

## Assoc. Prof. PINAR ÜLKER

### Personal Information

**Office Phone:** [+90 242 249 6960](tel:+902422496960) Extension: 6115

**Fax Phone:** [+90 242 227 4483](tel:+902422274483)

**Email:** [pinarulker@akdeniz.edu.tr](mailto:pinarulker@akdeniz.edu.tr)

**Web:** <https://avesis.akdeniz.edu.tr/pinarulker>

**Address:** Akdeniz Üniversitesi Tıp Fakültesi Fizyoloji Anabilim Dalı

### International Researcher IDs

Publons / Web Of Science ResearcherID: I-9704-2017

Yoksis Researcher ID: 126980

### Education Information

Doctorate, Akdeniz University, Faculty Of Medicine, Fizyoloji, Turkey 2007 - 2013

Postgraduate, Akdeniz University, Faculty Of Medicine, Fizyoloji Anabilimdalı, Turkey 2004 - 2007

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2000 - 2004

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Mekanik Olarak Uyarılan Eritrosit Kaynaklı Nitrik Oksid Sentezinin Direnç Damarlarına Etkisi, Akdeniz University, Tıp Fakültesi, Fizyoloji, 2013

Postgraduate, Hemolitik Mekanik Travmaya Maruz Bırakılan Eritrositlerde Nitrik Oksidin ve Potasyum Kanlı Blokajının Koruyucu Etkisi, Akdeniz University, Tıp Fakültesi, Fizyoloji, 2007

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology

### Academic Titles / Tasks

Associate Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2019 - Continues

Assistant Professor, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2015 - 2019

Expert, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2013 - 2015

Research Assistant, Akdeniz University, Faculty of Medicine, Department of Basic Medical Sciences, 2005 - 2013

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of aurantiamide on a rat model of renovascular arterial hypertension**  
AYDIN ASLAN M., BASRALI F., ÜLKER P., Barut Z., Yılmaz Ç., Çeker T., ÖZEN N., Öztüzün A., ELPEK G. Ö.  
Pflugers Archiv European Journal of Physiology, vol.475, no.10, pp.1177-1192, 2023 (SCI-Expanded)
- II. **Physical Properties of Blood and their Relationship to Clinical Conditions**  
Alexy T., Detterich J., Connes P., Toth K., Nader E., Kenyeres P., Arriola-Montenegro J., ÜLKER P., Simmonds M. J.  
Frontiers in Physiology, vol.13, 2022 (SCI-Expanded)
- III. **Effect of Exercise on Angiotensin (1-7) Mediated Vasodilation Responses in Nitric Oxide Synthase Inhibition Hypertension Model**  
ÖZEN N., ABUEİD L., ÜLKER P., BASRALI F.  
ACTA PHYSIOLOGICA, vol.234, pp.30, 2022 (SCI-Expanded)
- IV. **Individual red blood cell nitric oxide production in sickle cell anemia: Nitric oxide production is increased and sickle shaped cells have unique morphologic change compared to discoid cells**  
Suriyana S., Xu I., Liu H., ÜLKER P., Fernandez G. E., Sposto R., Borzage M., Wenby R., Meiselman H. J., Forman H. J., et al.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.171, pp.143-155, 2021 (SCI-Expanded)
- V. **Concealed role of red blood cells in pathogenesis of pulmonary arterial hypertension: Decreased red blood cell nitric oxide generation and effect of Rho-Kinase inhibitor fasudil**  
BAŞARICI İ., ÖZEN N., Kilavuz E., Kisak F., BASRALI F., YARAŞ N., KÖKSOY S., Celik M. L., ÜLKER P.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.76, no.4, pp.535-548, 2020 (SCI-Expanded)
- VI. **Does ischemic preconditioning increase flap survival by ADORA2B receptor activation?**  
ÜLKER P., ÖZKAN Ö., Amoroso M., AYDIN ASLAN M., Bassorgun I., Ubur M. C., Unal K., Ozcan F., ÖZKAN Ö.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.75, no.2, pp.151-162, 2020 (SCI-Expanded)
- VII. **Erythrocyte Derived Nitric Oxide Production in Pulmonary Arterial Hypertension**  
ÜLKER P., ÖZEN N., BAŞARICI İ., Kilavuz E., BASRALI F., KÖKSOY S.  
ACTA PHYSIOLOGICA, vol.227, pp.27, 2019 (SCI-Expanded)
- VIII. **Rho-kinase is a negative regulator of red blood cell eNOS under basal conditions**  
ÜLKER P., ÖZEN N., Abduleyeva G., KÖKSOY S., YARAŞ N., BASRALI F.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.72, no.4, pp.407-419, 2019 (SCI-Expanded)
- IX. **Effects of Rho/Rho kinase Inhibition on Erythrocyte eNOS Enzyme Activity**  
ÜLKER P., ÖZEN N., Abdullayeva G., KÖKSOY S., BASRALI F.  
ACTA PHYSIOLOGICA, vol.225, pp.29, 2018 (SCI-Expanded)
- X. **Extracellular ATP activates eNOS and increases intracellular NO generation in Red Blood Cells**  
ULKER P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., YARAŞ N., BASRALI F.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.68, no.1, pp.89-101, 2018 (SCI-Expanded)
- XI. **Effect of 20-HETE inhibition on L-NAME-induced hypertension in rats**  
ÖZEN N., ULKER S. N., ULKER P., Ozcan F., Aslan M., Senturk U. K., BASRALI F.  
CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.40, no.3, pp.292-302, 2018 (SCI-Expanded)
- XII. **The effect of acute and short term normobaric hyperoxia on hemorheologic parameters.**  
Ulker P.  
Biorheology, vol.53, pp.171-177, 2016 (SCI-Expanded)
- XIII. **Interspecies diversity of erythrocyte mechanical stability at various combinations in magnitude and duration of shear stress, and osmolality.**  
Nemeth N., Sogor V., Kiss F., Ulker P.  
Clinical hemorheology and microcirculation, vol.63, pp.381-398, 2016 (SCI-Expanded)
- XIV. **Pentoxifylline Alleviates Early Brain Injury in a Rat Model of Subarachnoid Hemorrhage.**  
Goksu E. T., Dogan O., Ulker P., Tanriover G., Konuk E., Dilmac S., Kirac E., Demir N., Aslan M.  
Acta neurochirurgica, vol.158, no.9, pp.1721-30, 2016 (SCI-Expanded)
- XV. **Effect of magnesium supplementation on blood rheology in NOS inhibition-induced hypertension model**  
CENGİZ M., ULKER P., Uyuklu M., YARAŞ N., ÖZEN N., ASLAN M., ÖZYURT D., BASRALI F.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.63, no.1, pp.57-67, 2016 (SCI-Expanded)

