

## Prof. MUSTAFA EMRE

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### Education Information

Doctorate, Cukurova University, Temel Tıp Bilimleri, Biyofizik, Turkey 1986 - 1992

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics

### Academic Titles / Tasks

Professor, Cukurova University, Temel Tıp Bilimleri, Biyofizik, 2013 - Continues

### Academic and Administrative Experience

Cukurova University, 1983 - Continues

### Advising Theses

EMRE M., Rozigitazonun Diyabetik Sıçan Papiller Kalp Kasının Mekanik ve Elektriksel Aktiviteleri üzerine etkisi, Doctorate, S.Kavak(Student), 2008

EMRE M., AC manyetik alanların deneysel olarak oluşturulan diyabetli sıçanların aorta prepatlarının mekanik özellikleri üzerine etkilerinin araştırılması, Doctorate, I.Öcal(Student), 2005

EMRE M., AC magnetik alanların deneysel olarak oluşturulan diyabetli sıçanların diyafram kaslarının mekanik özellikleri üzerine etkilerinin araştırılması, Doctorate, A.Demirkazık(Student), 2005

### Jury Memberships

Post Graduate, Yüksek lisans Tez savunması, Çukurova Üniversitesi, August, 2014

Post Graduate, yüksek lisans, Süleyman Demirel Üniversitesi, January, 2011

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

- I. **Effects of High-Molecular-Weight Polyvinyl Chloride (HMW-PVC) Microplastics on Xenopus Laevis Adults and Embryos**  
BOĞA PEKMEZEKMEK A., EMRE M., Tunc E., ERDOĞAN Ş., Yılmaz B., SERTDEMİR Y., EMRE Y.  
ACTA PHYSIOLOGICA, vol.234, pp.84, 2022 (SCI-Expanded)
- II. **L-Glutamic acid monosodium salt reduces the harmful effect of lithium on the development of Xenopus laevis embryos**  
BOĞA PEKMEZEKMEK A., EMRE M., Tunc E., SERTDEMİR Y.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.33, pp.42124-42132, 2020 (SCI-Expanded)
- III. **The Effect of Monosodium glutamate, Lithium and GSM Like Radiofrequency Irradiation on Xenopus Embryos Using FETAX Test**  
Pekmezekmek A. B., EMRE M., SERTDEMİR Y.  
ACTA PHYSIOLOGICA, vol.225, pp.68, 2018 (SCI-Expanded)
- IV. **Effect of Monosodium Glutamate and 900 MHz Radiofrequency Electromagnetic Radiation on Membrane Potential of Fertilized and Unfertilized Xenopus Eggs**  
EMRE M., BOĞA PEKMEZEKMEK A.  
ACTA PHYSIOLOGICA, vol.225, pp.69, 2018 (SCI-Expanded)
- V. **Ağrı patofizyolojisinde voltaj kapılı kalsiyum kanallarının rolü**  
EMRE M.  
Kafkas Üniversitesi Veteriner Fakültesi Dergisi, vol.8, no.2, pp.140-148, 2018 (SCI-Expanded)
- VI. **EFFECTS OF DIFFERENT TEMPERATURES ON ELECTRICAL CHARACTERISTICS OF RAT DIAPHRAGM MUSCLE**  
KAVAK S., AKPINAR D., EMRE M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.8876-8881, 2018 (SCI-Expanded)
- VII. **Residual NO modulates contractile responses and membrane potential in isolated rat mesenteric arteries**  
Kiroglu O. E., Ozu Ö., EMRE M., Bayel I., Kumcu E., SEÇİLMİŞ M. A.  
NITRIC OXIDE-BIOLOGY AND CHEMISTRY, vol.71, pp.21-26, 2017 (SCI-Expanded)
- VIII. **Critical time point for apoptotic cell death in an experimental ischemia/reperfusion model and the effect of N-acetylcystein**  
Ozsarlak-Sozer G., Emre M., Demirkol S., AÇIKALIN A., ÇETİNER S., TOPÇU Z., Demir-Dora D.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.3, pp.265-272, 2017 (SCI-Expanded)
- IX. **Effects of GSM-like radiofrequency irradiation during the oogenesis and spermiogenesis of Xenopus laevis**  
Boga A., EMRE M., SERTDEMİR Y., UNCU I., Binokay S., DEMİRHAN O.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.129, pp.137-144, 2016 (SCI-Expanded)
- X. **The effect of 900 and 1800 MHz GSM-like radiofrequency irradiation and nicotine sulfate administration on the embryonic development of Xenopus laevis**  
Boga A., EMRE M., SERTDEMİR Y., Akilhoglu K., Binokay S., DEMİRHAN O.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.113, pp.378-390, 2015 (SCI-Expanded)
- XI. **The Impact of Magnesium on Isometric Twitch Parameters and Resting Membrane Potential of the Skeletal Muscle in Diabetic Rats**  
PELİT A., EMRE M., Dagli K., TULİ A.  
CELL BIOCHEMISTRY AND BIOPHYSICS, vol.65, no.3, pp.315-319, 2013 (SCI-Expanded)
- XII. **The embryonic development of Xenopus laevis under a low frequency electric field**  
Boga A., Binokay S., EMRE M., SERTDEMİR Y.

- IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL, vol.48, no.6, pp.385-391, 2012 (SCI-Expanded)
- XIII. **Deterioration of Bone Quality by Streptozotocin (STZ)-Induced Type 2 Diabetes Mellitus in Rats**  
Erdal N., Gurgul S., Kavak S., Yildiz A., EMRE M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.140, no.3, pp.342-353, 2011 (SCI-Expanded)
- XIV. **Oxidative Stress and Apoptosis in Relation to Exposure to Magnetic Field**  
Emre M., Çetiner S., Zencir S., Unlukurt I., Kahraman I., Topçu Z.  
CELL BIOCHEMISTRY AND BIOPHYSICS, vol.59, no.2, pp.71-77, 2011 (SCI-Expanded)
- XV. **The effects of telmisartan on mechanical responses of left ventricular papillary muscle in rats with streptozotocin-induced diabetes mellitus**  
EMRE M., Kavak S., ÜNLÜGENÇ H.  
ACTA DIABETOLOGICA, vol.47, 2010 (SCI-Expanded)
- XVI. **Effects of Insuline on Oxidative Stress and Free Fatty Acid Level in Left Ventricular Muscles of Diabetic Rats**  
KAVAK S., AYAZ L., EMRE M., BOZKURT A.  
Asian Journal Of Chemistry, vol.21, no.7, pp.5677-5684, 2009 (SCI-Expanded)
- XVII. **Positive Inotropic Effect of Rosiglitazone in Papillary Muscles in Control and Diabetic Rats**  
KAVAK S., EMRE M., BOZKURT A., DEMİR H.  
Asian Journal of Chemistry, vol.21, no.7, pp.5685-5693, 2009 (SCI-Expanded)
- XVIII. **Repetitive 50 Hz pulsed electromagnetic field ameliorates the diabetes-induced impairments in the relaxation response of rat thoracic aorta rings**  
Kavak S., EMRE M., Meral I., ÜNLÜGENÇ H., PELİT A., Demirkazık A.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.85, no.8, pp.672-679, 2009 (SCI-Expanded)
- XIX. **The effects of magnetic field on the biomechanics parameters of soleus and extensor digitorum longus muscles in rats with streptozotocin-induced diabetes**  
PELİT A., ÖZAYKAN B., TULİ A., DEMİRKAZIK A., EMRE M. İ., GÜNAY İ.  
DIABETES TECHNOLOGY & THERAPEUTICS, vol.10, no.4, pp.294-298, 2008 (SCI-Expanded)
- XX. **The effects of rosiglitazone on oxidative stress and lipid profile in left ventricular muscles of diabetic rats**  
KAVAK S., Ayaz L., EMRE M., INAL T., Tamer L., Guenay I.  
CELL BIOCHEMISTRY AND FUNCTION, vol.26, no.4, pp.478-485, 2008 (SCI-Expanded)
- XXI. **Effects of rosiglitazone on altered electrical left ventricular papillary muscle activities of diabetic rat**  
KAVAK S., EMRE M., TETIKER T., KAVAK T., KOLCU Z., Guenay I.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.376, no.6, pp.415-421, 2008 (SCI-Expanded)
- XXII. **A randomized controlled study evaluating the effects of the temperature of insufflated CO<sub>2</sub> on core body temperature and blood gases (an experimental study)**  
Bashirov E., Cetiner S., Emre M., Seydaliyeva T., Alic V., Daglioglu K., Ozalevli M., San M., Topcuoglu M. S.  
SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES, vol.21, no.10, pp.1820-1825, 2007 (SCI-Expanded)
- XXIII. **Urocortin induces endothelium-dependent vasodilatation and hyperpolarization of rat mesenteric arteries by activating Ca<sup>2+</sup>-activated K<sup>+</sup> channels**  
Secilmis M. A., Ozue O. Y., Emre M., Bueyuekafsar K., Kiroglu O. E., Ertug P., Karatas Y., Onder S., Singirik E.  
TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE, vol.213, no.1, pp.89-98, 2007 (SCI-Expanded)
- XXIV. **Remifentanil-induced mechanical responses and membrane potential changes in human umbilical arteries**  
Unlugenc H., Emre M., Demir C., Guler T., Kavak S., Isik G.  
ACTA ANAESTHESIOLOGICA SCANDINAVICA, vol.51, no.2, pp.244-251, 2007 (SCI-Expanded)
- XXV. **The effects of high-rate frequency modulation treatment on malondialdehyde in diabetic polineuropaty**  
Kavak T., Kavak S., Emre M., Tulgar M., Dulger H., Cankaya S.  
ACTA PHARMACOLOGICA SINICA, vol.27, pp.438, 2006 (SCI-Expanded)
- XXVI. **The acute effect of trimetazidine on the high frequency fatigue in the isolated rat diaphragm muscle**

