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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-1067-2018

Yoksis Researcher ID: 7590

Education Information

Expertise In Medicine, Cukurova University, Tıp Fakültesi, Fizyoloji Anabilim Dalı, Turkey 1991 - 1995

Undergraduate, Istanbul University, Cerrahpaşa Tıp Fakültesi, Turkey 1982 - 1988

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Health&Medicine, HÜCREİÇİ İYON ÖLÇÜMÜ ve OOGENEZ, OTTAWA HEALTH RESEARCH INSTITUTE, 2004

Dissertations

Expertise In Medicine, Kurbağa yumurta modelinde fertilizasyon ve yarıklanma sırasındaki elektrofizyolojik değişiklikler ve bu parametreleri etkileyen elektrolitler, Cukurova University, Tıp Fakültesi, Fizyoloji Anabilim Dalı, 1995

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology

Academic Titles / Tasks

Professor, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 2010 - Continues

Associate Professor, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 2004 - 2010

Assistant Professor, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 1995 - 2004

Academic and Administrative Experience

Vice Rector, Cukurova University, 2015 - 2020

Member of the Senate, Cukurova University, 2012 - 2020

Cukurova University, Rektörlük, Sağlık Bilimleri Enstitüsü, 2012 - 2015

Cukurova University, Rektörlük, Sağlık Bilimleri Enstitüsü, 2012 - 2015

Courses

İNSAN VÜCUDUNU YAPI ve FONKSİYONU, Postgraduate, 2016 - 2017

Advising Theses

ERDOĞAN Ş., İN VİVO ve İN VİTRO ORTAMLARDA GELİŞEN PREİMLANTASYON AŞAMASINDAKİ EMBRİYOLARDA ALKALOZA KARŞI SAVUNMA MEKANİZMASININ KARŞILAŞTIRILMASI, Postgraduate, H.ŞENER(Student), 2016

ERDOĞAN Ş., ERKEN EMBRİYONİK DÖNEMDE ALKALOZDAN SAVUNMA MEKANİZMASININ İNCELENMESİ, Postgraduate, Ş.DAĞILGAN(Student), 2013

ERDOĞAN Ş., FARE OOSİT ve ZİGOTUNDA HCO₃⁻ / Cl⁻ DEĞİŞTİRİCİ AKTİVİTESİNİN MAYOTİK MATÜRASYON SÜRECİNDEKİ DEĞİŞİMLERİ, Postgraduate, A.ÇETİNKAYA(Student), 2006

Jury Memberships

Associate Professor Exam, DOÇENTLİK SINAV JÜRİSİ, İSTANBUL MEDİPOL ÜNİVERSİTESİ TIP FAKÜLTESİ, October, 2014

Associate Professor Exam, DOÇENTLİK SINAVI, ÇUKUROVA ÜNİVERSİTESİ, January, 2014

Associate Professor Exam, DOÇENTLİK SINAV JÜRİSİ, MARMARA ÜNİVERSİTESİ, October, 2012

Associate Professor Exam, DOÇENTLİK SINAVI, KOÇ ÜNİVERSİTESİ, May, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparison of Alkalosis Defence Mechanism Developing in In Vivo and In Vitro Embryos during Preimplantation Stages**
Sener H., ERDOĞAN Ş.
ACTA PHYSIOLOGICA, vol.215, pp.106, 2015 (SCI-Expanded)
- II. **Evaluation of intracellular pH regulation and alkalosis defense mechanisms in preimplantation embryos**
Dağilgan S., Dundar-Yenilmez E., TULİ A., ÜRÜNSAK İ. F., ERDOĞAN Ş.
THERIOGENOLOGY, vol.83, no.6, pp.1075-1084, 2015 (SCI-Expanded)
- III. **Inactivating KISS1 mutation and hypogonadotropic hypogonadism.**
TOPALOĞLU A. K., Tello J. A., KOTAN L. D., OZBEK M. B., YILMAZ M., ERDOĞAN Ş., GÜRBÜZ F., TEMİZ F., Millar R. P., YÜKSEL B.
The New England journal of medicine, vol.366, no.7, pp.629-35, 2012 (SCI-Expanded)
- IV. **Changes in the activity of defense mechanisms against induced acidosis during meiotic maturation in mouse oocytes**
ERDOĞAN Ş., Çetinkaya A., TULİ A., Yilmaz E. D., DOĞAN A.
THERIOGENOLOGY, vol.75, no.6, pp.1057-1066, 2011 (SCI-Expanded)
- V. **Changes of HCO₃⁻/Cl⁻ Exchanger Activity During Meiotic Maturation in Balb/c Strain Mouse Oocytes and Zygotes**
ÇETİNKAYA A., ERDOĞAN Ş.
JOURNAL OF REPRODUCTION AND DEVELOPMENT, vol.54, no.6, pp.492-495, 2008 (SCI-Expanded)

