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Education Information

Doctorate, Universiteit van Amsterdam, Academic Medical Centre, Clinical Physiology, Netherlands 2010 - 2015

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Biyoloji Anabilim Dalı, Turkey 2003 - 2009

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Biyoloji Anabilim Dalı, Turkey 2000 - 2003

Undergraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Biotek Synergy H1-M, Pera Medikal Ltd, 2012

Health&Medicine, Course on Laboratory Animal Science, Faculty of Veterinary Medicine, Utrecht University, 2009

Health&Medicine, Course on Neurobiology, Ege University, 2007

Health&Medicine, Course on Biostatistics, İzmir, 2005

Health&Medicine, PowerLab Training Course, Istanbul, 2004

Health&Medicine, III. Ege Biennial Int. Neuroscience Grd. Summer School, İzmir, 2004

Health&Medicine, Course on Cognitive Electrophysiology: ERP in the Evaluation of Cognitive Disorders,, İzmir, 2004

Dissertations

Doctorate, Effects of B-3-agonists on Cardiovascular System and Adhesion Molecules in Hyperglycemic Rats,, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Anabilim Dalı, 2009

Postgraduate, The Effects of Different Nitric Oxide Synthase Inhibitors upon Hemodynamic of Rats Received Lipopolysaccharide,, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Anabilim Dalı , 2003

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology, Surgery Medicine Sciences, Anesthesiology, Life Sciences, Animal Biology, Animal Physiology, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty Of Science, Department Of Biology, 2019 - Continues
Associate Professor, Istanbul University, Faculty Of Science, Department Of Biology, 2013 - 2019
Assistant Professor, Istanbul University, Faculty Of Science, Department Of Biology, 2010 - 2011
Research Assistant PhD, Istanbul University, Faculty Of Science, Department Of Biology, 2009 - 2010
Research Assistant, Istanbul University, Faculty Of Science, Department Of Biology, 2000 - 2009

Academic and Administrative Experience

Head of Department, Istanbul University, Faculty Of Science, Department Of Biology, 2021 - Continues

Courses

Klinik Arařtırmalar, Undergraduate, 2018 - 2019
Kişisel Proje, Undergraduate, 2018 - 2019
Hücre ve Moleküler Biyoloji Arařtırmaları 1, Undergraduate, 2018 - 2019
İnsan Anatomisi ve Fizyolojisi, Undergraduate, 2017 - 2018
Hücre ve Moleküler Biyoloji Arařtırmaları 2, Undergraduate, 2018 - 2019
Biyomedikal Cihaz Uygulamaları, Doctorate, 2018 - 2019
İnsan Sistemleri Ve Fonksiyonları, Undergraduate, 2016 - 2017
Hayvan Fizyolojisi, Undergraduate, 2014 - 2015
Mesleki İngilizce I, Undergraduate, 2010 - 2011, 2014 - 2015
Deney Hayvanlarında Modelleme, Postgraduate, 2014 - 2015
Sinir Sisteminde Seçme Konular, Postgraduate, 2014 - 2015
Mesleki İngilizce II, Undergraduate, 2013 - 2014

Advising Theses

AKSU U., Sıçanlarda Akut Normovolemik ve Hipervolemik Hemodilüsyonun Etkileri, Postgraduate, U.Çakır(Student), 2019
AKSU U., Sıçan kalp nakli modelinde kardiyopleji sıvılarının verici kalbi üzerine etkileri, Postgraduate, G.Karduz(Student), 2018
AKSU U., Sıçan hemorajik şok modelinde sıvı tedavilerinin böbrek üzerindeki etkileri, Postgraduate, K.Vardar(Student), 2017

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, İstanbul Üniversitesi, March, 2016
Post Graduate, Yüksek Lisans Tez Savunma Jürisi, İstanbul Üniversitesi, May, 2015
Post Graduate, Yüksek Lisans Tez Savunma Jürisi, İstanbul Üniversitesi, March, 2015
Post Graduate, Tez savunma jürisi, İstanbul Üniversitesi, May, 2014
Post Graduate, Tez savunma jürisi, İstanbul Üniversitesi, May, 2014

