pharmacokinetics and serum concentrations of antimycobacterial drugs in adult Turkish patients**

Babalik A., Ulus İ. H., Bakirci N., Kuyucu T., Arpag H., Dagyildiz L., Carpaner E.

INTERNATIONAL JOURNAL OF TUBERCULOSIS AND LUNG DISEASE, vol.17, no.11, pp.1442-1447, 2013 (SCI-Expanded)

12. **Prevention of Epidural Fibrosis in Rats by Local or Systemic Administration of Citicoline**
Savran M., BEKAR A., CANSEV M., Tolunay S., ULUS İ. H., Taskapilioglu M. O.
TURKISH NEUROSURGERY, vol.22, no.5, pp.634-640, 2012 (SCI-Expanded)
13. **Intraperitoneal administration of CDP-choline or a combination of cytidine plus choline improves nerve regeneration and functional recovery in a rat model of sciatic nerve injury**
Caner B., Kafa M. I., BEKAR A., Kurt M. A., Karli N., CANSEV M., ULUS İ. H.
NEUROLOGICAL RESEARCH, vol.34, no.3, pp.238-245, 2012 (SCI-Expanded)
14. **Preliminary Notes for Ethical Conduct of Animal Experimentation with Special Reference to Studies in Turkey**
Ulman Y. I., Ulus I. H., Özpınar A., Genç S. V.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.17, no.6, pp.1051-1056, 2011 (SCI-Expanded)
15. **CDP-choline and its endogenous metabolites, cytidine and choline, promote the nerve regeneration and improve the functional recovery of injured rat sciatic nerves**
Aslan E., KOCAELİ H., BEKAR A., TOLUNAY Ş., ULUS İ. H.
NEUROLOGICAL RESEARCH, vol.33, no.7, pp.766-773, 2011 (SCI-Expanded)
16. **Oral Administration of Phosphatide Precursors Enhances Learning and Memory by Promoting Synaptogenesis**
CANSEV M., ULUS İ. H.
HANDBOOK OF BEHAVIOR, FOOD AND NUTRITION, pp.489-504, 2011 (SCI-Expanded)
17. **Nutritional modifiers of aging brain function: use of uridine and other phosphatide precursors to increase formation of brain synapses**
Wurtman R. J., CANSEV M., Sakamoto T., Ulus İ. H.
NUTRITION REVIEWS, vol.68, no.12, 2010 (SCI-Expanded)
18. **Choline or CDP-choline attenuates coagulation abnormalities and prevents the development of acute disseminated intravascular coagulation in dogs during endotoxemia**
YILMAZ Z., Ozarda Y., CANSEV M., Eralp O., KOCATÜRK M., ULUS İ. H.
BLOOD COAGULATION & FIBRINOLYSIS, vol.21, no.4, pp.339-348, 2010 (SCI-Expanded)
19. **CHOLINE OR CDP-CHOLINE ALTERS SERUM LIPID RESPONSES TO ENDOTOXIN IN DOGS AND RATS: INVOLVEMENT OF THE PERIPHERAL NICOTINIC ACETYLCHOLINE RECEPTORS**
Ilcol Y. O., YILMAZ Z., CANSEV M., Ulus İ. H.
SHOCK, vol.32, no.3, pp.286-294, 2009 (SCI-Expanded)
20. **Giving uridine and/or docosahexaenoic acid orally to rat dams during gestation and nursing increases synaptic elements in brains of weanling pups**
Cansev M., Marzloff G., Sakamoto T., Ulus İ. H., Wurtman R. J.
Developmental Neuroscience, vol.31, no.3, pp.181-192, 2009 (SCI-Expanded)
21. **SYNAPSE FORMATION IS ENHANCED BY ORAL ADMINISTRATION OF URIDINE AND DHA, THE CIRCULATING PRECURSORS OF BRAIN PHOSPHATIDES**
Wurtman R. J., CANSEV M., Ulus İ. H.
JOURNAL OF NUTRITION HEALTH & AGING, vol.13, no.3, pp.189-197, 2009 (SCI-Expanded)
22. **Use of Phosphatide Precursors to Promote Synaptogenesis**
Wurtman R. J., CANSEV M., Sakamoto T., Ulus İ. H.
ANNUAL REVIEW OF NUTRITION, vol.29, pp.59-87, 2009 (SCI-Expanded)
23. **Restorative effects of uridine plus docosahexaenoic acid in a rat model of Parkinson's disease**
Cansev M., Ulus İ. H., Wang L., Maher T. J., Wurtman R. J.
NEUROSCIENCE RESEARCH, vol.62, no.3, pp.206-209, 2008 (SCI-Expanded)
24. **Central choline suppresses plasma renin response to graded haemorrhage in rats**
Isbil-Buyukcokkun N., Ilcol Y. O., CANSEV M., Hamurtekin E., Ozluk K., Ulus İ. H.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.35, no.9, pp.1023-1031, 2008 (SCI-

Expanded)