- XVI. **Effect of Ventilation with Different Oxygen Concentrations on Erythrocyte Mechanical Properties and Plasma Viscosity**  
ÜLKER P., CENGİZ M.  
ACTA PHYSIOLOGICA, vol.215, pp.90, 2015 (SCI-Expanded)
- XVII. **Nitric oxide generated by red blood cells following exposure to shear stress dilates isolated small mesenteric arteries under hypoxic conditions**  
ÜLKER P., Gunduz F., Meiselman H. J., Baskurt O. K.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.54, no.4, pp.357-369, 2013 (SCI-Expanded)
- XVIII. **Shear stress activation of nitric oxide synthase and increased nitric oxide levels in human red blood cells**  
ÜLKER P., YARAŞ N., Yalcin O., Celik-Ozenci C., Johnson P. C., Meiselman H. J., Baskurt O. K.  
NITRIC OXIDE-BIOLOGY AND CHEMISTRY, vol.24, no.4, pp.184-191, 2011 (SCI-Expanded)
- XIX. **Nitric oxide, erythrocytes and exercise**  
Baskurt O. K., ÜLKER P., Meiselman H. J.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.49, no.1-4, pp.175-181, 2011 (SCI-Expanded)
- XX. **Nitric oxide generation in red blood cells induced by mechanical stress**  
ÜLKER P., Meiselman H. J., Baskurt O. K.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.45, no.2-4, pp.169-175, 2010 (SCI-Expanded)
- XXI. **Influence of tourniquet application on venous blood sampling for serum chemistry, hematological parameters, leukocyte activation and erythrocyte mechanical properties**  
CENGİZ M., ÜLKER P., Meiselman H. J., Baskurt O. K.  
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.47, no.6, pp.769-776, 2009 (SCI-Expanded)
- XXII. **Effects of storage duration and temperature of human blood on red cell deformability and aggregation**  
Uyuklu M., CENGİZ M., ÜLKER P., Hever T., Tripette J., Connes P., Nemeth N., Meiselman H. J., Baskurt O. K.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.41, no.4, pp.269-278, 2009 (SCI-Expanded)
- XXIII. **Comparison of three instruments for measuring red blood cell aggregation**  
Baskurt O. K., Uyuklu M., ÜLKER P., CENGİZ M., Nemeth N., Alexy T., Shin S., Hardeman M. R., Meiselman H. J.  
CLINICAL HEMORHEOLOGY AND MICROCIRCULATION, vol.43, no.4, pp.283-298, 2009 (SCI-Expanded)
- XXIV. **Mechanical stimulation of nitric oxide synthesizing mechanisms in erythrocytes.**  
ÜLKER P., Sati L., Celik-Ozenci C., Meiselman H. J., Baskurt O. K.  
Biorheology, vol.46, no.2, pp.121-32, 2009 (SCI-Expanded)
- XXV. **Parameterization of red blood cell elongation index - shear stress curves obtained by ektacytometry**  
Baskurt O. K., Hardeman M. R., Uyuklu M., ÜLKER P., CENGİZ M., Nemeth N., Shin S., Alexy T., Meiselman H. J.  
SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION, vol.69, no.7, pp.777-788, 2009 (SCI-Expanded)
- XXVI. **Comparison of three commercially available ektacytometers with different shearing geometries**  
Baskurt O. K., Hardeman M. R., Uyuklu M., ÜLKER P., CENGİZ M., Nemeth N., Shin S., Alexy T., Meiselman H. J.  
BIORHEOLOGY, vol.46, no.3, pp.251-264, 2009 (SCI-Expanded)
- XXVII. **Nitric oxide generation by endothelial cells exposed to shear stress in glass tubes perfused with red blood cell suspensions: role of aggregation**  
Yalcin O., ÜLKER P., Yavuzer U., Meiselman H. J., Baskurt O. K.  
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY, vol.294, no.5, 2008 (SCI-Expanded)
- XXVIII. **Mechanical stimulation of nitric oxide synthesizing mechanisms in erythrocytes**  
ÜLKER P., Meiselman H. J., Baskurt O. K.  
BIORHEOLOGY, vol.45, no.1-2, pp.94, 2008 (SCI-Expanded)
- XXIX. **Nitric oxide generation by endothelial cells exposed to shear stress generated by flowing red blood cell suspensions: Role of RBC aggregation**  
Yalcin O., ÜLKER P., Yavuzer U., Meiselman H. J., Baskurt O. K.  
BIORHEOLOGY, vol.45, no.1-2, pp.95, 2008 (SCI-Expanded)