Emre M., Karayaylali I., San M., Demirkazık A., Kavak S.

ARCHIVES OF PHARMACAL RESEARCH, vol.27, no.6, pp.646-652, 2004 (SCI-Expanded)

**XXVII. Nonsynergistic effects of trimetazidine and selenium combination therapy on renal ischemic-reperfusion injury in rats**

KARAYAYLALI I., EMRE M., SEYREK N., YILDIZ S., ERDOĞAN S., BALAL M., Paydas S., TUNCER I., ALPARSLAN N.

ADVANCES IN THERAPY, vol.21, no.1, pp.47-60, 2004 (SCI-Expanded)

**XXVIII. Effects of trimetazidine and selenium on high-frequency fatigue in isolated rat diaphragm muscle**

Emre M., Karayaylali I., San M.

ADVANCES IN THERAPY, vol.20, no.5, pp.261-269, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effects of Exposure to 900 MHz Radiofrequency Radiation and Nicotine on Apoptotic Ratio of Human Fetal Cells**  
EMRE M., BOĞA PEKMEZEKMEK A., ÇETİNER S., TUNÇ E., DEMİRHAN O.  
South East European Journal of Immunology, vol.4, no.4, pp.1-7, 2021 (Peer-Reviewed Journal)
- II. **Effects of Psychosocial Stress on Bone Health**  
Emre M.  
Journal of Geriatric Science, vol.3, no.2, pp.66-74, 2020 (Peer-Reviewed Journal)
- III. **The genotoxic effects of 900-1800 MHz radiofrequency electromagnetic fields on chromosomes of human fetal cells**  
Uslu N., Demirhan O., Emre M., Seydaoğlu G.  
Biomedical Research and Clinical Practice,, vol.4, pp.1-6, 2019 (Peer-Reviewed Journal)
- IV. **The Effects of Radiofrequency and Low Frequency Electromagnetic Fields on the Immune System**  
EMRE M.  
Journal of Immunology and Clinical Microbiology, vol.3, no.4, pp.68-80, 2019 (Peer-Reviewed Journal)
- V. **Voltaj Kapılı Kalsiyum Kanalları ve Moleküller Özellikleri**  
EMRE M.  
Arşiv Kaynak Tarama Dergisi, vol.27, no.1, pp.1-17, 2018 (Peer-Reviewed Journal)
- VI. **Does Warmin-g Intravenous Fluids During Spinal-Induced Hypotension Decreases The Incidence Of Hypotension And Reduce The Amount Of Fluid, Transfusion And Ephedrine Requirements?**  
Ünlügenç H., Güleç E., Ilgınel M., Ünal İ., Emre M.  
MIDDLE EAST JOURNAL OF ANESTHESIOLOGY, vol.25, no.1, pp.51-59, 2018 (Scopus)
- VII. **Does warming intravenous fluids during spinal-induced hypotension decrease the incidence of hypotension and reduce the amount of fluid, transfusion and ephedrine requirements?**  