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

- Microcirculatory Response to Blood vs. Crystalloid Cardioplegia During Coronary Artery Bypass Grafting With Cardiopulmonary Bypass**
Aykut G., Ulugoel H., Aksu U., Akin S., Karabulut H., ALHAN C., TORAMAN F., Ince C.
FRONTIERS IN MEDICINE, vol.8, 2022 (Journal Indexed in SCI)

- II. **Are surgical and non-operating room intervention safe in the COVID-19 pandemic?: a retrospective study.**
Aktas Yildirim S., Sarikaya Z. T. , Ulugol H., Ozata S., Aksu U., Toraman F.
Epidemiology and infection, vol.149, pp.1511-1517, 2021 (Journal Indexed in SCI)
- III. **Effects of short-term hyperoxic ventilation on lung, kidney, heart, and liver in a rat model: A biochemical evaluation**
Aksu U., ULUGOL H., Sungur M. O. , Senturk E., Vardar K., Senturk M., TORAMAN F.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.27, no.5, pp.497-503, 2021 (Journal Indexed in SCI)
- IV. **Remote organ ischaemic preconditioning in human recipients suppresses systemic inflammation and prevents glycocalyx degradation in living-donor liver transplantation A randomised controlled trial**
Tosun M., GÜNER CAN M., AKSU U., EMİROĞLU R., TORAMAN F.
EUROPEAN JOURNAL OF ANAESTHESIOLOGY, vol.38, no.6, pp.667-669, 2021 (Journal Indexed in SCI)
- V. **Effects of upper limb ischemia-reperfusion on regional oxidative stress during aortic surgery with moderate hypothermia**
Balci E., Demir Z. A. , Ozay H. Y. , Vardar K., Karduz G., Aksu U., Unal E. U. , Ozgok A.
JOURNAL OF CARDIAC SURGERY, 2021 (Journal Indexed in SCI)
- VI. **St. Thomas and del Nido cardioplegia are superior to Custodiol cardioplegia in a rat model of donor heart**
Karduz G., Yaman M. O. , Altan M., Sahin G., TORAMAN F., AKSU U.
SCANDINAVIAN CARDIOVASCULAR JOURNAL, 2020 (Journal Indexed in SCI)
- VII. **Evaluation of acute kidney injury with oxidative stress biomarkers and Renal Resistive Index after cardiac surgery.**
KARARMAZ A., ARSLANTAS M., Aksu U., ULUGÖL H., CINEL I., TORAMAN F.
Acta chirurgica Belgica, pp.1-9, 2019 (Journal Indexed in SCI)
- VIII. **The Protective Effects of Thymosin- β -4 in a Rat Model of Ischemic Acute Kidney Injury.**
Aksu U., YAMAN O., GUNER I., GUNTAS G., SONMEZ F., TANRIVERDI G., ESER M., CAKIRIS A., AKYOL S., SEÇKIN İ., et al.
Journal of investigative surgery : the official journal of the Academy of Surgical Research, pp.1-9, 2019 (Journal Indexed in SCI)
- IX. **Perioperative risk factors of acute kidney injury after non-cardiac surgery: A multicenter, prospective, observational study in patients with low grade American Society of Anesthesiologists physical status**
İYİGÜN M., Aykut G., Tosun M., KILERCİK M., Aksu U., Guder T., TORAMAN F.
AMERICAN JOURNAL OF SURGERY, vol.218, no.3, pp.457-461, 2019 (Journal Indexed in SCI)
- X. **Visceral oxidative stress during antegrade cerebral perfusion and lower body circulatory arrest.**
ÜNAL E., KUBAT E., Soran T., KIRIŞ E., DEMİR A., AYTEKİN B., AKKAYA B., Aksu U., AKSÖYEK A.
Acta chirurgica Belgica, vol.119, pp.217-223, 2019 (Journal Indexed in SCI)
- XI. **Protective Effect of Thymosin 4 against Abdominal Aortic Ischemia-Reperfusion-Induced Acute Lung Injury in Rats**
YAMAN O. M. , Guner I., GUNTAS G., Sonmez O. F. , Tanriverdi G., Cakiris A., Aksu U., Akyol S., Guzel E., Uzun H., et al.
MEDICINA-LITHUANIA, vol.55, no.5, 2019 (Journal Indexed in SCI)
- XII. **Biochemical markers decrease and increase disproportionately in A1 pulley tissue of type 2 diabetic trigger finger patients**
Alp N. B. , AKDAĞ G., KARDUZ G., VARDAR K., AKSU U.
Eklem Hastalıkları ve Cerrahisi, vol.30, no.2, pp.117-123, 2019 (Journal Indexed in SCI)
- XIII. **Comparative Effects of Blood and Crystalloid Cardioplegia on Cellular Injury and Oxidative Stress in Cardiovascular Surgery**
ULUGOL H., Aksu U., KOÇYİĞİT M., Kilercik M., Karduz G., Okten M., TORAMAN F.
ANNALS OF THORACIC AND CARDIOVASCULAR SURGERY, vol.25, no.1, pp.10-17, 2019 (Journal Indexed in SCI)
- XIV. **Evaluation of serum ischemia-modified albumin levels in anemia of prematurity.**