25. **Choline, CDP-choline or phosphocholine increases plasma glucagon in rats: Involvement of the peripheral autonomic nervous system**
Cansev M., Ilcol Y. O., Yilmaz M. S., Hamurtekin E., Ulus İ. H.
European Journal of Pharmacology, vol.589, pp.315-322, 2008 (SCI-Expanded)
26. **Endotoxin increases plasma leptin and ghrelin levels in dogs**
YILMAZ Z., Ilcol Y. O., Ulus İ. H.
CRITICAL CARE MEDICINE, vol.36, no.3, pp.828-833, 2008 (SCI-Expanded)
27. **Oral administration of circulating precursors for membrane phosphatides can promote the synthesis of new brain synapses**
Cansev M., Wurtman R. J., Sakamoto J., Ulus İ. H.
ALZHEIMERS & DEMENTIA, vol.4, no.1, 2008 (SCI-Expanded)
28. **Peripheral administration of CDP-choline and its cholinergic metabolites increases serum insulin: Muscarinic and nicotinic acetylcholine receptors are both involved in their actions**
Ilcol Y. O., CANSEV M., YILMAZ M. S., Hamurtekin E., Ulus İ. H.
NEUROSCIENCE LETTERS, vol.431, no.1, pp.71-76, 2008 (SCI-Expanded)
29. **Citicoline improves functional recovery, promotes nerve regeneration, and reduces postoperative scarring after peripheral nerve surgery in rats**
Özay R., Bekar A., Kocaeli H., Karli N., Filiz G., Ulus İ. H.
Surgical Neurology, vol.68, no.6, pp.615-622, 2007 (SCI-Expanded)
30. **Cardiovascular effects of CDP-choline and its metabolites: Involvement of peripheral autonomic nervous system**
Cansev M., YILMAZ M. S., Ilcol Y. O., Hamurtekin E., Ulus İ. H.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.577, no.1-3, pp.129-142, 2007 (SCI-Expanded)
31. **Frequency of mutated allele CYP2D6*4 in the Turkish population**
Koseler A., Ilcol Y. O., Ulus İ. H.
Pharmacology, vol.79, no.4, pp.203-206, 2007 (SCI-Expanded)
32. **Cytidine and uridine increase striatal CDP-choline levels without decreasing acetylcholine synthesis or release**
Ulus İ. H., Watkins C. J., Cansev M., Wurtman R. J.
CELLULAR AND MOLECULAR NEUROBIOLOGY, vol.26, no.4-6, pp.563-577, 2006 (SCI-Expanded)
33. **Synaptic proteins and phospholipids are increased in gerbil brain by administering uridine plus docosahexaenoic acid orally**
Wurtman R. J., Ulus İ. H., Cansev M., Watkins C. J., Wang L., Marzloff G.
BRAIN RESEARCH, vol.1088, pp.83-92, 2006 (SCI-Expanded)
34. **Elevation of serum cerebral injury markers correlates with serum choline decline after coronary artery bypass grafting surgery**
Ilcol Y. O., Basagan-Mogol E., Cengiz M., Ulus İ. H.
Clinical Chemistry and Laboratory Medicine, vol.44, no.4, pp.471-478, 2006 (SCI-Expanded)
35. **Intravenous administration of choline or CDP-choline improves platelet count and platelet closure times in endotoxin-treated dogs**
Yilmaz Z., Ilcol Y., Torun S., Ulus İ. H.
SHOCK, vol.25, no.1, pp.73-79, 2006 (SCI-Expanded)
36. **Endotoxin alters serum-free choline and phospholipid-bound choline concentrations, and choline administration attenuates endotoxin-induced organ injury in dogs**
Ilcol Y., Yilmaz Z., Ulus İ. H.
SHOCK, vol.24, no.3, pp.288-293, 2005 (SCI-Expanded)
37. **Choline status in newborns, infants, children, breast-feeding women, breast-fed infants and human breast milk**
Ilcol Y., Ozbek R., Hamurtekin E., Ulus İ. H.
JOURNAL OF NUTRITIONAL BIOCHEMISTRY, vol.16, no.8, pp.489-499, 2005 (SCI-Expanded)

