

Prof. NAZMİ EKREN

Personal Information

Office Phone: [+90 216 777 3846](tel:+902167773846)

Email: nazmiekren@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/nazmiekren>

Address: Marmara Üniversitesi Teknoloji Fakültesi Recep Tayyip Erdoğan Külliyesi Maltepe Yerleşkesi Elektrik-Elektronik Mühendisliği Bölümü T4 Binası Aydınevler Mah. İdealtepe Yolu No:15 34854 Maltepe/İstanbul

International Researcher IDs

ScholarID: KCYkGjMAAAAJ

ORCID: 0000-0003-3530-9262

Publons / Web Of Science ResearcherID: AAA-3546-2019

ScopusID: 24338101800

Yoksis Researcher ID: 173609

Biography

1966 yılında İstanbul da doğdu. 1983 yılında, Yıldız Üniversitesi Elektrik Mühendisliğinden mezun oldu. 1992 Marmara Üniversitesinde yüksek lisansını tamamladı. 1996 yılında İstanbul Üniversitesinde doktora eğitimini tamamladı. Bir süre özel sektörde elektrik mühendisi olarak çalıştıktan sonra Marmara Üniversitesinde Arş.Gör oldu. 1997 yılında Yrd.Doç.Dr. olarak Teknik Eğitim Fakültesinde çalıştı. Daha sonra Teknoloji Fakültesine geçti.

Education Information

Doctorate, Istanbul University, Ekonometri (Dr), Turkey 1992 - 1996

Postgraduate, Marmara University, Turkey 1987 - 1989

Undergraduate, Yildiz Technical University, Elektrik Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Türkiye'de imalat sanayinde elektrik enerjisi tüketiminin ekonometrik ve mühendislik analizi, Istanbul University, Ekonometri (Dr), 1996

Postgraduate, Türkiye'de 1980 Sonrasında Yabancı Sermaye Yatırımlarının Teknolojiye ve İstihdama Etkileri: Elektrikli Makina-Elektronik Sanayii ile İlgili Bir İnceleme, Marmara Üniversitesi, Institute of Social Sciences, Çalışma Ekonomisi Ve Endüstri İlişkileri (YI) (Tezli), 1989

Research Areas

Energy, Lighting Technology, Renewable energy, Biomaterials, Nanomaterials

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2011 - 2020

Assistant Professor, Marmara University, Faculty of Technical Education, Electric Education, 1996 - 2011

Academic and Administrative Experience

Applied Research Center Board Member, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2023 - Continues

Birim Stratejik Plan Komisyonu Üyesi, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2019 - Continues

Scientific Award Committee Member, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2019 - Continues

Head of Department, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2019 - Continues

University Academic Incentive Evaluation Commission Member, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2019 - Continues

Rektörlük 58/k Komisyonu Üyesi, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2018 - Continues

Bölüm Mali Kaynaklar Geliştirme Komisyonu Başkanı, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2018 - Continues

coordinator, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2018 - Continues

Marmara University, Nanoteknoloji Ve Biyomalzemeler Uygulama Ve Araştırma Merkezi, 2018 - Continues

Coordinator of The Rectorate, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2018 - Continues

Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2011 - 2019

Bölüm Ders Programları Komisyonu, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2014 - 2018

Bölüm Müfredat Komisyon Başkanlığı, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2014 - 2018

Deputy Head of Department, Marmara University, Faculty of Technology, Elektrik Ve Elektronik Mühendisliği Bölümü, 2011 - 2018

Bapko İhale Komisyonu Üyesi, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2017 - 2017

Deputy Director of the Center, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2008 - 2016

BAPKO Muayene ve Kabul Komisyonu, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2015 - 2015

UZEM Muayene ve Kabul Komisyonu, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2015 - 2015

Marmara University, Faculty of Technology, Elektrik Ve Elektronik Mühendisliği Bölümü, 2011 - 2011

Fakülte Kurulu Üyesi, Marmara University, Faculty of Technical Education, Electric Education, 2008 - 2009

Head of Department, Marmara University, Faculty of Technical Education, Electric Education, 2008 - 2009