EROL S., UNAL S., DEMIREL N., KULALI F., ISIK D., Aksu U., BAS A.

The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians, vol.31, pp.3133-3138, 2018 (Journal Indexed in SCI)

- XV. **Identification and quantification of human microcirculatory leukocytes using handheld video microscopes at the bedside.**
Uz Z., van G., AYDEMIRLI M., GUERCI P., INCE Y., CUPPEN D., ERGIN B., Aksu U., de M., INCE C. H.
Journal of applied physiology (Bethesda, Md. : 1985), vol.124, pp.1550-1557, 2018 (Journal Indexed in SCI)
- XVI. **dilutional anemia induces renal dysfunction in diabetic patients undergoing coronary artery bypass grafting: a consequence of microcirculatory alterations?**
Aykut G., KILERCIK M., Anturk C., ULUGOL H., Aksu U., Kudsioğlu T., Atalan N., Yapici N., Karabulut H., TORAMAN F.
JOURNAL OF NEPHROLOGY, vol.31, no.3, pp.417-422, 2018 (Journal Indexed in SCI)
- XVII. **Remote myocardial injury: the protective role of fluoxetine.**
Yaman O., ERMAN H., Guner I., TOK O., PALA M., ESREFOĞLU M., Gelisgen R., Uzun H., Aksu U., Yelmen N., et al.
Canadian journal of physiology and pharmacology, vol.96, pp.319-327, 2018 (Journal Indexed in SCI)
- XVIII. **Investigation of PhiKZ phage therapy against Pseudomonas aeruginosa in mouse pneumonia model**
Can K., Aksu U., Yenen O. S.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, no.3, pp.670-678, 2018 (Journal Indexed in SCI)
- XIX. **Effect of Alprazolam on Redox Status in Renal Transplantation Donors and Recipients**
Can M. G., Kocyigit O. I., Aksu U., ÖZER A., Toraman F.
ANNALS OF TRANSPLANTATION, vol.22, pp.354-360, 2017 (Journal Indexed in SCI)
- XX. **Unilateral Antegrade Cerebral Perfusion and Moderate Hypothermia: Assessing Safety With Novel Biomarkers**
Aytekin B., Unal E. U., Demir A., Aksu U., Caliskan A., Vardar K., TORAMAN F., Saritas A.
HEART LUNG AND CIRCULATION, vol.26, no.5, pp.495-503, 2017 (Journal Indexed in SCI)
- XXI. **A comparison between the measurements of arterial lactate and mixed venous oxygen saturation for the evaluation of tissue perfusion after coronary artery bypass grafting**
Okten M., ULUGOL H., Anturk C., Tosun M., Aksu U., Karabulut H., TORAMAN F.
TURK GOGUS KALP DAMAR CERRAHISI DERGISI-TURKISH JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, vol.24, no.4, pp.645-650, 2016 (Journal Indexed in SCI)
- XXII. **Gender and chronological age affect erythrocyte membrane oxidative indices in citrate phosphate dextrose adenine-formula 1 (CPDA-1) blood bank storage condition.**
ERMAN H., Aksu U., Belce A., Atukeren P., Uzun D., Cebe T., Kansu A. D., Gelisgen R., Uslu E., Aydin S., et al.
General physiology and biophysics, vol.35, no.3, pp.343-51, 2016 (Journal Indexed in SCI Expanded)
- XXIII. **Ischemia modified albumin: does it change during pneumoperitoneum in robotic prostatectomies?**
Ozgen S. U., ÖZVEREN B., Kilercik M., Aksu U., AY B., TÜFEK İ., KURAL A. R., TURKERI L. N., TORAMAN F.
INTERNATIONAL BRAZ J UROL, vol.42, no.1, pp.69-77, 2016 (Journal Indexed in SCI)
- XXIV. **Evaluation of microcirculation with tissue oxygen saturation monitoring in open heart surgery**
Kart J. S., ULUGOL H., ARITÜRK C., Aksu U., Okten M., Karabulut H., TORAMAN F.
TURK GOGUS KALP DAMAR CERRAHISI DERGISI-TURKISH JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, vol.23, no.4, pp.651-657, 2015 (Journal Indexed in SCI)
- XXV. **Comparative effects of hemodilutional anemia and transfusion during cardiopulmonary bypass on acute kidney injury: a prospective randomized study.**
ARITÜRK C., OZGEN Z., KILERCIK M., ULUGÖL H., ÖKTEN E., Aksu U., KARABULUT H., TORAMAN F.
The heart surgery forum, vol.18, 2015 (Journal Indexed in SCI)
- XXVI. **The effects of fluoxetine on circulating oxidative damage parameters in rats exposed to aortic ischemia-reperfusion**
Erman H., Guner I., Yaman M. O., Uzun D. D., Gelisgen R., Aksu U., Yelmen N., Sahin G., Uzun H.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.749, pp.56-61, 2015 (Journal Indexed in SCI)
- XXVII. **Fluoxetine ameliorates imbalance of redox homeostasis and inflammation in an acute kidney injury model**