- VI. **Effects of specific dosages of magnesium and zinc on the teratogenicity of cadmium, nickel, and cobalt in *Xenopus* embryos, as assessed by the FETAX test**
Boga A., Erdogan S., Sertdemir Y.
DOSE-RESPONSE, vol.6, no.1, pp.16-29, 2008 (SCI-Expanded)
- VII. **The Effects of Multimodal Exercise Program for People with Ankylosing Spondylitis**
İNCE G., SARPEL T., DURGUN B., ERDOĞAN Ş.
PHYSICAL THERAPY, vol.86, pp.925-935, 2006 (SCI-Expanded)
- VIII. **The effects of aerobic exercise on skeletal muscle metabolism, morphology and in situ endurance in diabetic rats**
ERGEN N., Kurdak H., Erdogan S., Mete U. Ö., KAYA M., Dikmen N., Dogan A., Kurdak S. S.
JOURNAL OF SPORTS SCIENCE AND MEDICINE, vol.4, no.4, pp.472-481, 2005 (SCI-Expanded)
- IX. **Mechanisms regulating intracellular pH are activated during growth of the mouse oocyte coincident with acquisition of meiotic competence**
Erdogan S., Fitzharris G., TARTIA A., BALTZ J.
DEVELOPMENTAL BIOLOGY, vol.286, no.1, pp.352-360, 2005 (SCI-Expanded)
- X. **Effects of H⁺-K⁺ ATPase inhibitors (omeprazole and lansoprazole) on fertilization-induced bioelectrical potential changes in the egg of the frog, *Rana cameranoi***
ERDOĞAN Ş., ÖZGÜNEN K. T., ÖZGÜNEN T.
Turkish Journal of Veterinary and Animal Sciences, vol.28, no.2, pp.329-336, 2004 (SCI-Expanded)
- XI. **The effect of L-(+)-lactate on tension development and excitability in in vitro rat diaphragm muscle**
Erdogan S., Kurdak S. S., ERGEN N., Dogan A.
JOURNAL OF SPORTS MEDICINE AND PHYSICAL FITNESS, vol.42, no.4, pp.418-424, 2002 (SCI-Expanded)
- XII. **Effect of gonadotrophin dose on oocyte retrieval in superovulated BALB/c mice**
Ozgunen K., Erdogan S., Mazmanoglu N., Pamuk I., Logoglu G., Ozgunen T.
THERIOGENOLOGY, vol.56, no.3, pp.435-445, 2001 (SCI-Expanded)
- XIII. **The ionic basis of membrane potential changes from before fertilization through the first cleavage in the egg of the frog *Rana cameranoi***
Erdogan S., LOGOGLU G., OZGUNEN T.
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.15, no.5, pp.371-387, 1996 (SCI-Expanded)
- XIV. **ENDOGENOUS DIGOXIN-IMMUNOREACTIVE SUBSTANCE IN NORMAL AND PREECLAMPTIC PREGNANCIES**
LOGOGLU G., ERDOGAN S., OZGUNEN F. T., DOGAN A., OZGUNEN T., KADAYIFCI O.
INTERNATIONAL JOURNAL OF GYNECOLOGY & OBSTETRICS, vol.43, no.2, pp.137-143, 1993 (SCI-Expanded)