- XXX. **Effects of red blood cell aggregation on myocardial hematocrit gradient using two approaches to increase aggregation**  
YALCIN O., Aydin F., ULKER P., UYUKLU M., GÜNGÖR F., ARMSTRONG J., MEISELMAN H., BASKURT O.  
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY, vol.290, no.2, 2006 (SCI-Expanded)
- XXXI. **Estimation of infused dextran plasma concentration via measurement of plasma viscosity**  
ÜLKER P., Alexy T., Meiselman H., Baskurt O.  
BIORHEOLOGY, vol.43, no.2, pp.161-166, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effect of P2X1 Receptor on Vascular Responses in the Diabetic Rat Model**  
ABDULLAYEVA G., ÖZEN N., ÜLKER P., BASRALI F.  
Akdeniz Tıp Dergisi, vol.9, no.3, pp.277-283, 2023 (Peer-Reviewed Journal)
- II. **Kan Akımının Yerel Olarak Düzenlenmesinde Eritrositlerin Rolü**  
ÜLKER KARADAMAR P., BASRALI F.  
Akdeniz Medical Journal, vol.4, no.3, pp.208-214, 2018 (Peer-Reviewed Journal)
- III. **Acute and short term hyperoxemia: How about hemorheology and tissue perfusion?**  
ÜLKER KARADAMAR P., ÖZEN N., BASRALI F., CENGİZ M.  
journal of intensive and critical care, no.3, pp.1-3, 2017 (Peer-Reviewed Journal)
- IV. **Acute and short term hyperoxemia: How about hemorheology and tissue perfusion?**  
ÜLKER KARADAMAR P., ÖZEN N., BASRALI F., CENGİZ M.  
journal of intensive and critical care, no.3, pp.1-3, 2017 (Peer-Reviewed Journal)
- V. **Acute and Short Term Hyperoxemia: How about Hemorheology and Tissue Perfusion?**  
ÜLKER KARADAMAR P., ÖZEN N., BASRALI F., CENGİZ M.  
Journal of Intensive and Critical Care, vol.3, no.2, pp.1, 2017 (Peer-Reviewed Journal)
- VI. **Endojen ve Eksojen Adenozin tri fosfatın Eritrosit Deformabilitesine Etkisi**  
ÜLKER KARADAMAR P.  
Akdeniz Tıp Dergisi, vol.3, no.1, pp.29-33, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Asit-Baz Fizyolojisi**  
BASRALI F., AĞAR A., UYSAL V. N., ÜLKER KARADAMAR P.  
in: Fizyoloji, Prof. Dr. Levent Öztürk, Editor, Hipokrat Kitabevi, Ankara, pp.311-337, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Contribution of red blood cells to pulmonary arterial hypertension pathogenesis: NOS activity and vessel responses**  
ÜLKER P., BAŞARICI İ., ÖZEN N., KILAVUZ E., KISAK F., BASRALI F., YARAŞ N., KÖKSOY S., ÇELİK M. L., ABUEİD L., et al.  
ESCHM-ISCH-ISB 2021 FUKUOKA, Fukuoka, Japan, 04 July 2021
- II. **Shear induced red blood cell nitric oxide production is increased insickle cell disease**  
ÜLKER P., Detterich J. A., Suriany S., Liu H., Fernandez G. E., Borzage M., Wenby R., Meiselman H. J., Forman H. J., Coates T. D.  
ESCHM-ISCH-ISB 2021 FUKUOKA, Fukuoka, Japan, 04 July 2021
- III. **Pulmoner hipertansiyonda eritrosit kaynaklı nitrik oksit üretimi/Erythrocyte derived nitric oxide**

**production in pulmonary arterial hypertension**

ÜLKER KARADAMAR P., ÖZEN N., BAŞARICI İ., KILAVUZ E., BASRALI F., KÖKSOY S.