38. **Investigation of diagnostic importance of platelet closure times measured by Platelet Function Analyzer--PFA 100 in dogs with endotoxemia.**
Yilmaz Z., Ilcol Y. O., Ulus İ. H.
Berliner und Munchener tierarztliche Wochenschrift, vol.118, no.7-8, pp.341-8, 2005 (SCI-Expanded)
39. **Vitamin A deficiency in patients with common variable immunodeficiency**
Kilic S., Kezer E., Ilcol Y., Yakut T., Aydin S., Ulus İ. H.
JOURNAL OF CLINICAL IMMUNOLOGY, vol.25, no.3, pp.275-280, 2005 (SCI-Expanded)
40. **Centrally injected CDP-choline increases plasma vasopressin levels by central cholinergic activation**
Cavun S., Savci V., Ulus İ. H.
Fundamental and Clinical Pharmacology, vol.18, no.1, pp.71-77, 2004 (SCI-Expanded)
41. **Declines in serum free and bound choline concentrations in humans after three different types of major surgery**
Ilcol Y., Uncu G., GÖREN S., Sayan E., Ulus İ. H.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.42, no.12, pp.1390-1395, 2004 (SCI-Expanded)
42. **Choline potentiates the pressor response evoked by glycyl-glutamine or naloxone in haemorrhaged rats**
Gurun M., Millington W., Ulus İ. H.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.30, no.9, pp.640-642, 2003 (SCI-Expanded)
43. **Stimulation of CDP-choline synthesis by uridine or cytidine in PC12 rat pheochromocytoma cells**
Richardson U. I., Watkins C. J., Pierre C., Ulus İ. H., Wurtman R. J.
Brain Research, vol.971, no.2, pp.161-167, 2003 (SCI-Expanded)
44. **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 İ. H.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.468, no.2, pp.129-139, 2003 (SCI-Expanded)
45. **Serum free and phospholipid-bound choline decrease after surgery and methylprednisolone administration in dogs**
Ilcol Y. O., Yilmaz Z., Ulus İ. H.
Neuroscience Letters, vol.339, no.3, pp.195-198, 2003 (SCI-Expanded)
46. **Choline increases serum insulin in rat when injected intraperitoneally and augments basal and stimulated acetylcholine release from the rat minced pancreas in vitro**
Ilcol Y., Gurun M., Taga Y., Ulus İ. H.
EUROPEAN JOURNAL OF BIOCHEMISTRY, vol.270, no.5, pp.991-999, 2003 (SCI-Expanded)
47. **Free and phospholipid-bound choline concentrations in serum during pregnancy, after delivery and in newborns**
Ozarda Ilcol Y., Uncu G., Ulus İ. H.
Archives of Physiology and Biochemistry, vol.110, no.5, pp.393-399, 2002 (SCI-Expanded)
48. **Intracerebroventricular choline increases plasma vasopressin and augments plasma vasopressin response to osmotic stimulation and hemorrhage**
Savci V., Goktalay G., Ulus İ. H.
Brain Research, vol.942, pp.58-70, 2002 (SCI-Expanded)
49. **Free choline and phospholipid-bound choline concentrations in serum and dialysate during peritoneal dialysis in children and adults**
Ilcol Y., DÖNMEZ O., Yavuz M., Dilek K., Yurtkuran M., Ulus İ. H.
CLINICAL BIOCHEMISTRY, vol.35, no.4, pp.307-313, 2002 (SCI-Expanded)
50. **Intraperitoneal administration of choline increases serum glucose in rat: Involvement of the sympathoadrenal system**
Ilcol Y., Gurun M., Taga Y., Ulus İ. H.
HORMONE AND METABOLIC RESEARCH, vol.34, no.6, pp.341-347, 2002 (SCI-Expanded)
51. **Cardiovascular effects of intracerebroventricularly injected CDP-choline in normotensive and**

hypotensive animals: The involvement of cholinergic system

Savci V., Cavun S., Goktalay G., Ulus İ. H.

Naunyn-Schmiedeberg's Archives of Pharmacology, vol.365, no.5, pp.388-398, 2002 (SCI-Expanded)

52. **The decline in serum choline concentration in humans during and after surgery is associated with the elevation of cortisol, adrenocorticotrophic hormone, prolactin and β -endorphin concentrations**
Ozarda İçöl Y., Özyurt G., Klcturgay S., Uncu G., Ulus İ. H.
Neuroscience Letters, vol.324, no.1, pp.41-44, 2002 (SCI-Expanded)
53. **Changes of plasma free choline and choline-containing compounds' concentrations and choline loss during hemodialysis in ESRD patients**
Ilcol Y., Dilek K., Yurtkuran M., Ulus İ. H.
CLINICAL BIOCHEMISTRY, vol.35, no.3, pp.233-239, 2002 (SCI-Expanded)
54. **Hyperglycemia induced by intracerebroventricular choline: involvement of the sympatho-adrenal system**
Gurun M., Ilcol Y., Taga Y., Ulus İ. H.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.438, no.3, pp.197-205, 2002 (SCI-Expanded)
55. **Central injection of captopril inhibits the blood pressure response to intracerebroventricular choline**
Isbil-Buyukcoskun N., Gulec G., Ozluk K., Ulus İ. H.
BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH, vol.34, no.6, pp.815-820, 2001 (SCI-Expanded)
56. **Reversal of haemorrhagic shock in rats by tetrahydroaminoacridine**
Savci V., Cavun S., Gurun M., Ulus İ. H.
PHARMACOLOGY, vol.62, no.1, pp.36-44, 2001 (SCI-Expanded)
57. **Effect of oral CDP-choline on plasma choline and uridine levels in humans**
Wurtman R. J., Regan M., Ulus İ. H., Yu L.
Biochemical Pharmacology, vol.60, no.7, pp.989-992, 2000 (SCI-Expanded)
58. **Characterization of phentermine and related compounds as monoamine oxidase (mao) inhibitors**
Ulus İ. H., Maher T. J., Wurtman R. J.
Biochemical Pharmacology, vol.59, no.12, pp.1611-1621, 2000 (SCI-Expanded)
59. **Effects of fetal septal grafts on memory and learning performance with hippocampal acetylcholine and choline metabolism in fimbria transected rats**
Ipekoglu S., Buyukuysal L., Ulus İ. H., Korfali E.
JOURNAL OF NEURAL TRANSMISSION, vol.107, no.2, pp.191-202, 2000 (SCI-Expanded)
60. **Does phentermine inhibit monoamine oxidase? (multiple letters) [4]**
Rothman R., Maher T., Ulus İ. H., Wurtman R.
Lancet, vol.353, no.9161, pp.1362-1363, 1999 (SCI-Expanded)
61. **Phentermine and other monoamine-oxidase inhibitors may increase plasma serotonin when given with fenfluramines**
Maher T. J., Ulus İ. H., Wurtman R. J.
Lancet, vol.353, no.9146, pp.38, 1999 (SCI-Expanded)
62. **The effects of choline on body temperature in conscious rats**
Unal C., Demiral Y., Ulus İ. H.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.363, no.2-3, pp.121-126, 1998 (SCI-Expanded)
63. **Decreased serum choline concentrations in humans after surgery, childbirth, and traumatic head injury**
Ulus İ. H., Özyurt G., Korfali E.
NEUROCHEMICAL RESEARCH, vol.23, no.5, pp.727-732, 1998 (SCI-Expanded)
64. **Choline administration reverses hypotension in spinal cord transected rats: The involvement of vasopressin**
Savci V., Ulus İ. H.
Neurochemical Research, vol.23, no.5, pp.733-741, 1998 (SCI-Expanded)
65. **Age-related alterations in pre-synaptic and receptor-mediated cholinergic functions in rat brain**

