

## **Prof. İSMAİL GÜNEY**

### **Personal Information**

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### **International Researcher IDs**

ORCID: 0000-0002-0138-251X

Yoksis Researcher ID: 9338

### **Education Information**

Doctorate, Ankara University, School Of Medicine, Department Of Basic Medical Sciences, Turkey 1977 - 1981

### **Foreign Languages**

English, B2 Upper Intermediate

### **Dissertations**

Doctorate, İnsan ekstensör digitorum brevis kasından kayıtlanan aksiyon potansiyel eğrilerinin Fourier frekans analizi, türev ve integral teknikleri ile incelenmesi, Cukurova University, Tip Fakültesi, Biyofizik \_ Medikal Fizik, 1981

### **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics

### **Academic Titles / Tasks**

Professor, Cukurova University, Tip Fakültesi, Temel Tip Bilimleri / Biyofizik, 1995 - Continues

Associate Professor, Cukurova University, Tip Fakültesi, Temel Tip Bilimleri / Biyofizik, 1987 - Continues

Assistant Professor, Cukurova University, Tip Fakültesi, Temel Tip Bilimleri / Biyofizik, 1985 - Continues

Assistant Professor, Ondokuz Mayıs University, School Of Medicine, Temel Tip Bilimleri / Biyofizik, 1983 - 1985

Research Assistant PhD, Ankara University, Tip Fakültesi, Temel Tip Bilimleri / Biyofizik, 1977 - 1983

### **Courses**

BİYOELEKTRİK, Postgraduate, 2007 - 2008

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

- I. **The Identification of Intracellular Signalling Pathway Through DHMGB1/TLR2 Axis on Myocardial Ischemia/Reperfusion Injury-Induced Apoptosis**  
Guven E. T., Guven C., KAYA S. T., Keles A. I., Destegul D., PELİT A., GÜNEY İ.  
ACTA PHYSIOLOGICA, vol.234, pp.28, 2022 (SCI-Expanded)
- II. **A Low-Frequency Pulsed Magnetic Field Reduces Neuropathic Pain by Regulating NaV<sub>1.8</sub> and NaV<sub>1.9</sub> Sodium Channels at the Transcriptional Level in Diabetic Rats.**  
Coskun Ç., Ocal I., Gunay I.  
Bioelectromagnetics, vol.42, pp.357-370, 2021 (SCI-Expanded)
- III. **Pulsed magnetic field maintains vascular homeostasis against H2O2-induced oxidative stress.**  
Günay İ., Baldan İ., Tokus M., Coşkun Ç., Öcal I., Çiçek F.  
General physiology and biophysics, vol.39, no.6, pp.579-586, 2020 (SCI-Expanded)
- IV. **BK channel openers NS1619 and NS11021 reverse hydrogen peroxide-induced membrane potential changes in skeletal muscle**  
COŞKUN Ç., BÜYÜKNACAR H. S., ÇİÇEK F., GÜNEY İ.  
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.40, no.5, pp.449-455, 2020 (SCI-Expanded)
- V. **The effect of very low dose pulsed magnetic waves on cochlea**  
Tuhanoglu B., Erkan S. O., GÜRGÜN S. G., Ozdas T., Gorgulu O., ÇİÇEK F., GÜNEY İ.  
BRAZILIAN JOURNAL OF OTORHINOLARYNGOLOGY, vol.85, no.3, pp.282-289, 2019 (SCI-Expanded)
- VI. **Pulsed magnetic field enhances therapeutic efficiency of mesenchymal stem cells in chronic neuropathic pain model**  
Mert T., Kurt A. H., Altun I., Celik A., Baran F., GÜNEY İ.  
BIOELECTROMAGNETICS, vol.38, no.4, pp.255-264, 2017 (SCI-Expanded)
- VII. **Frequency-dependent effects of sequenced pulsed magnetic field on experimental diabetic neuropathy**  
Mert T., Gisi G., Celik A., Baran F., Uremis M. M., GÜNEY İ.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.91, no.10, pp.833-842, 2015 (SCI-Expanded)
- VIII. **Study of thermoluminescence response of purple to violet amethyst quartz from Balikesir, Turkey**  
Nur N., Yeğençil Z., Topaksu M., Kurt K., Doğan T., Sarıgül N., Yüksel M., Altunal V., Özdemir A. C., Guckan V., et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.358, pp.6-15, 2015 (SCI-Expanded)
- IX. **Investigation of the Effect of Macrophage-Mediated Pulsed Magnetic Field to the Sciatic Nerve Regeneration**  
Kahraman I., GÜVEN M., DOKUYUCU R., Sefil F., GÜNEY İ.  
ACTA PHYSIOLOGICA, vol.215, pp.67-68, 2015 (SCI-Expanded)
- X. **Modulation of cytokine levels in ameliorative effects of pulsed magnetic field on an experimental model of Chronic Constriction Injury**  
Mert T., Altun I., Celik A., Surer T., GÜNEY İ.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.91, no.7, pp.596-602, 2015 (SCI-Expanded)
- XI. **Pain-relieving effects of pulsed magnetic fields in a rat model of carrageenan-induced hindpaw inflammation**  
Mert T., ÖCAL I., Cinar E., Yalcin M. S., GÜNEY İ.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.90, no.1, pp.95-103, 2014 (SCI-Expanded)
- XII. **Comparison of actions of systemically and locally administrated local anaesthetics in diabetic rats with painful neuropathy**  
Mert T., Gunes Y., GÜNEY İ.  
FUNDAMENTAL & CLINICAL PHARMACOLOGY, vol.27, no.2, pp.161-168, 2013 (SCI-Expanded)
- XIII. **Dexmedetomidine modifies uterine contractions in pregnancy terms of rats**  
ÖCAL I., Gunes Y., Mert T., ÖZCENGİZ D., GÜNEY İ.  
INDIAN JOURNAL OF PHARMACOLOGY, vol.45, no.2, pp.168-173, 2013 (SCI-Expanded)
- XIV. **Clodronate changes neurobiological effects of pulsed magnetic field on diabetic rats with peripheral**