Ünlügenç H., Güleç E., Ilgınel M., Ünal İ., Emre M.  
Middle East Journal of Anesthesiology, vol.25, no.1, pp.51-59, 2018 (Scopus)
- VIII. **The chromosomal effects of GSM-like electromagnetic radiation exposure on human fetal cells**  
USLU İ. N., DEMİRHAN O., EMRE M., SEYDAOĞLU G.  
Journal of Pregnancy and Reproduction, vol.1, no.2, pp.1-6, 2017 (Peer-Reviewed Journal)
- IX. **Streptozototin İle Deneysel Diyabet Oluşturulan Sıçanların Soleus Kaslarının Elektrofizyolojik Parametrelerine Elektromanyetik Alanın Etkileri**  
Pelit A., Emre M., Demirkazık A., Günay İ.  
CUKUROVA MEDICAL JOURNAL, vol.38, no.3, pp.426-433, 2013 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of Biophysical Stimulation on Bone and Cartilage Tissue**  
EMRE M.

V. International Congress on Natural and Health Sciences (ICNHS-2019), Adana, Turkey, 13 - 15 December 2019

II. **THE EFFECTS OF MOBILE PHONES ON ENVIRONMENT AND HEALTH**

EMRE M.

II.The international Medicine and Health Sciences Researches Congress, Şanlıurfa, Turkey, 1 - 03 November 2019

III. **THE EFFECT OF TRIMETAZIDINE ON THE CONTACTYL AND RECOVERY PROPERTIES OF RAT PAPILLAR HEART MUSCLE DURING HYPOXY AND REPERFUSION**

EMRE M.

II. The International Medicine and Health Sciences Researches Congress, Şanlıurfa, Turkey, 1 - 03 November 2019

IV. **Effect of Monosodium Glutamate and 900 MHz Radiofrequency Electromagnetic Radiation on Membrane Potential of Fertilized and Unfertilized Xenopus Eggs**

EMRE M., BOĞA PEKMEZEKMEK A.

Turkish Society of Physiological Sciences 44th National Physiology Congress, Antalya, Turkey, 1 - 04 November 2018, vol.225, pp.69

V. **The Effect of Monosodium glutamate, Lithium and GSM Like Radiofrequency Irradiation on Xenopus Embryos Using FETAX Test**

BOĞA PEKMEZEKMEK A., EMRE M.

Turkish Society of Physiological Sciences 44th National Physiology Congress, 1 - 04 November 2018, vol.225, pp.68

VI. **Çeşitli Biyolojik Dokuların Elektriksel Özellikleri**

BOĞA PEKMEZEKMEK A., EMRE M.

17th International Eastern Mediterranean Family Medicine Congress, Adana, Turkey, 10 - 13 May 2018, pp.207

VII. **900 MHz ve 1800 MHz Radyofrekans Elektromagnetik Radyasyonun Xenopus Laevis Haraket Aktivitesi Üzerine Etkisinin Araştırılması**

BOĞA PEKMEZEKMEK A., EMRE M.