- Büyükuysal R. L., Ulus İ. H., Kiran B. K.
Neurochemical Research, vol.23, no.5, pp.719-726, 1998 (SCI-Expanded)
66. **Cardiovascular effects of centrally injected tetrahydroaminoacridine in conscious normotensive rats**
Savci V., Gürün M. S., Çavun S., Ulus İ. H.
European Journal of Pharmacology, vol.346, no.1, pp.35-41, 1998 (SCI-Expanded)
 67. **Cardiovascular effects of central choline during endotoxin shock in the rat**
Savci V., Ulus İ. H.
JOURNAL OF CARDIOVASCULAR PHARMACOLOGY, vol.30, no.5, pp.667-675, 1997 (SCI-Expanded)
 68. **Centrally administered choline increases plasma prolactin levels in conscious rats**
Gurun M., Savci V., Ulus İ. H., Kiran B.
NEUROSCIENCE LETTERS, vol.232, no.2, pp.79-82, 1997 (SCI-Expanded)
 69. **Intracerebroventricular choline reverses hypotension induced by acute chemical sympathectomy**
Gurun M., Savci V., Ulus İ. H.
JOURNAL OF AUTONOMIC PHARMACOLOGY, vol.17, no.3, pp.155-163, 1997 (SCI-Expanded)
 70. **Metabotropic glutamate receptor agonists increase release of soluble amyloid precursor protein derivatives from rat brain cortical and hippocampal slices**
Ulus İ. H., Wurtman R. J.
Journal of Pharmacology and Experimental Therapeutics, vol.281, no.1, pp.149-154, 1997 (SCI-Expanded)
 71. **Central choline reverses hypotension caused by α -adrenoceptor or ganglion blockade in rats: The role of vasopressin**
Savci V., Ulus İ. H.
European Journal of Pharmacology, vol.311, pp.153-161, 1996 (SCI-Expanded)
 72. **Effect of intracerebroventricularly injected choline on plasma ACTH and β -endorphin levels in conscious rats**
Savci V., Gürün M. S., Ulus İ. H., Kiran B. K.
European Journal of Pharmacology, vol.309, no.3, pp.275-280, 1996 (SCI-Expanded)
 73. **Intracerebroventricular injection of choline increases plasma oxytocin levels in conscious rats**
Savci V., Gurun M., Ulus İ. H., Kiran B.
BRAIN RESEARCH, vol.709, no.1, pp.97-102, 1996 (SCI-Expanded)
 74. **3,4-Diaminopyridine and choline increase in vivo acetylcholine release in rat striatum**
Buyukuysal R., Ulus İ. H., Aydin S., Kiran B. K.
European Journal of Pharmacology, vol.281, no.2, pp.179-185, 1995 (SCI-Expanded)
 75. **Effect of choline on the changes related to blood pressure induced by intermittent hemorrhage in rats**
Isbil N., Ozluk K., Ulus İ. H.
Turkish Journal of Medical Sciences, vol.25, no.2, pp.89-92, 1995 (SCI-Expanded)
 76. **The effect of balneotherapy on the plasma- β -endorphine (BE) level in patients with osteoarthritis**
Yurtkuran M., Ulus İ. H., Irdesel F.
Physikalische Medizin Rehabilitationsmedizin Kurortmedizin, vol.3, no.5, pp.130-132, 1993 (SCI-Expanded)
 77. **Caffeine potentiates the enhancement by choline of striatal acetylcholine release**
Johnson D. A., Ulus İ. H., Wurtman R. J.
Life Sciences, vol.51, no.20, pp.1597-1601, 1992 (SCI-Expanded)
 78. **N-methyl-D-aspartate increases acetylcholine release from rat striatum and cortex: Its effect is augmented by choline**
Ulus İ. H., Buyukuysal R., Wurtman R.
Journal of Pharmacology and Experimental Therapeutics, vol.261, no.3, pp.1122-1128, 1992 (SCI-Expanded)
 79. **Release of vasopressin, cortisol and β -endorphin in tetraplegic subjects in response to head-up tilt**
Özcan O., Ulus İ. H., Yurtkuran M., Karakaya M.
Paraplegia, vol.29, no.2, pp.91-96, 1991 (SCI-Expanded)
 80. **Effects of intracerebroventricular injected choline on cardiovascular functions and sympathoadrenal activity**

Yener Arslan B., Ulus İ. H., Savci V., Kiran B. K.