Articles Published in Other Journals

- I. **Tramadol Reverses the Effects of Neuropathic Pain on Oocyte Maturation and Copulation Ratio in Mice**
DAĞILGAN S., ERDOĞAN Ş., AKSU F.
EURASIAN JOURNAL OF MEDICINE, vol.50, no.3, pp.182-186, 2018 (ESCI)
- II. **Discrimination between acidic and molecular effects of lactate on the muscle tension development**
Erdoğan Ş., Kurdak S. S., Doğan A.
TURKISH JOURNAL OF MEDICAL SCIENCES, no.32, pp.121-126, 2002 (Scopus)
- III. **Effects of Cd²⁺, Zn²⁺, Li⁺ and Al³⁺ on the fertilization-induced membrane potential changes in the egg of the frog, *Rana cameranoi***
Erdoğan Ş., Özgünen K. T.
TURKISH JOURNAL OF BIOLOGY, vol.25, pp.277-289, 2001 (Peer-Reviewed Journal)
- IV. **Effects of pH on the genesis of membrane potential changes at fertilization, in the egg of the frog *Rana cameranoi***
Erdoğan Ş., Loğoğlu G., Özgünen K. T., Özgünen T.

TURKISH JOURNAL OF BIOLOGY, vol.24, pp.725-736, 2000 (Peer-Reviewed Journal)

V. Lactate and fatigue

Erdoğan Ş., Kurdak S. S.

Türkiye Klinikleri Journal of Medical Sciences, vol.17, pp.366-369, 1999 (Peer-Reviewed Journal)

VI. The importance of bioelectrical potentials at fertilization

ERDOĞAN Ş.

Annual Medical Sciences, vol.8, pp.58-62, 1999 (Peer-Reviewed Journal)

VII. Kurbağa yumurtasında fertilizasyon ve aktivasyon ile indüklenmiş membran potansiyellerinin karşılaştırılması

ERDOĞAN Ş.

Ç.Ü.Tıp Fakültesi Dergisi, vol.21, no.2, pp.68-73, 1996 (Peer-Reviewed Journal)

VIII. Effects of hyaluronate and immediate motile sperm isolation on the seminal fertility parameters.

Erdoğan Ş., Loğoğlu G., Kendirci A.

Turkish Journal of Medical Research, vol.12, no.5, pp.200-205, 1994 (Peer-Reviewed Journal)

IX. Plasma renin activity levels in normal and preeclamptic pregnancies.

Erdoğan Ş., Loğoğlu G.

Journal of Islamic Academy of Sciences, vol.5, pp.56-60, 1992 (Peer-Reviewed Journal)

Books & Book Chapters

I. İşitme Duyusu (Bölüm 52)

ERDOĞAN Ş.

in: Guyton ve Hall Tıbbi Fizyoloji, Berrak Ç. Yeğen, Editor, Nobel Tıp Kitabevi, İstanbul, pp.120-131, 2013

II. SİNİR SİSTEMİ

ERDOĞAN Ş.

in: TIBBİ FİZYOLOJİ, Türk Fizyolojik Bilimler Derneği, Editor, Güneş Tıp Kitabevi, İstanbul, pp.85-105, 2007

III. BÖBREK FİZYOLOJİSİ

ERDOĞAN Ş.

in: Fizyoloji Ders Notları, TIP FAKÜLTESİ YAYIN DÖKÜMENTASYON KURULU, Editor, Tıp Fakültesi Yayınları, Adana, pp.1-79, 2002

IV. Kan Dinamiği ve Lenf Akımı

ERDOĞAN Ş.

in: Ganong Tıbbi Fizyoloji (17.-19. BASKILAR), Türk Fizyolojik Bilimler Derneği, Editor, Barış Kitebevi, Ankara, pp.701-721, 2000

V. Kendi kendine Çalışma: Amaçlar, Klasik Sorular ve Çoktan Seçmeli Test Soruları

ERDOĞAN Ş.

in: Ganong Tıbbi Fizyoloji (16. Baskı), AYŞE DOĞAN, Editor, Barış Kitabevi, Ankara, pp.809-859, 1995

Refereed Congress / Symposium Publications in Proceedings

I. Effect of Regular Aerobic Exercise on Diabetic Nephropathy in The Diabetic Rats

KURDAK H., ERGEN N., ERDOĞAN Ş., KURDAK S. S., DOĞAN A.