**neuropathy**

Mert T., Ocal I., GÜZEL A. İ., GÜNAY İ.

ELECTROMAGNETIC BIOLOGY AND MEDICINE, vol.32, no.3, pp.342-354, 2013 (SCI-Expanded)

- XV. Effects of Rosiglitazone with Insulin Combination Therapy on Oxidative Stress and Lipid Profile in Left Ventricular Muscles of Diabetic Rats

Kavak S., Ayaz L., Emre A.

EXPERIMENTAL DIABETES RESEARCH, 2012 (SCI-Expanded)

- XVI. Pulsed Magnetic Fields Enhance the Rate of Recovery of Damaged Nerve Excitability

GÜNAY İ., Mert T.

BIOELECTROMAGNETICS, vol.32, no.3, pp.200-208, 2011 (SCI-Expanded)

- XVII. Effect of Tramadol on Peripheral Nerves: An In Vitro Electrophysiological Study on the Sural and Tibial Nerves of Rats

GÜVEN M., Kahraman I., Gunes Y., GÜNAY İ.

TURKIYE KLINIKLERİ TIP BİLİMLERİ DERGİSİ, vol.31, no.1, pp.30-38, 2011 (SCI-Expanded)

- XVIII. The conduction block produced by oxcarbazepine in the isolated rat sciatic nerve: a comparison with lamotrigine

GÜVEN M., Kahraman I., Koc F., BOZDEMİR H., Sarica Y., GÜNAY İ.

NEUROLOGICAL RESEARCH, vol.33, no.1, pp.68-74, 2011 (SCI-Expanded)

- XIX. Neurobiological Effects of Pulsed Magnetic Field on Diabetes-Induced Neuropathy

Mert T., GÜNAY İ., ÖCAL I.

BIOELECTROMAGNETICS, vol.31, no.1, pp.39-47, 2010 (SCI-Expanded)

- XX. The Effects of Oxcarbazepine on 4-Aminopyridine-Induced Afterpotentials on Isolated Rat Sural Nerves

GÜVEN M., Kahraman I., Koc F., BOZDEMİR H., Sarica Y., GÜNAY İ.

JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.27, no.2, pp.139-149, 2010 (SCI-Expanded)

- XXI. Magnesium modifies fentanyl-induced local antinociception and hyperalgesia

Mert T., Gunes Y., ÖZCENGİZ D., GÜNAY İ.

NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.380, no.5, pp.415-420, 2009 (SCI-Expanded)

- XXII. Macrophage depletion delays progression of neuropathic pain in diabetic animals

Mert T., Gunay I., ÖCAL I., GÜZEL A. B., İNAL T. C., SENCAR L., POLAT S.

NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.379, no.5, pp.445-452, 2009 (SCI-Expanded)

- XXIII. 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)

- XXIV. 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)

- XXV. Effects of alternating magnetic field on the metabolism of the healthy and diabetic organisms

ÖCAL I., Kalkan T., GÜNAY İ.

BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.51, no.3, pp.523-530, 2008 (SCI-Expanded)

- XXVI. 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)

- XXVII. Role of 4-aminopyridine-sensitive potassium channels in peripheral antinociception

Mert T., Gunes Y., Gunay I.

EUROPEAN JOURNAL OF PHARMACOLOGY, vol.572, pp.138-141, 2007 (SCI-Expanded)

- XXVIII. Local analgesic efficacy of tramadol following intraplantar injection

Mert T., Gunes Y., Gunay I.

EUROPEAN JOURNAL OF PHARMACOLOGY, vol.558, pp.68-72, 2007 (SCI-Expanded)

- XXIX. **The actions of lamotrigine and levetiracetam on the conduction properties of isolated rat sciatic nerve**  
Guven M., Bozdemir H., Gunay I., Sarica Y., Kahraman I., Koc F.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.553, pp.129-134, 2006 (SCI-Expanded)
- XXX. **Regenerative effects of pulsed magnetic field on injured peripheral nerves**  
Mert T., Gunay I., Gocmen C., Kaya M., Polat S.  
ALTERNATIVE THERAPIES IN HEALTH AND MEDICINE, vol.12, no.5, pp.42-49, 2006 (SCI-Expanded)
- XXXI. **Comparative effects of lidocaine and tramadol on injured peripheral nerves**  
Mert T., Gunes Y., Ozcengiz D., Gunay I., Polat S.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.543, pp.54-62, 2006 (SCI-Expanded)
- XXXII. **The effects of high-rate frequency modulation treatment on malondialdehyde in diabetic polyneuropathy**  
Kavak T., Kavak S., Emre M., Tulgar M., Dulger H., Cankaya S.  
ACTA PHARMACOLOGICA SINICA, vol.27, pp.438, 2006 (SCI-Expanded)
- XXXIII. **Effect of pulsed magnetic field on regenerating rat sciatic nerve: An in-vitro electrophysiologic study**  
GUVEN M., Gunay I., OZGUNEN K. T., ZORLUDEMIR S.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.115, no.6, pp.881-892, 2005 (SCI-Expanded)
- XXXIV. **Conduction blocks of lidocaine on crushed rat sciatic nerve: An in-vitro study**  
GUVEN M., OZGUNEN K. T., Gunay I.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.115, no.5, pp.725-734, 2005 (SCI-Expanded)
- XXXV. **Effects of tramadol on nerve action potentials in rat: Comparisons with benzocaine and lidocaine**  
GUVEN M., Mert T., Gunay I.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.115, no.3, pp.339-349, 2005 (SCI-Expanded)
- XXXVI. **Alterations in conduction characteristics of crushed peripheral nerves**  
Mert T., Gunay I., Polat S.  
RESTORATIVE NEUROLOGY AND NEUROSCIENCE, vol.23, pp.347-354, 2005 (SCI-Expanded)
- XXXVII. **[Effect of tramadol on regeneration after experimental sciatic nerve injury].**  
Gunes Y., MERT T., DAĞLIOĞLU Y. K., OZBEK H. T., GÜNEY I., Ozcengiz D., Isik G.  
Agri : Agri (Algoloji) Dernegi'nin Yayın organidir = The journal of the Turkish Society of Algology, vol.17, pp.33-8, 2005 (SCI-Expanded)
- XXXVIII. **Changes in electrophysiological properties of regenerating rat peripheral nerves after crush injury**  
Mert T., Daglioglu Y. K., Gunay I., Gocmen C.  
NEUROSCIENCE LETTERS, vol.363, no.3, pp.212-217, 2004 (SCI-Expanded)
- XXXIX. **The effects of chronic AC magnetic field on contraction and relaxation of isolated thoracic aorta rings of healthy and diabetic rats**  
OCAL I., Gunay I.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.47, no.5, pp.733-738, 2004 (SCI-Expanded)
- XL. **Role of potassium channels in the frequency-dependent activity of regenerating nerves**  
Mert T., Gunay I., Daglioglu Y. K.  
PHARMACOLOGY, vol.72, no.3, pp.157-166, 2004 (SCI-Expanded)
- XLI. **Differential effects of lidocaine and tramadol on modified nerve impulse by 4-aminopyridine in rats**  
Mert T., Gunes Y., Guven M., Gunay I., Gocmen C.  
PHARMACOLOGY, vol.69, no.2, pp.68-73, 2003 (SCI-Expanded)
- XLII. **Effects of calcium and magnesium on peripheral nerve conduction**  
Mert T., Gunes Y., Guven M., Gunay I., Ozcengiz D.  
POLISH JOURNAL OF PHARMACOLOGY, vol.55, no.1, pp.25-30, 2003 (SCI-Expanded)
- XLIII. **Comparison of nerve conduction blocks by an opioid and a local anesthetic**  
Mert T., Gunes Y., Guven M., Gunay I., Ozcengiz D.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.439, pp.77-81, 2002 (SCI-Expanded)
- XLIV. **Protamin Sülfatın Miyokartta Oluşturduğu Depresif Etkiye Kalsiyum Kanallarının Katkısının Araştırılması:(Deneysel Çalışma)**