Journal of Cardiovascular Pharmacology, vol.17, no.5, pp.814-821, 1991 (SCI-Expanded)

81. **FETAL SUBSTANTIA NIGRA GRAFTS - EFFECT ON DOPAMINE-RECEPTORS IN THE RAT CORPUS STRIATUM**

KORFALI E., KNOWLES W., UYSAL S., ULUS İ. H., OZMEN T.

CLEVELAND CLINIC JOURNAL OF MEDICINE, vol.56, no.3, pp.259-262, 1989 (SCI-Expanded)

82. **CHOLINE INCREASES ACETYLCHOLINE-RELEASE AND PROTECTS AGAINST THE STIMULATION-INDUCED DECREASE IN PHOSPHATIDE LEVELS WITHIN MEMBRANES OF RAT CORPUS STRIATUM**

ULUS İ. H., WURTMAN R., MAURON C., BLUSZTAJN J.

BRAIN RESEARCH, vol.484, no.1-2, pp.217-227, 1989 (SCI-Expanded)

83. **Choline as an agonist: Determination of its agonistic potency on cholinergic receptors**

Ulus İ. H., Millington W. R., Buyukuysal R. L., Kiran B. K.

Biochemical Pharmacology, vol.37, no.14, pp.2747-2755, 1988 (SCI-Expanded)

84. **EFFECTS OF NEURONOTROPHIC FACTORS ON ADRENAL-MEDULLA GRAFTS IMPLANTED INTO ADULT-RAT BRAINS**

KORFALI E., DOYGUN M., ULUS İ. H., RAKUNT C., AKSOY K.

NEUROSURGERY, vol.22, no.6, pp.994-998, 1988 (SCI-Expanded)

85. **Prevention by Choline of the Depletion of Membrane Phosphatidylcholine by a Cholinesterase Inhibitor**

Ulus İ. H., Wurtman R. J.

New England Journal of Medicine, vol.318, no.3, pp.191, 1988 (SCI-Expanded)

86. **Effect of choline on tyrosine hydroxylase activity in rat locus coeruleus**

Ulus İ. H., Arslan Y., Kavakli B., Kiran B.

Neuroscience Letters, vol.24, 1981 (SCI-Expanded)

87. **Effect of L-tyrosine on urinary catecholamines levels in rats**

Kiran B., Arslan Y., Kavakli B., Ulus İ. H.

Neuroscience Letters, vol.24, 1981 (SCI-Expanded)

88. **Selective response of rat peripheral sympathetic nervous system to various stimuli**

Ulus İ. H., Wurtman R.

The Journal of Physiology, vol.293, no.1, pp.513-523, 1979 (SCI-Expanded)

89. **Enhancement by choline of the induction of adrenal tyrosine hydroxylase by phenoxybenzamine, 6-hydroxydopamine, insulin or exposure to cold**

Ulus İ. H., Scally M., Wurtman R.

Journal of Pharmacology and Experimental Therapeutics, vol.204, no.3, pp.676-682, 1978 (SCI-Expanded)

90. **Choline administration to the rat increases urinary catecholamines**

Scally M., Ulus İ. H., Wurtman R.

Journal of Neural Transmission, vol.43, no.2, pp.103-112, 1978 (SCI-Expanded)

91. **Striatal nondopaminergic neurons: Possible involvement in feeding and drinking behavior**

Pettibone D. J., Kaufman N., Scally M. C., Meyer Jr. E., Ulus İ. H., Lytle L. D.

Science, vol.200, no.4346, pp.1175-1177, 1978 (SCI-Expanded)

92. **Choline potentiates the trans-synaptic induction of adrenal tyrosine hydroxylase by reserpine probably by enhancing the release of acetylcholine**

Ulus İ. H., Scally M. C., Wurtman R. J.

Life Sciences, vol.21, no.1, pp.145-148, 1977 (SCI-Expanded)

93. **Brain tyrosine level controls striatal dopamine synthesis in haloperidol-treated rats**

Scally M., Ulus İ. H., Wurtman R.

Journal of Neural Transmission, vol.41, no.1, pp.1-6, 1977 (SCI-Expanded)

94. **Trans synaptic induction of adrenomedullary tyrosine hydroxylase activity by choline: evidence that choline administration can increase cholinergic transmission**

Ulus İ. H., Hirsch M., Wurtman R.

