

## Res. Asst. NUR ÖZEN

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### Education Information

Doctorate, Akdeniz University, Faculty Of Medicine, Fizyoloji A.D., Turkey 2015 - Continues

Postgraduate, Akdeniz University, Faculty Of Medicine, Fizyoloji A.D., Turkey 2012 - 2015

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2006 - 2012

### Certificates, Courses and Trainings

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Akdeniz Üniversitesi, 2013

### Dissertations

Postgraduate, Nitrik Oksit Sentaz İnhibisyonu Hipertansiyon Modelinde 20-HETE'nin Rolü, Akdeniz University, Tıp Fakültesi, Fizyoloji A.D., 2014

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology

### Academic Titles / Tasks

Research Assistant, Akdeniz University, Faculty of Medicine, Fizyoloji A.D., 2015 - Continues

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

- I. **Red blood cell in preeclampsia: attenuated nitric oxide generation and enhanced reactive oxygen species formation and eryptosis**  
Turan Butun T., Özen N., Ozturk N., Yildirim A., Kilavuz E., Karadag C., Aykan Yuksel B., BASRALI F., Karadag B., ÜLKER P.  
Scandinavian Journal of Clinical and Laboratory Investigation, vol.84, no.6, pp.379-390, 2024 (SCI-Expanded)
- II. **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)

- 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. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Role of 20-HETE in Nitric Oxide Synthase Inhibition-induced Hypertension Model**  
ÖZEN N., Ulker S., Senturk U. K., BASRALI F.  
ACTA PHYSIOLOGICA, vol.215, pp.17, 2015 (SCI-Expanded)
- XII. **The Effect of P450 Enzyme Inhibition on Vascular Responsiveness in L-NAME Hypertension Model**  
BASRALI F., ÖZEN N., Ulker S., Senturk U. K.  
ACTA PHYSIOLOGICA, vol.215, pp.73-74, 2015 (SCI-Expanded)
- XIII. **Effect of magnesium supplementation on blood pressure and vascular reactivity in nitric oxide synthase inhibition-induced hypertension model.**  
BASRALI F., Kocer G., KARADAMAR P. U., ULKER S. N., SATI L., ÖZEN N., ÖZYURT D., Senturk U. K.  
Clinical and experimental hypertension (New York, N.Y. : 1993), vol.37, no.8, pp.633-42, 2015 (SCI-Expanded)
- XIV. **Comparison of four methods for rapid identification of Staphylococcus aureus directly from BACTEC 9240 blood culture system**  
ÖZEN N., Ogunc D., MUTLU D., ÖNGÜT G., Baysan B. O., Gunseren F.  
INDIAN JOURNAL OF MEDICAL MICROBIOLOGY, vol.29, no.1, pp.42-46, 2011 (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. **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)

- 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, vol.3, no.2, pp.1, 2017 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **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
- II. **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
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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
- XII. **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

- XIII. **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
- XIV. **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
- XV. **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 science congress, 1 - 04 November 2016
- XVI. **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
- XVII. **Examining The Changes of Erythrocyte Deformability In Athletes That Do Long Term Maximal Strenght Training**  
ÖZEN N., KARADAMAR P. U., KOÇ G., TELLİ E., ERMAN K. A., BASRALI F.  
14th International Sport Sciences Congress, Antalya, Turkey, 1 - 04 November 2016, pp.567
- XVIII. **Uzun Süreli Maksimal Kuvvet Antrenmanı Yapan Sporcularda Eritrosit Deformabilitesinde Gözlenen Değişimlerin İncelenmesi**  
ÖZEN N., KARADAMAR P. U., KOÇ G., TELLİ E., ERMAN K. A., BASRALI F.  
14. Uluslararası Spor Bilimleri Kongresi, Antalya, Turkey, 1 - 04 November 2016, pp.567
- XIX. **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
- XX. **Investigation of Changes of Maximal Elongation Index Under Different Shear Stress on Tennis Players**  
KARADAMAR P. U., KOÇ G., ÖZEN N., TELLİ E.  
14th International Sport Sciences Congress, Antalya, Turkey, 1 - 04 November 2016, pp.185
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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