17th International Eastern Mediterranean Family Medicine Congress, Adana, Turkey, 10 - 13 May 2018, pp.243

VIII. **The effect of glucose,nicotine sulfate administrattion and 900 MHz GSM-Like Radiofrequency irradiation on the Embryonic development of Xenopus Laevis**

BOĞA PEKMEZEKMEK A., EMRE M., DEMİRHAN O., SERTDEMİR Y.

1s international food and medicine congress (IFMC 2018), Ankara, Turkey, 24 - 27 May 2018, pp.165

IX. **The effect of glucose, nikotin sulfate administration and 900 MHz GSM-like radiofrequency irradiation on the embryonic development of Xenopus laevis.**

BOĞA PEKMEZEKMEK A., EMRE M., DEMİRHAN O., SERTDEMİR Y.

1st International Food and Medicine Congress, Hacettepe Üniversitesi, 24 May - 27 June 2018

X. **Protective effects of 4-Hydroxy-Tempol on ischemia reperfusion injury of rat kidneys.**

EMRE M., KARAYAYLALI İ., ÇETİNER S.

7Th.World Congress of Oxidative stress, Calcium Signaling and TRP Channels, 20 - 23 April 2018

XI. **The effect of 900 MHz GSM-like radiofrequency irradiation and nicotine administration on the apoptosis of human fetal cells**

EMRE M., BOĞA PEKMEZEKMEK A., ÇETİNER S.

WORLD IMMUNOLOGY CONGRESS, 14 - 15 December 2017

XII. **The effect of 900 MHz GSM ?like radiofrequency irradiation and nicotine administration on the apoptosis of human fetal cells**

EMRE M., BOĞA PEKMEZEKMEK A.

World Immunology Congress, Dubai, United Arab Emirates, 14 - 15 November 2017, vol.8, pp.7

XIII. **Sıçan mezenter arterinde izometrik kasılmalarla salıverilen rezidüel nitrik oksidin damar tonusu ve membran potansiyeli üzerinde modülatör rolü**

KIROĞLU O., SEÇİLMİŞ M. A., EMRE M., BAYEL İ., ÖZÜ Ö., ŞİNGİRİK E.

21. Ulusal Farmakoloji Kongresi 4. Klinik Toksikoloji Sempozyumu 5. Klinik Farmakoloji Sempozyumu, Turkey, 19 - 22 October 2011

XIV. **İzole sıçan mezenterik arterinde izometrik kasılmalarla salıverilen nitrik oksidin damar düz kas tonusu ve membran potansiyeli üzerindeki rolü**

KIROĞLU O., ÖZÜ Ö., EMRE M., SEÇİLMİŞ M. A., ŞİNGİRİK E.