47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5

II. Effect of Aerobic Exercise on The Skeletal Muscle Contractility in The Diabetic Rats

KURDAK S. S., ERGEN N., ERDOĞAN Ş., KURDAK H., DOĞAN A.

47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5

III. Effect of Aerobic Exercise on The Skeletal Muscle Contractility in The Diabetic Rats

KURDAK S. S., ERGEN N., ERDOĞAN Ş., KURDAK H., DOĞAN A.

47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5

- IV. **Effect of Regular Aerobic Exercise on Diabetic Nephropathy in The Diabetic Rats**
KURDAK H., ERGEN N., ERDOĞAN Ş., KURDAK S. S., DOĞAN A.
47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5
- V. **Effect of Lactate Anion Molecule And Lactic Acidosis on Tension Development May Be Additive**
ERDOĞAN Ş., KURDAK S. S., ERGEN N., DOĞAN A.
47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5
- VI. **Effect of Regular Aerobic Exercise on Diabetic Nephropathy in The Diabetic Rats**
KURDAK H., ERGEN N., ERDOĞAN Ş., KURDAK S. S., DOĞAN A.
47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5
- VII. **Effect of Lactate Anion Molecule And Lactic Acidosis on Tension Development May Be Additive**
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47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5
- VIII. **Effect of Aerobic Exercise on The Skeletal Muscle Contractility in The Diabetic Rats**
KURDAK S. S., ERGEN N., ERDOĞAN Ş., KURDAK H., DOĞAN A.
47th American College Sports Medicine Annual Meeting, United States Of America, vol.32, no.5
- IX. **Investigation of Acidosis Defense Mechanisms in Preimplantation Stages Embryos in Mouse**
ERDOĞAN Ş., DAĞILGAN Ş., DÜNDAR YENİLMEZ E., TULİ A., ÜRÜNSAK İ. F.
Joint FEPS&Spanish Physiological Society Scientific Congress 2012, Santiago De Compostela, Spain, 8 - 11 September 2012, pp.55
- X. **Investigation of Acidosis Defense Mechanisms in Preimplantation Stages Embryos in Mouse**
ERDOĞAN Ş., DAĞILGAN Ş., DÜNDAR YENİLMEZ E., TULİ A., ÜRÜNSAK İ. F.
Joint FEPS&Spanish Physiological Society Scientific Congress 2012, Santiago De Compostela, Spain, 8 - 11 September 2012, pp.55
- XI. **Changes of Activity of Anion Exchanger Against to Intracellular Alkalosis During Preimplantation Embryonic Stages in Mouse**
DAĞILGAN Ş., DÜNDAR YENİLMEZ E., TULİ A., ÜRÜNSAK İ. F., ERDOĞAN Ş.
Joint FEPS&Spanish Physiological Society Scientific Congress 2012, Santiago De Compostela, Spain, 8 - 11 September 2012, pp.58
- XII. **The effect of relaxing music on reproductive performance in mouse**
ERŞİK E., CERİT B., DAĞILGAN Ş., ALAN S., ERDOĞAN Ş.
British Society for Neuroendocrinology Annual Meeting, Cambridge, United Kingdom, 3 - 05 July 2011, pp.49
- XIII. **Intracellular levels of reactive oxygen species in developing mouse embryos**
ERDOĞAN Ş., LEVENTERLER H., DİKMEN N.
42nd SSR Meeting, Pittsburg, United States Of America, 18 - 23 July 2009, vol.81, pp.237
- XIV. **Intracellular Levels of Reactive Oxygen Species In Developing Mouse Embryos.**
ERDOĞAN Ş., LEVENTERLER H., DİKMEN N.
42nd Annual Meeting of the Society-for-the-Study-of-Reproduction, Pennsylvania, United States Of America, 18 - 22 July 2009, pp.101
- XV. **The contribution of Na⁺, HCO₃⁻ / Cl⁻ exchanger activity on recovery from induced-acidosis in oocyte, zygote and embryo of balb/c strain mouse**
ERDOĞAN Ş., ÇETİNKAYA A.
40th Annual Meeting of the Society for the Study of Reproduction, San Antonio, United States Of America, 21 - 25 July 2007, pp.92
- XVI. **Contribution of Na⁺, HCO₃⁻/Cl⁻ exchanger activity on recovery from induced-acidosis in oocyte, zygote and embryo of Balb/c strain mouse.**
Erdogan S., Cetinkaya A., Dogan A.
40th Annual Meeting of the Society-for-the-Study-of-Reproduction, San-Antonio, Northern Mariana Islands, 21 - 25 July 2007, pp.92
- XVII. **Changes of Na⁺/H⁺ Exchanger Activity from Germinal Vesicle Stage Oocyte to Pronuclear Stage Zygote on Mouse**
ERDOĞAN Ş., ÇETİNKAYA A., DOĞAN A.