Courses

Postgraduate

Smart Building Systems, Postgraduate, 2024 - 2025, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
İç Aydınlatma Hesapları, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Sanal Aydınlatma Tekniği, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Aydınlatmada Enerji Verimliliği, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Enerji İletim Sistemler, Postgraduate, 2021 - 2022
Akıllı Bina Sistemleri, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Aydınlatmada Enerji Verimliliği, Postgraduate, 2013 - 2014
Akıllı Bina Sistemleri, Postgraduate, 2013 - 2014
Aydınlatma Tekniğinde Enerji Tasarrufu Yöntemleri, Postgraduate, 2012 - 2013

Undergraduate

Devre Teorisi II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Bitirme Projesi II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2016 - 2017
Devre Teorisi I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Bitirme Projesi, Undergraduate, 2018 - 2019
Elektrik Ekonomisi, Undergraduate, 2018 - 2019
Devre Teorisi II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Mühendislik Ekonomisi, Undergraduate, 2018 - 2019
Elektrik Tesislerinde Topraklama, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Devre Analizinin Temelleri, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013
Devre Teorisi I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Devre Analizinin Temelleri, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013
Elektrik Tesislerinde Koruma ve Topraklama, Undergraduate, 2017 - 2018, 2016 - 2017
Elektrik Tesislerinde Topraklama, Undergraduate, 2018 - 2019, 2015 - 2016, 2012 - 2013
Elektrik Tesislerinde Koruma ve Topraklama, Undergraduate, 2017 - 2018, 2016 - 2017
Aydınlatma Tekniği ve Projesi, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Aydınlatma Tesislerinde Scada Uygulama ve Otomasyonu, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Aydınlatma Tesislerinde Scada Uygulama ve Otomasyonu, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Devre Teorisi II, Undergraduate, 2016 - 2017, 2015 - 2016
İş Yeri Eğitimi, Undergraduate, 2016 - 2017
Devre Teorisi II, Undergraduate, 2015 - 2016
Aydınlatma Tekniği ve Projesi, Undergraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013
Aydınlatma ve İç Tesisat, Undergraduate, 2016 - 2017
Aydınlatma ve İç Tesisat , Undergraduate, 2016 - 2017
Aydınlatma Tekniği ve Projesi, Undergraduate, 2014 - 2015, 2013 - 2014
Test ve Ölçme Teknikleri, Undergraduate, 2013 - 2014
Elektrik-Elektronik Mühendisliğine Giriş, Undergraduate, 2013 - 2014
Elektroteknik, Undergraduate, 2012 - 2013
Elektrik ve Elektronikğin Temelleri, Undergraduate, 2012 - 2013

Associate Degree

Elektrik İç Tesisler Projeleri, Associate Degree, 2013 - 2014
Güç Elektroniği, Associate Degree, 2014 - 2015
Güç Elektroniği, Associate Degree, 2014 - 2015