45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, vol.227, pp.27

- IV. **Pulmoner Hipertansiyonda Eritrosit Kaynaklı Nitrik Oksit Üretimi**  
ÜLKER KARADAMAR P., ÖZEN N., BAŞARICI İ., KILAVUZ E., BASRALI F., KÖKSOY S.  
45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, pp.32
- V. **Pulmoner Hipertansiyonda Eritrosit Kaynaklı Nitrik Oksit Üretimi**  
ÜLKER KARADAMAR P., ÖZEN N., BAŞARICI İ., KILAVUZ E., BASRALI F., KÖKSOY S.  
45. Ulusal Fizyoloji Kongresi, Aydın, Turkey, 31 October - 03 November 2019, pp.32
- VI. **Human Albumin Infusion Recruit Hemorheology in Liver Transplant Patients**  
TAZEGÜL H., ÜLKER KARADAMAR P., ÖZEN N.  
BALKAN STATES ANESTHESIA DAYS – VI TRAUMA, ANESTHESIA AND INTENSIVE CARE, İzmir, Turkey, 3 - 06 April 2019, pp.239
- VII. **Human Albumin Infusion Recruit Hemorheology in Liver Transplant Patients**  
TAZEGÜL H., ÜLKER KARADAMAR P., ÖZEN N.  
BALKAN STATES ANESTHESIA DAYS – VI TRAUMA, ANESTHESIA AND INTENSIVE CARE, İzmir, Turkey, 3 - 06 April 2019, pp.239
- VIII. **Effects of Rho/Rho kinase on erythrocyte eNOS enzyme activity**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., BASRALI F.  
44. Ulusal Fizyoloji Kongresi, Turkey, 1 - 04 November 2018
- IX. **Autocrine and paracrine regulation of eNOS in red blood cells under shear stress**  
ÜLKER KARADAMAR P.  
International conference on multidisciplinary sciences, 15 - 16 December 2018
- X. **Effects of Rho/Rho kinase Inhibition on Erythrocyte eNOS Enzyme Activity**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., BASRALI F.  
Turkish Society of Physiological Sciences 44th National Physiology Congress, 1 - 04 November 2018, vol.225, pp.13235
- XI. **Rho/Rho Kinaz İnhibisyonunun Eritrosit eNOS Enzim Aktivitesine Etkisi**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., BASRALI F.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.47
- XII. **İrritabl Bağırsak Sendromunda Yeni Bir İndikatör: Eritrosit Agregasyonu**  
BÜLBÜL M., ÜLKER KARADAMAR P., Abdullayeva G., SİNEN O., Abueid L.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.94
- XIII. **Rho/Rho Kinaz İnhibisyonunun Eritrosit eNOS Enzim Aktivitesine Etkisi**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., BASRALI F.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.47
- XIV. **Rho/Rho Kinaz İnhibisyonunun Eritrosit eNOS Enzim Aktivitesine Etkisi**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., BASRALI F.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.47
- XV. **Rho/Rho Kinaz İnhibisyonunun Eritrosit eNOS Enzim Aktivitesine Etkisi**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., BASRALI F.  
44. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 1 - 04 November 2018, pp.47
- XVI. **Adora2b receptor activation mediates flap protection from ischemia/reperfusion injury**  
ÜLKER KARADAMAR P., ÖZKAN Ö., AMOROSO M., AYDIN ASLAN M., ÖZCAN F., BAŞSORGUN C. İ., ÖZKAN Ö.  
Joint Meeting of Three Society: The European Society for Clinical Hemorheology and Microcirculation The International Society of Clinical Hemorheology The International Society of Biorheology, 2 - 06 July 2018
- XVII. **Purinergic regulation of erythrocyte enzyme activity**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., YARAŞ N., BASRALI F.  
Joint Meeting of The European Society for Clinical Hemorheology and Microcirculation The International Society for Clinical Hemorheology The International Society for Biorheology, Krakow, Poland, 2 - 06 June 2018, pp.16
- XVIII. **Purinergic regulation of erythrocyte enzyme activity**

- ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., YARAŞ N., BASRALI F.  
Joint Meeting of The European Society for Clinical Hemorheology and Microcirculation The International Society for Clinical Hemorheology The International Society for Biorheology, Krakow, Poland, 2 - 06 June 2018, pp.16
- XIX. **Purinergic regulation of erythrocyte enzyme activity**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., YARAŞ N., BASRALI F.  
Joint Meeting of The European Society for Clinical Hemorheology and Microcirculation The International Society for Clinical Hemorheology The International Society for Biorheology, Krakow, Poland, 2 - 06 June 2018, pp.16
- XX. **Purinergic regulation of erythrocyte enzyme activity**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., YARAŞ N., BASRALI F.  
Joint Meeting of The European Society for Clinical Hemorheology and Microcirculation The International Society for Clinical Hemorheology The International Society for Biorheology, Krakow, Poland, 2 - 06 June 2018, pp.16
- XXI. **Purinergic regulation of erythrocyte enzyme activity**  
ÜLKER KARADAMAR P., ÖZEN N., ABDULLAYEVA G., KÖKSOY S., YARAŞ N., BASRALI F.  
Joint Meeting of The European Society for Clinical Hemorheology and Microcirculation The International Society for Clinical Hemorheology The International Society for Biorheology, Krakow, Poland, 2 - 06 June 2018, pp.16
- XXII. **Investigation of Changes of Maximal Elongation Index Under Different Shear Stress on Tennis Players**  
ÜLKER KARADAMAR P., KOÇ G., ÖZEN N., TURGUT E.  
14th International Sport Sciences Congress, Antalya, Turkey, 1 - 04 November 2016, pp.185
- XXIII. **Examining The Changes of Erythrocyte Deformability In Athletes That Do Long Term Maximal Strenght Training**  
ÖZEN N., ÜLKER KARADAMAR P., KOÇ G., TURGUT E., Erman K. A., BASRALI F.  
14th International Sport Sciences Congress, Antalya, Turkey, 1 - 04 November 2016, pp.567
- XXIV. **İnvestigation of changes of maximal elongation index under different shear stress on tennis players**  
ÜLKER KARADAMAR P., KOÇ G., ÖZEN N., TURGUT E.  
14th international sport science congress, 1 - 04 November 2016
- XXV. **Examining The Changes of Erythrocyte Deformability In Athletes That Do Long Term Maximal Strenght Training**  
ÖZEN N., ÜLKER KARADAMAR P., KOÇ G., TURGUT E., Erman K. A., BASRALI F.  
14th International Sport Sciences Congress, Antalya, Turkey, 1 - 04 November 2016, pp.567
- XXVI. **Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model**  
CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., AYDIN ASLAN M., YARAŞ N., ÖZEN N., BASRALI F.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130
- XXVII. **Nitric oxide generated by red blood cells following exposure to shear stress dilates isolated small mesenteric arteries underhypoxic conditions**  
ÜLKER KARADAMAR P., BASRALI F., Meiselman H. J.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.131
- XXVIII. **Red blood cell nitric oxide and sickle cell anemia - potential and pitfalls**  
ÜLKER KARADAMAR P., Detterich J.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130
- XXIX. **Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model**  
CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., AYDIN ASLAN M., YARAŞ N., ÖZEN N., BASRALI F.  
18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130
- XXX. **Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model**

CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., AYDIN ASLAN M., YARAŞ N., ÖZEN N., BASRALI F.

18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Porto, Portugal, 5 - 08 June 2016, pp.130