20. Ulusal Farmakoloji Kongresi, Turkey, 4 - 07 November 2009

- XV. **Investigation of local and systemic injected bone marrow derived mesenchymal stem cells on cold allodynia and electrophysiologic parameters in mononeuropathic mice**  
KIROĞLU O., Yegani A. A., Maytalmán E., EMRE M., AKSU F.  
7th European Congress of Pharmacology, İstanbul, Turkey, 26 - 30 June 2016
- XVI. **Spinal Anestezi İle Sezaryen Uygulanan Olgularda İnfüzyon Sıvılarını Isıtmak 37 Oc Maternal Hipotansiyon Sıklığını Efedrin Ve Sıvı İhtiyacını Azaltır Mı**  
ÜNLÜGENÇ H., GÜLEÇ E., ILGINER M., ÜNAL İ., EMRE M.  
Türk Anesteziyoloji ve Reanimasyon Kongresi, Turkey, 20 - 22 November 2015
- XVII. **Xenopus laevis in embriyonik gelişimi üzerine 900 ve 1800 MHz GSM benzeri radyofrekans radyasyonu ve nikotin muamelesinin etkisi**  
BOĞA PEKMEZEKMEK A., EMRE M., SERTDEMİR Y., KÜBRA A., BİNOKAY U. S., DEMİRHAN O.  
40.Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014
- XVIII. **İnsan fõtal hücrelerinin apopitozu üzerine 900 MHz GSM-benzeri radyasyon ve nikotinin etkisi.**  
Emre M., DEMİRHAN O., ark. v.  
40.Ulusal Fizyoloji Kongresi,, Kayseri, Turkey, 2 - 06 September 2014, pp.184
- XIX. **Xenopus Laevis'in Embriyonik Gelişimi Üzerine 900 VE 1800 MHZ GSM-Benzeri Radyofrekans Radyasyonu Ve Nikotin Muamelesinin Etkisi. , 2-6 Eylül 2014 Erciyes Üniversitesi Sabancı Kültür Merkezi, P184.**  
BOĞA PEKMEZEKMEK A., EMRE M., SERTDEMİR Y., BİNOKAY U. S., DEMİRHAN O.  
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014, vol.184
- XX. **İnsan Fõtal Hücrelerinin Apopitozu Üzerine 900 MHZ GSM Benzeri Radyasyon ve Nikotinin etkisi**  
EMRE M., BOĞA PEKMEZEKMEK A., ÇETİNER S., TUNÇ E., DEMİRHAN O.  
40. Ulusal Fizyoloji Kongresi, Turkey, 2 September - 06 April 2014
- XXI. **Lokal ve sistemik mezenkimal kök hücre transplantasyonunun mononöropati oluşturulan farelerde elektrofizyolojik karakterler üzerine etkilerinin karşılaştırılması**  
KIROĞLU O., ALIZADEH YEGANI A., MAYTALMAN E., EMRE M., AKSU F.  
22. Ulusal Farmakoloji Kongresi 6. Klinik Toksikoloji Sempozyumu 5. Klinik Farmakoloji Sempozyumu, Turkey, 4 - 07 November 2013
- XXII. **Mononöropati oluşturulan farelerde mezenkimal kök hücre transplantasyonunun ağrı davranışı ile elektrofizyolojik ve histopatolojik karakterler üzerine etkisi**  
KIROĞLU O., ALIZADEH YEGANI A., MAYTALMAN E., EMRE M., ZORLUDEMİR S., AKSU F.  
22. Ulusal Farmakoloji Kongresi 6. Klinik Toksikoloji Sempozyumu 5. Klinik Farmakoloji Sempozyumu, Turkey, 4 - 07 November 2013
- XXIII. **The effect of mesenchymal stem cells injection on allodynia, electrophysiologic and histologic parameters in an experimental mononeuropathy model**  
AKSU F., KIROĞLU O., ALIZADEH YEGANI A., MAYTALMAN E., EMRE M., ZORLUDEMİR S., METE S.  
26th European College of Neuropsychopharmacology Congress (ECNP), Spain, 5 - 09 October 2013
- XXIV. **The Effect of Mesenchymal Stem Cells Injection on Mouse Soleus Muscle Using Experimental Mononeuropathy Model**  
KIROĞLU O., AKSU F., EMRE M., ERKAN M., METE S., ERGİN Ş.  
25. ECNP Congress, Vienna, Australia, 2012, VİYANA, Austria, 13 - 17 October 2012, vol.22, pp.303
- XXV. **The effect of mesenchymal stem cells on allodynia electrophysiologic and histologic parameters in an experimental neuropathy model**  
AKSU F., KIROĞLU O., ARASH A. Y., ERKAN M., EMRE M., ZORLUDEMİR S., METE S.  
26th ECNP Congress, 2013, Barcelona, Spain., BARCELONA, Spain, 5 - 09 October 2013, vol.23, pp.224
- XXVI. **Deneyisel mononöropati modelinde mezenkimal kök hücre enjeksiyonunun fare soleus kası üzerine rejeneratif etkisi**  
KIROĞLU O., AKSU F., EMRE M., MAYTALMAN E., METE S., ŞİNGİRİK E.  
21. Ulusal Farmakoloji Kongresi 4. Klinik Toksikoloji Sempozyumu 5. Klinik Farmakoloji Sempozyumu, Turkey, 19 - 22 October 2011