- Aksu U, Guner I, Yaman O. M. , Erman H, Uzun D, Sengezer-Inceli M, Sahin A, Yelmen N, Gelisgen R, Uzun H., et al.
JOURNAL OF PHYSIOLOGY AND BIOCHEMISTRY, vol.70, no.4, pp.925-934, 2014 (Journal Indexed in SCI)
- XXVIII. **EFFECT OF TEMPOL ON REDOX HOMEOSTASIS AND STRESS TOLERANCE IN MIMETICALLY AGED DROSOPHILA**
 Aksu U, Yanar K, Terzioglu D, Erkol T, Ece E., Aydin S, Uslu E., Cakatay U.
ARCHIVES OF INSECT BIOCHEMISTRY AND PHYSIOLOGY, vol.87, no.1, pp.13-25, 2014 (Journal Indexed in SCI)
- XXIX. **The effect of fluoxetine on ischemia-reperfusion after aortic surgery in a rat model**
 Guner I, Yaman M. O. , Aksu U, Uzun D, Erman H, Inceli M., Gelisgen R., Yelmen N., Uzun H., Sahin G.
JOURNAL OF SURGICAL RESEARCH, vol.189, no.1, pp.96-105, 2014 (Journal Indexed in SCI)
- XXX. **The acute effects of acetate-balanced colloid and crystalloid resuscitation on renal oxygenation in a rat model of hemorrhagic shock**
 Almac E., Aksu U, Bezemer R., Jong W., Kandil A, YÜRÜK K., Demirci-Tansel C., İNCE C.
RESUSCITATION, vol.83, no.9, pp.1166-1172, 2012 (Journal Indexed in SCI)
- XXXI. **Reply to: crystalloid resuscitation in hemorrhagic shock**
 AKSU U., Bezemer R., Ince C.
RESUSCITATION, vol.83, no.8, 2012 (Journal Indexed in SCI)
- XXXII. **Balanced vs unbalanced crystalloid resuscitation in a near-fatal model of hemorrhagic shock and the effects on renal oxygenation, oxidative stress, and inflammation**
 Aksu U, BEZEMER R, Yavuz B, Kandil A, Demirci C., İNCE C.
RESUSCITATION, vol.83, no.6, pp.767-773, 2012 (Journal Indexed in SCI)
- XXXIII. **ACUTE EFFECTS OF BALANCED VERSUS UNBALANCED COLLOID RESUSCITATION ON RENAL MACROCIRCULATORY AND MICROCIRCULATORY PERFUSION DURING ENDOTOXEMIC SHOCK**
 Aksu U, BEZEMER R, Demirci C., İNCE C.
SHOCK, vol.37, no.2, pp.205-209, 2012 (Journal Indexed in SCI)
- XXXIV. **ATORVASTATIN IMPROVES DEVELOPMENT OF PENTYLENTETRAZOL-INDUCED KINDLING, LEARNING AND MEMORY DISORDERS IN RATS**
 Uzum G., Akgun-Dar K., Aksu U.
JOURNAL OF PHYSIOLOGICAL SCIENCES, vol.59, pp.368, 2009 (Journal Indexed in SCI)
- XXXV. **Intracerebroventricular serotonin reduces the degree of acute hypoxic ventilatory depression in peripherally chemodenervated rabbits**
 Guner I, Sahin G., Yelmen N. K. , Aksu U, Oruc T., Yildirim Z.
CHINESE JOURNAL OF PHYSIOLOGY, vol.51, no.3, pp.136-145, 2008 (Journal Indexed in SCI)
- XXXVI. **Sex differences in modulating blood brain barrier permeability by NO in pentylenetetrazol-induced epileptic seizures**
 Diler A. S. , Uzum G., Dar K. A. , Aksu U, Atukeren P., Ziyilan Y. Z.
LIFE SCIENCES, vol.80, no.14, pp.1274-1281, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Fluid Resuscitation Aggravates the Cellular Injury in a Hemorrhagic Shock Model**
 Vardar K., Can K., Aksu U.
 Dubai Medical Journal, pp.1-10, 2022 (Journal Indexed in ESCI)
- II. **Retrograde autologous priming method reduces plasma free hemoglobin level in aortic surgery.**
 Balci E., Aykut A., Demir A., Vardar K., Karduz G., Aksu U.
 Annals of cardiac anaesthesia, vol.24, no.4, pp.427-433, 2021 (Refereed Journals of Other Institutions)
- III. **Can Partial Oxygen Pressure of Urine be an Indicator for Tissue Perfusion?**
 Tosun M., ULUGOL H., Aksu U., TORAMAN F.
TURKISH JOURNAL OF ANAESTHESIOLOGY AND REANIMATION, vol.47, no.3, pp.187-191, 2019 (Journal Indexed in ESCI)
- IV. **İdrar Parsiyel Oksijen Basıncı, Doku Perfüzyonunun Göstergesi Olabilir Mi?**