- XXXI. **Nitric oxide generated by red blood cells following exposure to shear stress dilates isolated small mesenteric arteries underhypoxic conditions**  
ÜLKER KARADAMAR P., BASRALI F., Meiselman H. J.  
Effect of magnesium supplementation on erythrocyte aggregation in NOS inhibition-induced hypertension model, Porto, Portugal, 5 - 08 June 2016, pp.131
- XXXII. **Pentoxifylline Administration Alleviated Tissue Injury in a Rat Model of Subarachnoid Hemorrhage**  
TANRIÖVER G., GÖKSU E. T., DİLMAÇ S., ÜLKER KARADAMAR P.  
14.Ulusal Sinir Bilimleri Kongresi, Ankara, Turkey, 26 - 29 May 2016, pp.52
- XXXIII. **Pentoxifylline Administration Alleviated Tissue Injury in a Rat Model of Subarachnoid Hemorrhage**  
TANRIÖVER G., GÖKSU E. T., ÜLKER KARADAMAR P., DİLMAÇ S.  
14.Ulusal Sinir Bilimleri Kongresi, Ankara, Turkey, 26 - 29 May 2016, pp.52
- XXXIV. **Ratlarda oluşturulan deneysel subaraknoid kanama modelinde pentoksifilin uygulaması doku hasarını azaltır.**  
TANRIÖVER G., göksu E., aslan M., dilmaç S., ülker P., konuk e.  
13. Ulusal Sinirbilimleri Kongresi, Ankara, Turkey, 30 April - 03 May 2016, pp.1-2
- XXXV. **Farklı Oksijen Konsantrasyonları İçeren Hava ile Ventilasyonun Eritrosit Mekanik Özelliklerine ve Plazma Viskozitesine Ekisi**  
ÜLKER KARADAMAR P., CENGİZ M.  
41. Ulusal Fizyoloji Kongresi, Çanakkale, Turkey, 9 - 13 September 2015, pp.211
- XXXVI. **L-NAME hipertansiyon modelinde magnezyum tedavisinin akım aracılı gevşeme yanıtına etkisi.**  
BASRALI F., ÜLKER KARADAMAR P., Özer N., ÜLKER S., Kocer G., Özyurt D., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 40. Ulusal Kongresi, Kayseri, Turkey, 2 - 06 September 2014, pp.66
- XXXVII. **L-NAME hipertansiyon modelinde magnezyum tedavisinin akım aracılı gevşeme yanıtına etkisi.**  
BASRALI F., ÜLKER KARADAMAR P., Özer N., ÜLKER S., Kocer G., Özyurt D., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 40. Ulusal Kongresi, Kayseri, Turkey, 2 - 06 September 2014, pp.66
- XXXVIII. **L-NAME hipertansiyon modelinde magnezyum tedavisinin akım aracılı gevşeme yanıtına etkisi.**  
BASRALI F., ÜLKER KARADAMAR P., Özer N., ÜLKER S., Kocer G., Özyurt D., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 40. Ulusal Kongresi, Kayseri, Turkey, 2 - 06 September 2014, pp.66
- XXXIX. **NOS İnhibisyonu Hipertansiyon Modelinde Magnezyum Tedavisinin Eritrosit Agregasyonu ve Plazma Viskozitesine Etkisi**  
CENGİZ M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., BASRALI F.  
39. Ulusal Fizyoloji Kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.161
- XL. **L-NAME hipertansiyon modelinde yüksek ve düşük magnezyum konsantrasyonlarının aort kasılma ve gevşeme yanıtları üzerine etkisi.**  
BASRALI F., Kocer G., ÜLKER S., ÜLKER KARADAMAR P., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 39. Ulusal Kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.103
- XLI. **L-NAME Hipertansiyon Modelinde Yüksek ve Düşük Magnezyum Konsantrasyonlarının Aort Kasılma ve Gevşeme Yanıtları Üzerine Etkisi**  
BASRALI F., KOÇER G., ÜLKER S., ÜLKER KARADAMAR P., ŞENTÜRK Ü. K.  
39. Ulusal Fizyoloji Kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.159
- XLII. **L-NAME Hipertansiyon Modelinde Yüksek ve Düşük Magnezyum Konsantrasyonlarının Aort Kasılma ve Gevşeme Yanıtları Üzerine Etkisi**  
BASRALI F., KOÇER G., ÜLKER S., ÜLKER KARADAMAR P., ŞENTÜRK Ü. K.  
39. Ulusal Fizyoloji Kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.159
- XLIII. **L-NAME Hipertansiyon Modelinde Yüksek ve Düşük Magnezyum Konsantrasyonlarının Aort Kasılma ve Gevşeme Yanıtları Üzerine Etkisi**  
BASRALI F., KOÇER G., ÜLKER S., ÜLKER KARADAMAR P., ŞENTÜRK Ü. K.  
39. Ulusal Fizyoloji Kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.159