Proceedings of the National Academy of Sciences of the United States of America, vol.74, no.2, pp.798-800, 1977

(SCI-Expanded)

95. **Trans-synaptic induction of adrenal tyrosine hydroxylase following amphetamine treatment in the rat**
Ulus İ. H., Meyer Jr. E., Wurtman R., Lytle L.
Neuropharmacology, vol.16, no.9, pp.635-637, 1977 (SCI-Expanded)
96. **Potential of reserpine effect on adrenal tyrosine hydroxylase (TOH) activity by choline**
Ulus İ. H., Scally M., Wurtman R.
Federation Proceedings, vol.36, no.3, 1977 (SCI-Expanded)
97. **Inhibition of catecholamine synthesis in cardiac sympathetic nerves by a peripheral decarboxylase inhibitor (carbidopa)**
Watkins C., Kwok M., Ulus İ. H., Wurtman R.
Federation Proceedings, vol.35, no.3, 1976 (SCI-Expanded)
98. **Choline administration: Activation of tyrosine hydroxylase in dopaminergic neurons of rat brain**
Ulus İ. H., Wurtman R. J.
Science, vol.194, no.4269, pp.1060-1061, 1976 (SCI-Expanded)
99. **The effect of 6-hydroxydopamine on the tolerance development to the hyperthermic effect of (+)-amphetamine in the rat**
Ulus İ. H., Kiran B.
Journal of Pharmacy and Pharmacology, vol.27, no.3, pp.205-206, 1975 (SCI-Expanded)
100. **Involvement of central dopamine in the hyperthermia in rats produced by d amphetamine**
Ulus İ. H., Kiran B., Ozkurt S.
Pharmacology, vol.13, no.4, pp.309-316, 1975 (SCI-Expanded)

Articles Published in Other Journals

1. **Administration of docosahexaenoic acid, uridine and choline increases levels of synaptic membranes and dendritic spines in rodent brain**
Wurtman R. J., CANSEV M., Sakamoto T., Ulus İ. H.
World Review of Nutrition and Dietetics, vol.99, pp.71-96, 2009 (Scopus)
2. **Peripheral administration of CDP-choline, phosphocholine or choline increases plasma adrenaline and noradrenaline concentrations**
CANSEV M., Ilcol Y., YILMAZ M., Hamurtekin E., Ulus İ. H.
Autonomic and Autacoid Pharmacology, vol.28, no.1, pp.41-58, 2008 (Scopus)
3. **Intraperitoneal administration of CDP-choline and its cholinergic and pyrimidinergic metabolites induce hyperglycemia in rats: Involvement of the sympathoadrenal system**
Ilcol Y., CANSEV M., YILMAZ M., Hamurtekin E., Ulus İ. H.
Archives of Physiology and Biochemistry, vol.113, no.4-5, pp.186-201, 2007 (Scopus)
4. **Maternal plasma β -endorphin levels in spontaneous and oxytocin-induced labor**
Erdogan E., Cengiz C., Kucukkomurcu S., Ulus İ. H., Uncu G.
International Journal of Feto-Maternal Medicine, vol.5, no.3, pp.179-182, 1992 (Scopus)
5. **Choline metabolism in cholinergic neurons: implications for the pathogenesis of neurodegenerative diseases.**
Wurtman R., Blusztajn J., Ulus İ. H., Coviella I., Buyukuysal R., Growdon J., Slack B.
Advances in neurology, vol.51, pp.117-125, 1990 (Scopus)
6. **Choline levels, the regulation of acetylcholine and phosphatidylcholine synthesis, and Alzheimer's disease**
Wurtman R., Ulus İ. H., Blusztajn J., Lopez-Coviella I., Agut J., Ortiz J., Logue M., Mauron C., Growdon J.
Journal of Neural Transmission - Parkinson's Disease and Dementia Section, vol.1, pp.15, 1989 (Scopus)
7. **CHOLINE INCREASES ACETYLCHOLINE RELEASE**
ULUS İ. H., Wurtman R.

- The Lancet, vol.329, no.8533, pp.624, 1987 (Scopus)
8. **Effect on choline on clonidine withdrawal**
Arslan Y., Kavakli B., Ulus İ. H., Kiran B.
Journal de Pharmacologie, vol.13, no.1, pp.84, 1982 (Scopus)
 9. **Pharmacological distinction of the muscarinic type cholinergic receptors in tissues of the rat**
Ulus İ. H., Tanrisever R., Kiran B.
Pharmacologist, vol.22, no.3, 1980 (Scopus)
 10. **Clonidine withdrawal: The role of sympathetic nervous system**
Ulus İ. H., Kavakli B., Arslan Y., Kiran B.
Pharmacologist, vol.22, no.3, 1980 (Scopus)
 11. **Effects of choline on the cholinergic activity**
Ulus İ. H., Tanrisever R., Kiran B.
Progress in Clinical and Biological Research, pp.489, 1980 (Scopus)
 12. **Regional distribution of neurotransmitter-synthesizing enzymes and substance P within the rat corpus striatum**
Scully M. C., Ulus İ. H., Wurtman R. J., Pettibone D. J.
Brain Research, vol.143, no.3, pp.556-560, 1978 (Scopus)
 13. **Choline administration increases urinary catecholamine excretion in the rat**
Scully M., Ulus İ. H., Wurtman R.
Pharmacologist, vol.19, no.2, 1977 (Scopus)
 14. **Effect of choline on adrenal tyrosine hydroxylase (TOH) activity in rats**
Ulus İ. H., Scully M., Wurtman R.
Pharmacologist, vol.18, no.2, 1976 (Scopus)