- XXVII. **Sıçan mezenterik arterinde izometrik kasılmalarla saliverilen rezidüel nitrik oksidin damar tonusu ve membran potansiyeli üzerinde modülatör rolü**  
KIROGLU O. E., SEÇİLMİŞ M. A., EMRE M., BAYEL İ., ÖZÜ Ö., ŞİNGİRİK E.  
21. Ulusal Farmakoloji Kongresi, Eskişehir, Turkey, 19 - 22 October 2011, pp.104
- XXVIII. **İzole sıçan mezenterik arterinde izometrik kasılmalarla saliverilen nitrik oksidin damar düz kas tonusu ve membran potansiyeli üzerindeki modülatör rolü**  
KIROGLU O. E., ÖZÜ Ö., EMRE M., SEÇİLMİŞ M. A., ŞİNGİRİK E.  
20. Ulusal Farmakoloji Kongresi, Antalya, Turkey, 4 - 07 November 2009, pp.160
- XXIX. **Apoptotic and Necrotic Cell Percentages in Kidney Cells from Rats Exposed to Magnetic Field**  
EMRE M., ÇETİNER S., Zencir S., TOPÇU Z.  
3rd Asian Pacific Regional Meeting of the International-Society-for-the-Study-of-Xenobiotics, Bangkok, Thailand, 10 - 12 May 2009, vol.41, pp.38
- XXX. **Rozigitazonun Diyabetik Sıçan Papiller Kalp Kası Üzerine Etkilerinin Ultrastrüktürel Düzeyde Değerlendirilmesi**  
TAP Ö., KAVAK S., EMRE M., ÖZGÜR H., POLAT S.  
18. Ulusal Elektronik Mikroskopi Kongresi, Turkey, 26 - 29 August 2007
- XXXI. **The effects of streptozotocin induced diabetes and insulin treatment on anxiety related behaviours in wistar rats**  
KOCAHAN S., Babar E., EMRE M., KAVAK S., AKILLIOĞLU K., Melik E.  
6th National Congress of Neuroscience. Neuroanatomy 6 (suppl.1):18: Safranbolu/Karabük, 2007, Turkey, 9 - 13 April 2007
- XXXII. **Böbrekte Deneysel İskemi/Reperfüzyon Hasarında Selenyum ve Trimetazidin'xxin Etkileri**  
POLAT S., Gubari S., EMRE M., ÖZGÜR H., KAVAK S., SENCAR GÜNDOĞDU L.  
8. Ulusal Histoloji ve Embriyoloji Kongresi, Turkey, 27 - 30 June 2006
- XXXIII. **Kronik miyokard infarktüsü oluşturulmuş domuzlarda hipotermik CO2 Pneumoperitoneumunun fizyolojik etkileri**  
Aslan A., Bashirov E., Ozalevli M., San M., TOPÇUOĞLU M. Ş., EMRE M., DAĞLIOĞLU Y. K., ÇETİNER S., Seydaliyeva T., Alic V.  
Türk Cerrahi Kongresi, Antalya, Turkey, 01 May 2004
- XXXIV. **VI. International Euroasian and Azerbaijanian Congress of Gastroenterologists and Surgeons**  
Bashirov E., San M., TOPÇUOĞLU M. Ş., DAĞLIOĞLU Y. K., EMRE M., ÇETİNER S., Seydaliyeva T., Alic V., Inan Y., Aslan A.  
Ratlarda İzo-normo ve Hipotermik Pneumoperitoneum ve Postoperatif Ağrı Hassasiyeti, Azerbaycan, Azerbaijan, 01 June 2003, pp.23
- XXXV. **Effect of heated and cooled CO2 on body core temperature: an experimental study**  
Aslan A., Bashirov E., DAĞLIOĞLU Y. K., Ozalevli M., San M., TOPÇUOĞLU M. Ş., EMRE M., ÇETİNER S., Seydaliyeva T., Alic V.  
VI. International Euroasian and Azerbaijanian Congress of Gastroenterologists and Surgeons, Azerbaycan, Azerbaijan, 01 June 2003, pp.230
- XXXVI. **The effects of chronic AC magnetic field on contraction and relaxation of isolated thoracic aorta rings of healthy and diabetic rats**  
OCAL I., DEMIRKAZIK A., EMRE M., Gunay I.  
IEEE International Symposium on Electromagnetic Compatibility (EMC), İstanbul, Turkey, 11 - 16 May 2003, pp.1207-1210