- XLIV. **L-NAME hipertansiyon modelinde yüksek ve düşük magnezyum konsantrasyonlarının aort kasılma ve gevşeme yanıtları üzerine etkisi.**  
BASRALI F., Kocer G., ÜLKER S., ÜLKER KARADAMAR P., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 39. Ulusal Kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.103
- XLV. **Nitrik oksit sentaz inhibisyonuna bağlı hipertansiyon modelinde magnezyum tedavisinin aort kasılma ve gevşeme yanıtları üzerine etkisi.**  
BASRALI F., Kocer G., ÜLKER KARADAMAR P., ÜLKER S., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi,, Trabzon, Turkey, 25 - 29 September 2012, pp.156
- XLVI. **Nitrik oksit sentaz inhibisyonuna bağlı hipertansiyon modelinde magnezyum tedavisinin aort kasılma ve gevşeme yanıtları üzerine etkisi.**  
BASRALI F., Kocer G., ÜLKER KARADAMAR P., ÜLKER S., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi,, Trabzon, Turkey, 25 - 29 September 2012, pp.156
- XLVII. **L-NAME hipertansiyon modelinde magnezyum tedavisinin direnç damarları üzerine etkisi.**  
BASRALI F., ÜLKER S., Kocer G., ÜLKER KARADAMAR P., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi, Trabzon, Turkey, 25 - 29 September 2012, pp.147
- XLVIII. **L-NAME hipertansiyon modelinde magnezyum tedavisinin direnç damarları üzerine etkisi.**  
BASRALI F., ÜLKER S., Kocer G., ÜLKER KARADAMAR P., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi, Trabzon, Turkey, 25 - 29 September 2012, pp.147
- XLIX. **L-NAME Hipertansiyon Modelinde Magnezyum Tedavisinin Direnç Damarları Üzerine Etkisi**  
BASRALI F., ÜLKER S., KOÇER G., ÜLKER KARADAMAR P., SATI G. L., Özen N., ŞENTÜRK Ü. K.  
38. Ulusal Fizyoloji Kongresi, Trabzon, Turkey, 25 - 29 September 2012, pp.136
- L. **L-NAME hipertansiyon modelinde magnezyum tedavisinin direnç damarları üzerine etkisi.**  
BASRALI F., ÜLKER S., Kocer G., ÜLKER KARADAMAR P., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi, Trabzon, Turkey, 25 - 29 September 2012, pp.147
- LI. **NOS İnhibisyonu Hipertansiyon Modelinde Magnezyum Tedavisinin Aort Kasılma ve Gevşeme Yanıtları Üzerine Etkisi**  
Basralı F., Koçer G., Ülker Karadamar P., Ülker S., Satı G. L., Özen N., Şentürk Ü. K.  
38. Ulusal Fizyoloji Kongresi, Trabzon, Turkey, 25 - 29 September 2012, pp.131
- LII. **Nitrik oksit sentaz inhibisyonuna bağlı hipertansiyon modelinde magnezyum tedavisinin aort kasılma ve gevşeme yanıtları üzerine etkisi.**  
BASRALI F., Kocer G., ÜLKER KARADAMAR P., ÜLKER S., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi,, Trabzon, Turkey, 25 - 29 September 2012, pp.156
- LIII. **Nitrik oksit sentaz inhibisyonuna bağlı hipertansiyon modelinde magnezyum tedavisinin aort kasılma ve gevşeme yanıtları üzerine etkisi.**  
BASRALI F., Kocer G., ÜLKER KARADAMAR P., ÜLKER S., SATI G. L., Özer N., ŞENTÜRK Ü. K.  
Türk Fizyolojik Bilimler Derneği 38. Ulusal Kongresi,, Trabzon, Turkey, 25 - 29 September 2012, pp.156
- LIV. **Comparison of three instruments for red blood cell aggregation In: ISCH symposium comperative evaluation of instruments for measuring red blood cell aggregation and deformability**  
ALEXY T., MEİSELMAN H., BAŞKURT O. K., HARDEMAN M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., CENGİZ M.  
15th Conference of the European Society for Clinical Hemorheology and Microcirculation, 28 June - 01 July 2009
- LV. **Comparison of threektactometers In: ISCH symposium comperative evaluation of instruments for measuring red blood cell aggregation and deformability**  
ALEXY T., MEİSELMAN H., BAŞKURT O. K., HARDEMAN M., ÜYÜKLÜ M., ÜLKER KARADAMAR P., CENGİZ M., NEMETH N., SHİN S.  
15th conference of the european society of clinical hemorheology an microcirculation, 28 June - 01 July 2009
- LVI. **Effect of Mechanical Stress on RBC NOS Activation**  
ÜLKER KARADAMAR P., Meiselman H. J., Baskurt O. K.  
15th Conference of the European Society for Clinical Hemorheology and Microcirculation (ESCHM), Zurich, Switzerland, 28 June - 01 July 2009, pp.25
- LVII. **Nitric oxide generation by endothelial cells exposed to shear stress generated by flowing red blood cell suspensions: Role of RBC aggregation. In: Nitric oxide and erythrocyte: A two way relationship.**

Yalcin Ö., ÜLKER KARADAMAR P., YAVUZER B. U., MEİSELMAN H., BAŞKURT O. K.

13th International Congress of Biorheology and 6th International Conference on Clinical Hemorheology, 9 - 13 July 2008

**LVIII. Mechanical stimulation of nitric oxide synthesing mechanisms in erythrocytes. In : Nitric oxide and erythrocyte: a two way relationship**

ÜLKER KARADAMAR P., MEİSELMAN H., BAŞKURT O. K.

13th international congressof biorheology and 6th international conference on clinical hemorheology, 9 - 13 July 2008

**LIX. Hemolytic Mechanical Trauma To Red Blood Cells**

ÜLKER KARADAMAR P., Baskurt O. K.

2nd EuroSummer School on Biorheology and Symposium on Micromehnaobiology of Cells, Tissues and Syystems, Varna, Bulgaria, 17 - 21 September 2006, pp.55

**LX. Investigation of Whole Blood Viscosity in Poorly Controlled Diabetics Using A scanning Capillary Viscometer**

Yalcin O., ÜLKER KARADAMAR P., SARI R., Baskurt O. K.