- 5th International Congress of Pathophysiology, Beijing, China, 28 June - 01 July 2006, pp.100
- XVIII. **Effect of Aerobic Exercise on Renal Function and Blood Pressure at Hypertensive Rats due to Reduced Renal Mass**
DERİN O., ERGEN N., KURDAK S. S., ERDOĞAN Ş., DİKMEN N., DOĞAN A.
5th International Congress of Pathophysiology, Beijing, China, 28 June - 01 July 2006, pp.122
- XIX. **Developmental Changes in the Mechanism Regulating Intracellular pH During Growth of the Mouse Oocyte Prior to Ovulation**
ERDOĞAN Ş., FITZHARRIS G., TARTIA A., BALTZ J.
38th Annual Meeting of the Society for the Study of Reproduction, Quebec City, Canada, 24 - 27 July 2005, pp.111
- XX. **Comparison of the Membrane Potential Changes Triggered by Fertilization in the Internally Fertilizing Mouse and Externally Fertilizing Frog Eggs**
ERDOĞAN Ş., ÖZGÜNEN K. T., ÖZGÜNEN T.
Experimental Biology 2005 Annual Meeting and the XXXV International Congress of Physiological Sciences, San Diego, United States Of America, 31 March - 05 April 2005, vol.19, no.4
- XXI. **Disparity at the molecular and acidic effects of lactate ion on the tension development at invitro rat diaphragm muscle**
ERDOĞAN Ş.
XXXIII. International Congress of Physiological Sciences, St.Petersburg, Russia, 30 June - 05 July 1997, pp.150
- XXII. **High doses of caffeine recovers the lactate-induced fatigue at in vitro rat diaphragm muscle at iso pH**
KURDAK S. S., ERDOĞAN Ş., DOĞAN A.
XXXIII. International Congress of Physiological Sciences, St.Petersburg, Russia, 30 June - 05 July 1997, pp.151
- XXIII. **Kurbağa yumurtasında fertilizasyon ve aktivasyonla indüklenen membran potansiyel değişimlerinin karşılaştırılması**
ERDOĞAN Ş., KURDAK S. S., ÖZAYKAN B., DOĞAN A., LOĞOĞLU G.
Türk Fizyolojik Bilimler Derneği 21. Ulusal Kongresi, Ankara, Turkey, 24 - 28 September 1995
- XXIV. **L-(+)-Lactate reduced tension development in invitro rat diaphragm muscle at iso pH**
ERDOĞAN Ş.
Biology'95 (FASEB), Atlanta, United States Of America, 9 - 13 April 1995, vol.9, no.3
- XXV. **Diyabetik sıçanlarda 1 oranında NaCl içeren içme suyunun ekstrasellüler sıvı volümü ESSV ve arteryel kan basıncına etkisi**
ÖZAYKAN B., KURDAK S. S., ERDOĞAN Ş., İLBAY G., BABAR E., DOĞAN A.
Türk Fizyolojik Bilimler Derneği 20. Kongresi, İzmir, Turkey, 25 - 29 October 1994
- XXVI. **İzole sıçan gastroknemius kasında yorgunluk oluşum paterninin gösterilmesi**
KURDAK S. S., ÖZAYKAN B., ERDOĞAN Ş., İLBAY G., BABAR E., DOĞAN A.
Türk Fizyolojik Bilimler Derneği 20. Kongresi, İzmir, Turkey, 25 - 29 October 1994