- XXV. **Nitrik Oksit Sentaz İnhibisyonu Hipertansiyon Modelinde 20-HETE'nin Rolü**  
ÖZEN N., Ülker S., Şentürk Ü. K., Basralı F.  
41. Ulusal Fizyoloji Kongresi, Çanakkale, Turkey, 9 - 13 September 2015, pp.42-43
- XXVI. **The Effect of P450 Enzyme Inhibition on Vascular Responsiveness in L-NAME Hypertension Model**  
BASRALI F., Özen N., ÜLKER S., ŞENTÜRK Ü. K.  
41. Ulusal Fizyoloji Kongresi Çanakkale Onsekiz Mart Üniversitesi, Çanakkale, Turkey, 9 - 13 September 2015, pp.175
- XXVII. **CYP450 Enzim İnhibisyonunun L-NAME Hipertansiyon Modelinde Damar Yanıtları Üzerine Etkisi**  
Basralı F., ÖZEN N., Ülker S., Şentürk Ü. K.  
41. Ulusal Fizyoloji Kongresi, Çanakkale, Turkey, 9 - 13 September 2015, pp.174-175
- XXVIII. **Beta-adrenerjik stimülasyonun aort kasılma ve gevşeme yanıtlarına etkisi**  
ÖZEN N., DALAMAN U., YARAŞ N., BASRALI F.  
39. ulusal fizyoloji kongresi, Ankara, Turkey, 10 - 14 September 2014, pp.154
- XXIX. **Beta-adrenerjik stimülasyonun aort kasılma ve gevşeme yanıtlarına etkisi**  
ÖZEN N., DALAMAN U., YARAŞ N., BASRALI F.  
39. ulusal fizyoloji kongresi, Ankara, Turkey, 10 - 14 September 2014, pp.154
- XXX. **BASINÇ YÜKLENMESİYLE OLUŞTURULAN KARDİYAK HİPERTROFİ MODELİNDE AORT KASILMA VE GEVŞEME YANITLARININ İNCELENMESİ**  
ÖZEN N., Olgar Y., Öztürk N., Özdemir S., Basralı F.  
40. Ulusal Fizyoloji Kongresi, Kayseri, Turkey, 2 - 06 September 2014, pp.55
- XXXI. **L-NAME HİPERTANSİYON MODELİNDE MAGNEZYUM TEDAVİSİNİN AKIM ARACILI GEVŞEME YANITINA ETKİSİ**  
BASRALI F., ÜLKER KARADAMAR P., ÖZEN N., ÜLKER S., KOCER G., OZYURT D., ŞENTÜRK Ü. K.  
40. Ulusal Fizyoloji Kongresi, Kayseri, Turkey, 2 - 06 September 2014, pp.83
- XXXII. **Beta-adrenerjik stimülasyonun aort kasılma ve gevşeme yanıtlarına etkisi**  
ÖZEN N., DALAMAN U., YARAŞ N., BASRALI F.  
39. ulusal fizyoloji kongresi, Ankara, Turkey, 10 - 14 September 2013, pp.154
- XXXIII. **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
- XXXIV. **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

## Supported Projects

- 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
- 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

## **Memberships / Tasks in Scientific Organizations**

Türk Fizyolojik Bilimler Derneği (TFBD), Member, 2013 - Continues

## **Metrics**

Publication: 52

Citation (WoS): 40

Citation (Scopus): 53

H-Index (WoS): 4

H-Index (Scopus): 5

## **Congress and Symposium Activities**

45. Ulusal Fizyoloji Kongresi, Attendee, Aydın, Turkey, 2019

44. Ulusal Fizyoloji Kongresi, Attendee, Antalya, Turkey, 2018

Joint Meeting of The European Society for Clinical Hemorheology and Microcirculation The International Society for Clinical Hemorheology The International Society for Biorheology, Attendee, Krakow, Poland, 2018

14th International Sport Sciences Congress, Attendee, Antalya, Turkey, 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