TOSUN M., Uluğöl H., AKSU U., Toraman F.

Türk Anesteziyoloji ve Reanimasyon Derneği Dergisi, vol.TARD-89083, pp.89083, 2019 (Other Refereed National Journals)

- V. **Effects of Alprazolam and Melatonin Used for Premedication on Oxidative Stress, Glicocalyx Integrity and Neurocognitive Functions**
Can M. G. , ULUGOL H., GÜNEŞ I., Aksu U., Tosun M., Karduz G., Vardar K., TORAMAN F.
TURKISH JOURNAL OF ANAESTHESIOLOGY AND REANIMATION, vol.46, no.3, pp.233-237, 2018 (Journal Indexed in ESCI)
- VI. **Scavenging reactive oxygen species using tempol in the acute phase of renal ischemia/reperfusion and its effects on kidney oxygenation and nitric oxide levels**
AKSU U., Ergin B., BEZEMER R., Kandil A., Milstein D. M. , DEMİRCİ TANSEL C., İNCE C.
INTENSIVE CARE MEDICINE EXPERIMENTAL, vol.3, no.21, pp.1-10, 2015 (Refereed Journals of Other Institutions)
- VII. **Doku Oksijenlenmesi ve Perfüzyon Monitörizasyonu**
AKSU U., Toraman F.
Turkiye Klinikleri J Anesthesiology and Reanimation-Special Topics, vol.8(1), pp.8-14, 2015 (Other Refereed National Journals)
- VIII. **Bis maltolato oxovanadium (BMOV) and ischemia/reperfusion-induced acute kidney injury in rats**
ALMAC E., BEZEMER R., KANDİL A., AKSU U., Milstein D. M. , Bakker J., DEMİRCİ TANSEL C., İNCE C.
INTENSIVE CARE MEDICINE EXPERIMENTAL, vol.2, no.3, pp.1-9, 2014 (Refereed Journals of Other Institutions)
- IX. **Effect of Dexamethasone in Mediating Oxidative Stress Induced by Sodium Nitroprusside on Frog Sciatic Nerve Action Potentials**
AKSU U., Atukeren P., Terzioglu D., Belce A., Demirci-Tansel C.
BEZMIALEM SCIENCE, vol.1, no.1, pp.21-27, 2013 (Journal Indexed in ESCI)
- X. **Anesteziye tavşanlarda santral serotoninin solunum düzenlenmesindeki rolü**
Güner İ., SAHİN G., YELMEN N., AKSU U., Oruç T., Yıldırım Z.
CERRAHPAŞA TIP DERGİSİ, vol.4, pp.98-102, 2006 (National Refreed University Journal)