Supported Projects

- ERDOĞAN Ş., DÜNDAR YENİLMEZ E., TULİ A., Project Supported by Higher Education Institutions, Evaluation of pH Regulation and Alkalosis Defense Mechanisms in Preimplantation Embryos, 2015 - 2021
- ERDOĞAN Ş., SAĞLAM O., Project Supported by Higher Education Institutions, In Vivo ve In Vitro Koşullarda Embriyonik Alkaloz Defans Mekanizmasının Karşılaştırılması, 2015 - 2021
- DOĞAN A., AKILLIOĞLU K., KOÇAKLI Z. G., ERDOĞAN Ş., YILMAZ M. B., SAĞLAM O., Project Supported by Higher Education Institutions, HOMOSİSTEİN UYGULANAN SIÇAN VASKÜLER DÜZ KAS HÜCRELERİNDE ANJİYOTENSİN RESEPTÖRLERİNİN HÜCRE PROLİFERASYONU ÜZERİNE ETKİSİ, 2015 - 2018
- DOĞAN A., KOÇAKLI Z. G., AKILLIOĞLU K., ERDOĞAN Ş., SAĞLAM O., Project Supported by Higher Education Institutions, Vasküler düz kas hücresinde homosistein ve anjiotensin reseptörlerinin hücre proliferasyonuna etkisi, 2015 - 2017
- ERDOĞAN Ş., Project Supported by Higher Education Institutions, ANKOS IV. Ulusal Akademik Kaynak Paylaşım Çalıştayı, 2016 - 2016

ERDOĞAN Ş., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (1 Adet), 2013 - 2015

ERDOĞAN Ş., TUBITAK Project, 23. Preimplantasyon aşamasındaki embriyoların hücreiçi pH düzenleyici mekanizmalarının fonksiyonel ve moleküler incelenmesi, 2011 - 2013

ERDOĞAN Ş., TUBITAK Project, GV Aşamadaki oositin pronükleer aşamadaki zigota kadar olan oosit/zigotlarda Na⁺/H⁺ deęiřtirici aktivitesinin incelenmesi, 2005 - 2007

ERDOĞAN Ş., Project Supported by Other Official Institutions, Transport-mediated processes in oocyte growth, maturation, and preimplantation embryo development, 2003 - 2006

ERDOĞAN Ş., TUBITAK Project, Kurbaęa ve farede fertilizasyon esnasında meydana gelen elektrofizyolojik deęiřimler ve bu deęiřimlere H⁺-K⁺ ATPaz inhibitör etkilerinin karřılařtırılması, 1999 - 2000

ERDOĞAN Ş., TUBITAK Project, Aerobik dayanıklılık antrenmanının diyabetik sıçan kas karbonhidrat metabolizmasına etkisi ve ultrastrüktürel deęerlendirilmesi, 1998 - 1999

Metrics

Publication: 55

Citation (WoS): 496

Citation (Scopus): 511

H-Index (WoS): 7

H-Index (Scopus): 7

Non Academic Experience

Çukurova Üniversitesi Tıp Fakültesi

Other, Türk Fizyolojik Bilimleri Derneęi

Other, Ottawa Health Research Institute, Reproductive Physiology

Ottawa Health Research Institute

SSK Diyarbakır ve İzmit Hastaneleri