Books & Book Chapters

1. **Sinir Bilimleri Araştırmalarında Etik İlkeler**
Ulus İ. H.
SAGE Yayıncılık, İstanbul, 2018
2. **Oral administration of phosphatide precursors enhances learning and memory by promoting synaptogenesis**
Cansev M., Ulus İ. H.
in: Handbook of Behavior, Food and Nutrition, Preedy V.R., Watson R.R., Martin C.R., Editor, Springer-Verlag, New York, pp.489-504, 2011
3. **Choline and its products acetylcholine and phosphatidylcholine**
Ulus İ. H.
in: Handbook of Neurochemistry, G. Tettamanti G. Goracci, Editor, Springer-Verlag, New-York, pp.445-501, 2009
4. **Choline and its products acetylcholine and phosphatidylcholine**
Wurtman R. J., Cansev M., Ulus İ. H.
in: Handbook of Neurochemistry and Molecular Neurobiology, Lajtha A., Editor, Springer-Verlag, Berlin, pp.443-501, 2009
5. **Tıbbi Araştırmalarda İnsan Katılımcıların Korunması ve Etik İlkeler**
Ulus İ. H.
Graphis Matbaa, Ankara, 2007
6. **Abnormal phospholipid metabolism and the pathophysiology of Alzheimer's Disease**
Ulus İ. H.
in: Alzheimer's Disease New Treatment Strategies, Z.S. Khachaturian, J. P. Blass, Editor, Marcel Dekker, Inc., New-York, pp.213-222, 1992
7. **Choline levels, the regulation of acetylcholine and phosphatidylcholine synthesis, and Alzheimer's disease.**

- Ulus İ. H.
in: Alzheimer's Disease: Epidemiology, Neuropathology, Neurochemistry and Clinics, K. Maurer, P. Riederer, H. Beckmann, Editor, Springer-Verlag, Vienna, pp.211-224, 1990
8. **Experimental manipulation of phospholipid content in neuronal cell membrane.**
Ulus İ. H.
in: Neurochemical Aspects of Phospholipid Metabolism, Fidia Research Series, Vol 20, , L. Freysz, J. N. Hawthorne, G. Toffano, Editor, Springer, London/Berlin, New-York, pp.233-239, 1989
 9. **Phosphatidylcholine as a necessary component of biological membranes and as store of choline for acetylcholine synthesis**
Ulus İ. H.
in: Phospholipid in the Nervous System: Biochemical and Molecular Pathology, Fidia Research Series, Vol 17, N.G. Bazan, L.A. Horrocks, G. Toffano, Editor, Springer, London/Berlin, Padua, pp.205-215, 1989
 10. **Cholinesterase inhibitors increase the brain's need for free choline.**
Ulus İ. H.
in: Current Research in Alzheimer Therapy, E. Giacobini, R. Becker, Editor, Taylor, New-York, pp.95-100, 1988
 11. **Postsynaptic effects of choline administration**
Ulus İ. H.
in: Nutrition and the brain Volume 5, Choline and lecithin in brain disorders, Andre Barbeau, John H. Growdon, Richard J. Wurtman, Editor, Raven Press see Lippincott Williams, New-York, pp.219-226, 1979
 12. **Effect of choline on cholinergic function**
Ulus İ. H.
in: Advances in Behavioral Biology, Volume 24, Cholinergic Mechanisms and Psychopharmacology, Donald J. Jenden, Editor, Pergamon Press, Oxford/Amsterdam, New-York, pp.525-538, 1978

Refereed Congress / Symposium Publications in Proceedings

1. **The Role of Autophagy and Mitochondrial Dynamics in Neurodegenerative Diseases: A Study in an Alzheimer Disease Model**
Kan B., Bilge B., Bozkurt S., Ulus İ. H., Öz Arslan D.
Jubilee Scientific Conference "Medicine of the Future", Plovdiv, Bulgaria, 29 - 31 October 2020, vol.62, pp.19-20
2. **The Role of Autophagy and Mitochondrial Dynamics in Neurodegenerative Diseases: A Study in an Alzheimer Disease Model**
Kan B., Ulus İ. H., Öz Arslan D.
Jubilee Scientific Conference "Medicine of the Future" - 29-31 October 2020 on the occasion of the 75th Anniversary of Medical University of Plovdiv, 29 - 31 October 2020, vol.62, pp.19-20
3. **The Effects of CDP-Choline on Autophagy and Mitochondrial Dynamics**
Kan B., Bilge B., Bozkurt S., Ulus İ. H., Öz Arslan D.
Second ERNEST Meeting on New Perspectives in Signal Transduction: GPCRs and Beyond, İstanbul, Turkey, 28 - 30 March 2020, pp.14
4. **The effect of CDP-choline on autophagy and mitochondrial dynamics in beta-amyloid treated PC12 cells**
Bilge B., Gezmis H., Bozkurt S., Yucel D., Kan B., Ulus İ. H., Oz-Arslan D.
19th IUPAB Congress / 11th EBSA Congress, Edinburgh, Saint Helena, 16 - 20 July 2017, vol.46
5. **Synaptic phospholipids and proteins are increased in gerbil brain by administering uridine plus docosahexaenoic acid orally**
Wurtman R., Ulus İ. H., Cansev M., Watkins C., Wang L., Marzloff G.
Experimental Biology 2006 Meeting, San-Francisco, Costa Rica, 1 - 05 April 2006, vol.20
6. **The effect of glycyl glutamine and choline combination on cardiovascular system in hemorrhaged rats**
GÜRÜN M. S., ULUS İ. H., Millington W.