Books & Book Chapters

- I. **RENAL PERFUSION AND OXYGENATION DURING ACUTE KIDNEY INJURY**
AKSU U.
Netzodruk Groningen Bv, Groningen, 2015
- II. **The Pathogenesis of Acute Kidney Injury and the Toxic Triangle of Oxygen, Reactive Oxygen Species and Nitric Oxide**
AKSU U., DEMİRCİ TANSEL C., İNCE C.
in: Controversies in Acute Kidney Injury, Kellum JA, Ronco C, Vincent J-L, Editor, Karger Ag, Switzerland, pp.119-128, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **St. Thomas, del Nido ve Custodial Kardiyopleji Sıvıları'nın in vitro insan Akciğer Hücre Kültüründeki Etkilerinin Gerçek Zamanlı Olarak Değerlendirilmesi**
KARDUZ G., ÇETİN İ., TOPÇUL M. R. , ULUGÖL H., AKSU U., TORAMAN F.
25. Ulusal Göğüs Kalp Damar Anestezi Yoğun Bakım Kongresi, İstanbul, Turkey, 20 - 22 April 2019, vol.1, no.1, pp.1-3
- II. **Effects of pulmonary resections on endothelial glyocalix (preliminary results)**
Sungur Z., Yornuk M., Turhan Ö., AKSU U., Toraman F., Senturk M.
32nd EACTA Annual Congress, Berlin, Germany, 19 - 21 April 2018
- III. **Urine partial oxygen pressure as early marker of acute kidney injury after paediatric cardiac**

surgery

TOSUN M., Ulugöl H., Kırat B., Kilercik M., Erkek E., AKSU U., Alhan C., Toraman F.
32nd EACTA Annual Congress, Berlin, Germany, 19 April - 21 December 2018

- IV. **Elimination of hydroxyethyl starch (HES) when used as colloid priming in cardiovascular surgery**
Ulugöl H., Toraman F., KARDUZ G., Alhan C., Vardar K., TOSUN M., AKSU U., Kilercik M., Senturk M., OKTEN M.
32nd Annual Congress European Association of Cardiothoracic Anaesthesiology, Berlin, Germany, 19 - 21 April 2018, pp.16
- V. **Comparative effects of fluid resuscitation on lung and heart oxidative injury in a rat model of hemorrhagic shock**
Vardar K., Aksu U.
International Fluid Academy Days , Antwerp, Belgium, 23 - 25 November 2017, vol.5, no.32, pp.107
- VI. **The effect of S-nitrosoglutathione (GSNO) in a rat model of isoproterenol induced myocardial infarction**
KALELİ DURMAN D., Aksu U., Terzioğlu D., İkbāl Barış I., Yılmazbayhan D., UYDEŞ DOĞAN B. S.
7th European Congress of Pharmacology, İstanbul, Turkey, 26 - 30 June 2016, pp.60
- VII. **Different priming solution effects on interstitial lung edema and oxidative stress parameters**
Ulugöl H., Karabulut H., AKSU U., OKTEN M., TOSUN M., Kilercik M., Toraman F.
31st EACTA Annual Congress, Basel, Switzerland, 11 - 13 May 2016, pp.10
- VIII. **The chaotic behaviour of cardiovascular system during open heart surgery.**
TOSUN M., Ulugöl H., Ağbulut Y., AKSU U., Toraman F.
31st Annual Congress European Association of Cardiothoracic Anaesthesiology, Basel, Switzerland, 11 - 13 May 2016
- IX. **Optimization Of Oxidative Stress Parameters In Drosophila Melanogaster**
YANAR K., ÇAKATAY U., ATUKEREN P., AKSU U., AYDIN S.
XXV.Ulusal Biyokimya Kongresi, İzmir, Turkey, 3 - 06 September 2014, pp.331
- X. **Fizyolojik Sistemlerde Kaotik Özellikler (Sıçanlarda)**
Ağbulut Y., AKSU U., Akdeniz G.
30th International Physics Congress, İstanbul, Turkey, 1 - 03 September 2013, pp.298
- XI. **Fluoxetine reduces the lung injury induced by infrarenal abdominal aortic ischemia-reperfusion in rats**
ŞAHİN E. G., GÜNER İ., Yaman M. O. , Uzun D., ERMAN H., YELMEN N., İNCELİ M., AKSU U., Gelisgen R., UZUN H.
37th International Union of Physiological Sciences (IUPS) Congress, Birmingham, United Kingdom, 21 - 26 July 2013, pp.683
- XII. **The effects of balanced and unbalanced colloid and crystalloid solutions on renal microvascular perfusion in endotoxemic rats.**
AKSU U., DEMİRCİ TANSEL C., İNCE C.
31st ISICEM (International Symposium on Intensive Care and Emergency Medicine), Brussels, Belgium, 1 - 04 March 2010, pp.1
- XIII. **Mesenteric Blood Flow Can Be Affected by Aminoguanidine during Sepsis. Experimental Biology/IUPS, Late Breaking Abstracts**
DEMİRCİ TANSEL C., İNCE C., AKSU U.
XXXV International Congress of Physiological Sciences, United States Of America, 1 - 04 April 2005, pp.11