2nd EuroSummer School on Biorheology and Symposium on Micromehnaobiology of Cells, Tissues and Syystems, Varna, Bulgaria, 17 - 20 September 2006, pp.58

## Supported Projects

ÜLKER P., TUBITAK Project, Hipertansiyon Modelinde Asperglaucide Uygulamasının Endotelyum Fonksiyonuna Etkileri, 2020 - Continues

BASRALI F., ÖZEN N., ÜLKER KARADAMAR P., Project Supported by Higher Education Institutions, Nitrik Oksit Sentaz İnhibisyonu Hipertansiyon Modelinde Egzersizin İletim Tipi Damarlarda Anjiyotensin (1-7) Aracılı Gevşeme Yanıtlarına Etkisi, 2018 - 2021

CENGİZ M., ÜLKER KARADAMAR P., TAZEGÜL H., ÖZEN N., Project Supported by Higher Education Institutions, Karaciğer Nakli Yapılan Hastalarda Perioperatif Hemoreolojik Parametrelerin Değerlendirilmesi, 2019 - 2020

AĞAR A., ÖZSOY Ö., ÜLKER S., BİRSEN İ., ÜLKER KARADAMAR P., ŞENTÜRK Ü. K., Özkan A., PARLAK H., BASRALI F., YARGIÇOĞLU AKKİRAZ P., et al., Project Supported by Higher Education Institutions, The protective mechanism of docosahexaenoic acid in mouse model of Parkinson: The role of hemeoxygenase, 2017 - 2019

BASRALI F., ÜLKER KARADAMAR P., ÖZEN N., YARAŞ N., CENGİZ M., AYDIN ASLAN M., Project Supported by Higher Education Institutions, Effect Of Magnesium Supplementation On Blood Rheology In Nos InhibitionInduced Hypertension Model, 2017 - 2019

BASRALI F., CENGİZ M., ÜLKER KARADAMAR P., ÜLKER S., ÖZEN N., SATI G. L., TANRIÖVER G., DEMİR N., ŞENTÜRK Ü. K., Project Supported by Higher Education Institutions, Effect Of Magnesium On Vascular Reactivity In Nos InhibitionInduced Hypertension, 2017 - 2019

GÖKSU E. T., TANRIÖVER G., AYDIN ASLAN M., DEMİR N., ÜLKER KARADAMAR P., Project Supported by Higher Education Institutions, DENEYSEL SUBARAKNOİD KANAMA SONRASI ERKEN BEYİN HASARINDA ORTAYA ÇIKAN PATOFİZYOLOJİK DEĞİŞİKLİKLER ÜZERİNE PENTOKSİFİLİNİN ETKİLERİ, 2015 - 2016

Ülker P., Satı G. L., TUBITAK Project, Eksojen ve Endojen ATP'nin Eritrosit eNOS Enzim Aktivitesine Etkisi, 2015 - 2016

## Metrics

Publication: 99

Citation (WoS): 595

Citation (Scopus): 599

H-Index (WoS): 13

H-Index (Scopus): 13

## **Congress and Symposium Activities**

44. Ulusal Fizyoloji Kongresi, Attendee, Aydın, Turkey, 2019  
BALKAN STATES ANESTHESIA DAYS – VI TRAUMA, ANESTHESIA AND INTENSIVE CARE, İZMİR, TÜRKİYE, Attendee, İzmir, Turkey, 2019
43. Ulusal Fizyoloji Kongresi, Attendee, Antalya, Turkey, 2018  
Joint Meeting of Three Society: The European Society for Clinical Hemorheology and Microcirculation The International Society of Clinical Hemorheology The International Society of Biorheology, „ Attendee, Krakow, Poland, 2018
- 14th International Sport Sciences Congress, Attendee, Antalya, Turkey, 2016
- 18th Conference of the European Society for Clinical Hemorheology and Microcirculation, Attendee, Porto, Portugal, 2016
41. Ulusal Fizyoloji Kongresi, Attendee, Çanakkale, Turkey, 2015
40. Ulusal Fizyoloji Kongresi, Attendee, Kayseri, Turkey, 2014
39. Ulusal Fizyoloji Kongresi, Attendee, Ankara, Turkey, 2013
38. Ulusal Fizyoloji Kongresi, Attendee, Trabzon, Turkey, 2012
- 15th Conference for Clinical Hemorheology and Microcirculation, Attendee, Zürich, Switzerland, 2009
- 2nd Eurosummer School on Biorheology & Symposium on micro Mechanobiology of cells, Tissues and Systems., Attendee, Varna, Bulgaria, 2005

## **Awards**

- ÜLKER P., Genç Araştırmacı Ödülü, Türk Fizyolojik Bilimler Derneği, September 2014