Society for Neuroscience, Miami, United States Of America, 19 - 23 October 1999

7. **SELECTIVE RESPONSE OF RAT PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM TO VARIOUS STRESS SITUATIONS**
KIRAN B., ULUS İ. H.
5TH INTERNATIONAL SYMP ON CATECHOLAMINES AND OTHER NEUROTRANSMITTERS IN STRESS, SMOLENICE, CZECHOSLOVAKIA, 24 - 29 June 1991, pp.561-568
8. **USE OF CHOLINE IN CHOLINERGIC NEURONS TO FORM ACETYLCHOLINE OR PHOSPHATIDYLCHOLINE - IMPLICATIONS FOR THE PATHOGENESIS OF AGE-RELATED MEMORY DISORDERS**
WURTMAN R., ULUS İ. H., MAURON C., BLUSZTAJN J.
SYMP ON AGING BRAIN AND DEMENTIA : NEW TRENDS IN DIAGNOSIS AND THERAPY, Padua, Italy, 22 - 24 September 1988, vol.54, pp.215-238
9. **CHOLINE LEVELS, THE REGULATION OF ACETYLCHOLINE AND PHOSPHATIDYLCHOLINE SYNTHESIS, AND ALZHEIMERS-DISEASE**
WURTMAN R., ULUS İ. H., BLUSZTAJN J., COVIELLA I., LOGUE M., MAURON C., GROWDON J.
INTERNATIONAL SYMP ON BEHALF OF THE 125TH ANNIVERSARY OF BIRTH OF ALOYS ALZHEIMER - ALZHEIMERS DISEASE : EPIDEMIOLOGY, NEUROPATHOLOGY, NEUROCHEMISTRY, AND CLINICS, Würzburg, Germany, 01 June 1989, pp.211-224
10. **EXPERIMENTAL MANIPULATION OF PHOSPHOLIPID CONTENT IN NEURONAL CELL-MEMBRANES**
SLACK B., ULUS İ. H., WURTMAN R.
INTERNATIONAL MEETING ON NEUROCHEMICAL ASPECTS OF PHOSPHOLIPID METABOLISM, Perugia, Italy, 26 - 28 May 1988, vol.20, pp.233-239

Academic and Administrative Experience

2010 - 2014	Vice Dean	Acibadem Mehmet Ali Aydinlar University
2009 - 2011	Head of Department	Acibadem Mehmet Ali Aydinlar University
1993 - 2000	Director of The Institution	Bursa Uludağ University
1988 - 1992	Vice Dean	Bursa Uludağ University

Courses

Sindirim Sistemi ve Hastalıkları, Undergraduate, 2021 - 2022

Farmakoloji, Associate Degree, 2021 - 2022

Ürogenital Sistem ve Hastalıkları, Undergraduate, 2021 - 2022

Kan, Bağışıklık ve Kanser, Undergraduate, 2021 - 2022

Tez Çalışması, Doctorate, 2021 - 2022

Sinir Biliminde Temel ve Güncel Yöntemler, Doctorate, 2021 - 2022

Kardiyovasküler Sistem ve Hastalıkları, Undergraduate, 2021 - 2022

Sinir sistemi ve hastalıkları, Undergraduate, 2021 - 2022

Nörotransmitter sistemleri, Doctorate, 2021 - 2022

Farmakoloji, Associate Degree, 2021 - 2022

Büyüme, Gelişme ve Endokrin Sistem Hastalıkları, Undergraduate, 2021 - 2022

Nörodejeneratif ve Nadir Hastalıklar, Doctorate, 2021 - 2022

Vucut Sistemlerinin Sinirsel Düzenlenmesi, Doctorate, 2021 - 2022

Cerrahi Farmakoloji, Associate Degree, 2021 - 2022

Sinir Bilim Temel İletişim Mekanizmaları, Doctorate, 2021 - 2022

Memberships / Tasks in Scientific Organizations

Bilim Akademisi Derneği, Member, 2013 - Continues, Turkey

Türkiye Bilimler Akademisi, Honorary Member, 2001 - Continues, Turkey

Scientific Consultations

Türkiye Bilimler Akademisi, Other, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, Turkey, 2020 - Continues

Metrics

Publication: 136

Citation (WoS): 2177

Citation (Scopus): 2816

H-Index (WoS): 26

H-Index (Scopus): 29

Congress and Symposium Activities

19.Ulusal Sinirbilim Kongresi, Invited Speaker, İstanbul, Turkey, 2021

26. Ulusal ve 1.Uluslararası Farmakoloji Kongresi, Attendee, İstanbul, Turkey, 2021

Research Areas

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