## Supported Projects

BOĞA PEKMEZEKMEK A., EMRE M., YILMAZ M. B., SERTDEMİR Y., Project Supported by Higher Education Institutions, Mikroplastik Yüksek molekül ağırlıklı polivinil klorür (HMWPVC) parçacıklarına maruz bırakılan *Xenopus laevis* embriyolarının FETAX testi ile değerlendirilmesi, 2019 - 2020

EMRE M., ÇETİNER S., BOĞA PEKMEZEKMEK A., Project Supported by Higher Education Institutions, The Effect of 900 MHz GSMlike Radiofrequency Irradiation and Nicotine Administration on the Apoptosis of Human Fetal Cells, 2017 - 2018

BOĞA PEKMEZEKMEK A., EMRE M., Project Supported by Higher Education Institutions, Glukoz Nikotin ve Elektromanyetik Radyasyon Dalgalarının Xenopus Embriyosu Üzerine Etkisinin Değerlendirilmesi, 2017 - 2018

EMRE M., Project Supported by Higher Education Institutions, Uluslararası Yayınları Özendirme Desteği (2 Adet), 2014 - 2018

EMRE M., Project Supported by Higher Education Institutions, Cep telefonlarından yayılan Elektromanyetik Radyasyon Dalgalarının (900 Mhz) Xenopus Yumurta/Sperm ve Embriyosu Üzerine Etkisinin Değerlendirilmesi, 2016 - 2017

KIROĞLU O., ZORLUDEMİR S., EMRE M., AKSU F., Maytalman E., Alizadeh Yegani A., Project Supported by Higher Education Institutions, Lokal ve Sistemik Mezenkimal Kök Hücre Transplantasyonunun Mononöropati Oluşturulan Farelerde Ağrı Davranışı Elektrofizyolojik ve Histopatolojik Karakterler Üzerine Etkisi, 2016 - 2017

EMRE M., Project Supported by Higher Education Institutions, Sıçan Böbrek İskemi/Reperfüzyon Hasarında 4-Hydroxy-Tempol'ün Canlı, Nekrotik ve Apoptotik Hücre Yüzdelerine Etkisi, 2012 - 2016

BOĞA PEKMEZEKMEK A., BİNOKAY U. S., EMRE M., Project Supported by Higher Education Institutions, Cep telefonlarından yayılan Elektromanyetik Radyasyon Dalgalarının 1800 mHz Xenopus YumurtaSperm ve Embriyosu Üzerine Etkisinin Değerlendirilmesi, 2015 - 2015

### **Scientific Refereeing**

The Journal of Immunology and Clinical microbiology, Other Indexed Journal, June 2016

### **Scientific Consultations**

ÇUKUROVA ÜNİVERSİTESİ, Scientific Consultancy, Cukurova University, Temel Tıp Bilimleri, Biyofizik, Turkey, 2015 - Continues

### **Metrics**

Publication: 75  
Citation (WoS): 136  
Citation (Scopus): 156  
H-Index (WoS): 7  
H-Index (Scopus): 7

### **Congress and Symposium Activities**

biyofizik, Moderator, Diyarbakır, Turkey, 2011