- Topçuoğlu M. Ş., İteğin M., Günay İ., Tokcan A., Kısacıkoglu B., Salih O. K., Ulus T.  
 Turk Gogus Kalp Damar Cerrahisi Dergisi-Turkish Journal Of Thoracic And Cardiovascular Surgery, vol.6, pp.117-124, 1998 (SCI-Expanded)
- XLV. Deposition profile of antibacterial anodic silver in root canal systems of teeth**  
 Aydin M., Gunay I., Pelit A., Serin M.  
 JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, vol.38, no.1, pp.49-54, 1997 (SCI-Expanded)
- XLVI. Protamin Sulfatın İzole Sıçan Kalp Papiller Kasının Kontraktıl ve Kontraktür Parametrelere Etkisi**  
 İteğin M., Topçuoğlu M. Ş., Günay İ., Salih O. K.  
 Turk Gogus Kalp Damar Cerrahisi Dergisi-Turkish Journal Of Thoracic And Cardiovascular Surgery, vol.4, pp.91-95, 1996 (SCI-Expanded)
- XLVII. Taksometri ve bakteriyel identifikasiyonda bilgisayar kullanımı**  
 Aydin M., Günay İ., Köksal F., Serin M. S.  
 Mikrobiyoloji Bulteni, vol.30, pp.281-287, 1996 (SCI-Expanded)
- XLVIII. EFFECTS OF STATIC MAGNETIC-FIELD ON SPECIFIC ADENOSINE-5'-TRIPHOSPHATASE ACTIVITIES AND BIOELECTRICAL AND BIOMECHANICAL PROPERTIES IN THE RAT DIAPHRAGM MUSCLE**  
 ITEGIN M., GUNAY I., LOGOGLU G., ISBIR T.  
 BIOELECTROMAGNETICS, vol.16, no.3, pp.147-151, 1995 (SCI-Expanded)
- XLIX. Effects of static magnetic fields on biomechanical responses and histological properties of rat phrenic nerve -hemidiaphragm preparation: Contribution of ketamine to these effects.**  
 İteğin M., GÜNEY İ., Loğoglu G., POLAT S., BİNOKAY U. S., Kaya M.  
 Romanian Journal Of Physics, vol.4, no.1, pp.33-42, 1994 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Hücre İçi Serbest Ca<sup>2+</sup> Konsantrasyon Dinamiğinin Floresans Yöntemler ile İncelenmesi**  
 Çiçek F., Günay İ.  
 Arşiv Kaynak Tarama Dergisi, vol.25, no.3, pp.319-334, 2016 (Peer-Reviewed Journal)
- II. **Effects of horizontal or vertical pulsed magnetic field in diabetic rats**  
 Öcal I., Mert T., Günay İ.  
 Bulgarian journal of public health, vol.7, no.2, pp.184-189, 2015 (Peer-Reviewed Journal)
- III. **Klodronat Periferik Sinirlerde Yaralanma Sonrası Rejenerasyon Sürecini Hızlandırmır mı?**  
 Kahraman İ., Güven M., Dokuyucu R., Sefil F., Günay İ.  
 Cukurova Medical Journal, vol.6, no.21, pp.21-26, 2015 (Peer-Reviewed Journal)
- IV. **Streptozotosin İle Deneysel Diyabet Oluşturulan Sıçanların Soleus Kaslarının Elektrofizyolojik Parametrelere 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)
- V. **Ağrı ilettilmesinde N-Metil D-Aspartat Rezeptörlerinin Rolü**  
 Güneş Kocaoğlu Y., Mert T., Özcengiz D., Günay İ.  
 Cukurova Medical Journal, vol.37, no.1, pp.9-16, 2012 (Peer-Reviewed Journal)
- VI. **An Investigation of Correlation between Electrophysiological and Functional Recovery after the Sciatic Nerve Injury**  
 Güven M., Kahraman İ., Günay İ.  
 CUKUROVA MEDICAL JOURNAL, vol.37, no.4, pp.177-185, 2012 (Peer-Reviewed Journal)
- VII. **Modülasyonlu manyetik alanın deneysel oluşturulan diyabetli sıçanların diafram kasları üzerine olan histolojik değişimeler**  
 Demirkazık A., Mete U. Ö., Emre M., Pelit A., Günay İ.  
 Ç.Ü. Sağlık Bilimleri Dergisi, vol.21, no.1, pp.27-35, 2006 (Peer-Reviewed Journal)
- VIII. **Periferik sinir yaralanmalarında aksiyon potansiyeli iletimi ve Na<sup>+</sup> kanalları**  
 GÜVEN M., Günay İ.