Other Publications

- I. **Reply to: crystalloid resuscitation in hemorrhagic shock.**

AKSU U., Bezemer R., İNCE C.

Technical Report, 2012

Supported Projects

AKSU U., KARDUZ G., Project Supported by Higher Education Institutions, Sıçan Kalp Nakli Modelinde Kardiyopleji Sıvılarının Verici Kalbi Üzerine Etkileri, 2018 - 2019

AKSU U., ÇAKIR M. U. , Project Supported by Higher Education Institutions, Sıçanlarda akut normovolemik ve hipervolemik hemodilüsyonun etkileri, 2018 - 2019

Scientific Refereeing

Trends in Medicine, Other Indexed Journal, July 2018

Cell Biology International, SCI Journal, November 2013

Cell Biology International, SCI Journal, October 2013

Cell Biology International, SCI Journal, September 2013

Cell Biology International, SCI Journal, August 2013

Cell Biology International, SCI Journal, May 2013

Cell Biology International, SCI Journal, March 2013

Edit Congress and Symposium Activities

The Meeting of Asian Society of Paediatric Anaesthesiologists, Attendee, İstanbul, Turkey, 2014

Göğüs-Kalp Damar Anestezi ve Yoğun Bakım Derneği XX. Ulusal Kongresi, Attendee, Muğla, Turkey, 2014

30th Int. Physics Congress, Attendee, İstanbul, Turkey, 2013

IUPS 2013, Attendee, Birmingham, United Kingdom, 2013

Göğüs-Kalp Damar Anestezi ve Yoğun Bakım Derneği XIX. Ulusal Kongresi, Attendee, Trabzon, Turkey, 2013

21. Ulusal Biyoloji Kongresi, Attendee, İzmir, Turkey, 2012

Citations

Total Citations (WOS):216

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Awards

AKSU U., Sözlü Sunu Yarışmasında Üçüncülük, Göğüs Kalp Damar ve Yoğun Bakım Derneği, April 2019

AKSU U., Klinik Sözlü Sunu Yarışmasında İkincilik, Türkiye Anesteziyoloji Ve Reanimasyon Derneği, October 2016

AKSU U., Sözlü Sunu Yarışmasında İkincilik, Göğüs Kalp Damar ve Yoğun Bakım Derneği, March 2016

AKSU U., Sözlü Sunu Yarışmasında Birincilik, Göğüs Kalp Damar ve Yoğun Bakım Derneği, April 2014

AKSU U., Klinik Sözlü Yarışmasında İkincilik, Türkiye Anesteziyoloji Ve Reanimasyon Derneği, November 2013

AKSU U., Sözlü Sunu Yarışmasında Üçüncülük, Göğüs Kalp Damar ve Yoğun Bakım Derneği, May 2013

GÜNER İ., AKSU U., Prof. Dr. Meliha Terzioğlu 40. yıl bilim ödülü, Türkiye Solunum Araştırmaları Derneği, October 2010

AKSU U., IUPS Travel Award, The American Physiological Society, April 2005