- Cukurova Üniversitesi Arşiv dergisi, no.14, pp.322-334, 2005 (Peer-Reviewed Journal)
- IX. **Değişken manyetik alanın sıçan diyafram kasının biyomekanik parametrelerine etkisi**  
Demirkazık A., Pelit A., Günay İ.  
Ç.Ü. Sağlık Bil. Derg., vol.17, no.2, pp.17-23, 2003 (Peer-Reviewed Journal)
- X. **Ag/AgCl Elektrotlar ve Düşük Maliyetli Bir Klorlama Sistemi**  
GÜVEN M., Mert T., Günay İ.  
Cukurova Üniversitesi Sağlık Bilimleri Dergisi, no.17, pp.1-6, 2002 (Peer-Reviewed Journal)
- XI. **Periferik sinirlerde voltaj-bağımlı sodyum ve potasyum kanalları**  
Mert T., Günay İ.  
Arşiv, vol.11, pp.272-287, 2002 (Peer-Reviewed Journal)
- XII. **Mn<sup>2+</sup>, Se<sup>2+</sup>, Zn<sup>2+</sup> ve Cd<sup>2+</sup> un sıçan hemidiyafram kasının biyoelektrik parametrelerine etkileri**  
İteğin M., Öcal I., Günay İ.  
Cukurova Medical Journal, vol.26, no.3, pp.111-115, 2001 (Peer-Reviewed Journal)
- XIII. **Blocking action of tramadol on nerve conduction**  
Mert T., Güneş Kocaoğlu Y., Güven M., Günay İ., Özcengiz D.  
The internet journal of pharmacology, vol.2, no.1, pp.1-7, 2001 (Peer-Reviewed Journal)
- XIV. **Prokain ve lidokainin frekansa bağlı iletim blokajlarının karşılaştırılması**  
Mert T., Günay İ.  
Ç. Ü. Sağlık Bil. Derg., vol.14, no.1, pp.7-12, 1999 (Peer-Reviewed Journal)
- XV. **Kurbağa sartorius ve sıçan diyafram kaslarının dinamik özellikleri**  
Günay İ., Öcal I.  
Ç. Ü. Sağlık Bil. Derg., vol.14, no.1, pp.19-23, 1999 (Peer-Reviewed Journal)
- XVI. **Biyolojik sinyallerin bilgisayar ile kayıtlanmaları ve analizleri**  
Pelit A., Günay İ.  
Cukurova Medical Journal, vol.24, pp.17-26, 1999 (Peer-Reviewed Journal)
- XVII. **Electromechanical effects of protamine and verapamil in rat thoracic annals**  
Topçuoğlu M. Ş., İteğin M., Loğoglu G., Günay İ., Tokcan A., Ulus T.  
Asian cardiovascular and thoracic annals, vol.7, no.2, pp.106-110, 1999 (Scopus)
- XVIII. **İzole kalp papiller kasında bupivakain ile verapamilin kasılma kuvvetleri üzerine olan etkileri**  
Özbek H. T., İteğin M., Özcengiz D., Balcioğlu O., Günay İ., Işık G.  
Anestezi Dergisi, vol.6, no.1, pp.38-41, 1998 (Scopus)
- XIX. **Silver anode-induced phototypical changes in bacteria**  
Aydın M., Serin M. S., Pelit A., Günay İ.  
Annals of Medical Sciences, vol.6, no.2, pp.83-87, 1996 (Peer-Reviewed Journal)
- XX. **The effects of antibacterial silver electrodes and the nature of ion emission in the outer side of inhibition zone.**  
Aydın M., Köksal F., Günay İ., Serin M. S., Polat S.  
Annals of Medical Sciences, vol.5, no.2, pp.52-57, 1996 (Scopus)
- XXI. **Ketaminin sinir-kas preparatlarında mekanogram üzerine etkilerinin ca+2 ATPaz ile ilişkisi**  
Özcengiz D., Günay İ., İteğin M., Özbek H. T., Oral U.  
Türk Anest Rean Cem Mecmuası, vol.23, pp.367-370, 1995 (Peer-Reviewed Journal)
- XXII. **The repaire of abdominal wall defects with single-layer and double-layer absorbable, nonabsorbable mesh**  
Demiryürek H., Gürbüz K., Yağmur Ö., Alparslan A., Camci C., Ersöz C., Günay İ.  
Annals of medical sciences, vol.4, no.1, pp.19-24, 1995 (Peer-Reviewed Journal)
- XXIII. **Influence of strong static magnetic field on bioelectrical characteristics of rat hemidiaphragm muscle**  
İteğin M., Günay İ.  
Medical Journal of Islamic world academy of sciences, vol.5, no.4, pp.294-299, 1992 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Temel Biyofizik Cilt-I: Biyomekanik**  
GÜNAY İ.  
Nobel Yayın Dağıtım, Adana, 2013

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

- I. **The Identification of Intracellular Signalling Pathway Through DHMGB1/TLR2 Axis on Myocardial Ischemia/Reperfusion Injury-Induced Apoptosis**  
TAŞKIN GÜVEN E., GÜVEN C., KAYA S. T., İKİNCİ KELEŞ A., DESTEGÜL D., PELİT A., GÜNAY İ.  
32. Ulusal Biyofizik Kongresi, 17-19 Kasım 2021, Turkey, 17 - 19 October 2021
- II. **BK channels and ROS on membran potential of skeletal muscle**  
COŞKUN Ç., ÇİÇEK F., BÜYÜKNACAR H. S., GÜNAY İ.  
International Congress on Biological and Medical Sciences 2018, Niğde, Turkey, pp.83
- III. **PMF Regulate Fibrocartilage Activity in Microfractures**  
Çiçek H., Baldan İ., Tuhanioğlu Ü., Oğur H. U., GÜNAY İ., ÇİÇEK F.  
International Congress on Biological and Medical Sciences 2018, Niğde, Turkey, pp.18
- IV. **The Regulatory Role of Pulsed Magnetic Field on Transcriptional Levels of Voltage-Gated Sodium Channels in The Treatment of Neuropathic Pain**  
COŞKUN Ç., ÖCAL I., GÜNAY İ.  
31th. National Biophysics Congress, Turkey, 9 - 12 October 2019
- V. **Evaluation of how low-frequency magnetic field effect on contraction parameters andproteins in uterus muscle in pregnancy rats.**  
ÖCAL I., TAŞTEKİN B., ÇOBAN F., YILMAZ M. B., ÖKSÜZ H., GÜNAY İ.  
3rd International Congress on Advances in Bioscience and Biotechnology (ICABB), KİEV, Ukraine, 10 - 14 July 2019
- VI. **The Role of Calcium Ions on Uterus Muscle of Exposed to Pulsed Magnetic Field Pregnants Rats**  
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- XV. **The Effects of Pterostilbene and Resveratrol on The Biomechanic,Biochemical and Histological Parameters in Streptozotocin-Induced Diabetic Rats Gastrocnemius Muscle**  
TAŞTEKİN B., PELİT A., GÜNEY İ., POLAT S., TULİ A., SENCAR GÜNDÖĞDU L., COŞKUN G., ALPARSLAN M. M., DAĞLIOĞLU Y. K.  
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Citation (Scopus): 594

H-Index (WoS): 14

H-Index (Scopus): 13