Supervised Theses

- Ekren N., ELEKTROEĞİRME YÖNTEMİYLE FOTOVOLTAİK PANELLERDE VERİM ARTIRICI KAPLAMALAR, Postgraduate, M.YILMAZ(Student), 2024
- Ekren N., EOG sinyal tabanlı imleç sistemi tasarımı ve uygulaması, Postgraduate, A.SKHETA(Student), 2022
- Ekren N., Sağlam Ş., Fotovoltaik panellerde verim artırıcı nano yapıli kaplamalar, Doctorate, A.SAMET(Student), 2022
- Ekren N., Akıllı binalarda web teknolojilerinin kullanımı, Postgraduate, M.ŞENSOY(Student), 2022
- Ekren N., WiFi haberleşmeli DALI uyumlu akıllı LED sürücü kontrol cihazı, Postgraduate, B.SÖĞÜT(Student), 2022
- Ekren N., İnsan odaklı aydınlatmanın farklı ortamlar için incelenmesi, insan üzerindeki fizyolojik ve psikolojik etkilerinin araştırılması, Postgraduate, Ö.MEMİŞ(Student), 2019
- GÜNDÜZ O., EKREN N., Hekzagonal bor nitrür katkılı üç boyutlu polimerik iskelelerin kemik doku mühendisliđi amacıyla üretim ve karakterizasyonu, Postgraduate, D.Aki(Student), 2019
- GÜNDÜZ O., EKREN N., Elektroeğirme yöntemi ile biyoyoumlu yara örtüsünün üretilmesi ve karakterizasyonu, Postgraduate, S.Su(Student), 2019
- Ekren N., BUZDOLAPLARINDA KULLANILAN ELEKTROMEKANİK KOMPONENTLERİN OTOMATİK ARIZA TESPİTİ VE VERİMLİLİK ANALİZİ, Postgraduate, S.BOYACI(Student), 2019
- EKREN N., Biyomedikal uygulamaları için taşınabilir elektroeğirme sprey tabancasının tasarımı, üretimi ve performansı, Postgraduate, C.Eda(Student), 2019
- Ekren N., NEGATİF İYON JENERATÖRLERİNİN ÜRETTİĞİ NEGATİF İYONLARIN VOLTAJ, HAVA HIZI DEĞİŞİMİ VE ORTAM SICAKLIĞINA BAĞLI OLARAK ETKİ ALANLARININ ARAŞTIRILMASI VE TAGUCHİ METODU İLE OPTİMİZASYON ANALİZİ, Postgraduate, B.RECEP(Student), 2019
- Ekren N., Yüksek hassasiyette sıcaklık kontrolü ve rubidyum atomik gazı küveti sıcaklık kararlılığının lazer frekans kararlılığına etkisinin araştırılması, Postgraduate, Y.DENİZ(Student), 2019
- Ekren N., Akıllı Şebekelerin Mikro Güneş Santralleri ile Entegrasyonu, Postgraduate, E.EKŞİ(Student), 2019
- EKREN N., BUZDOLAPLARINDA KULLANILAN ELEKTROMEKANİK KOMPONENTLERİN OTOMATİK ARIZA TESPİTİ VE VERİMLİLİK ANALİZİ, Postgraduate, S.BOYACI(Student), 2018
- EKREN N., 3 boyutlu biyoyazıcı yöntemi ile doku iskeleti üretimi ve karakterizasyonu, Postgraduate, E.ALTUN(Student), 2018
- EKREN N., Mesleki teknik eğitim için internet üzerinden gerçek zamanlı aydınlatma laboratuvarı tasarımı, Doctorate, Z.POLAT(Student), 2018
- EKREN N., Elektroeğirme (electrospinning) makinası tasarımı ve kontrolü, Postgraduate, M.GÜLMEZ(Student), 2013
- EKREN N., Esnek yüzeylerdeki baskı devrelere yarı iletken uygulamaları, Postgraduate, A.SAMET(Student), 2013
- EKREN N., Binalarda enerji verimliliğinin analizi, Postgraduate, E.ÇETİNKAYA(Student), 2012
- EKREN N., Işık borusuyla aydınlatılan odanın şebeke destekli yapay aydınlatma ile kontrolü ve görüntülenmesi, Doctorate, S.GÖRGÜLÜ(Student), 2011
- EKREN N., Afet anlarında helikopter pistlerinin bilgisayar kontrolü ile aydınlatılması, Postgraduate, E.DURMAZ(Student), 2010
- EKREN N., Güç sistemlerinde ferrozonans olayının spektral ve dalgacık analizi yöntemleriyle belirlenmesi, Doctorate, T.ÇETİN(Student), 2009
- EKREN N., İç hacimlerde aydınlık düzeyi dağılımının bulunması ve sonlu elemanlar yöntemi ile incelenmesi, Doctorate, S.KOCABEY(Student), 2008
- EKREN N., Elektrikli ev aletlerinde CE uyumluluđu ve bir uygulama, Postgraduate, E.AYKUT(Student), 2007
- EKREN N., Uzman sistem destekli gözetimli denetim ve veri toplama sistemi ile dış aydınlatmanın kontrolü, Doctorate, S.ATİŞ(Student), 2007
- EKREN N., Şebeke bağlantılı fotovoltaik aydınlatma sisteminin bulanık mantık ile kontrolü, Doctorate, Ş.SAĞLAM(Student), 2006
- EKREN N., Hastane aydınlatma ve güvenlik sisteminin incelenmesi, Postgraduate, Z.POLAT(Student), 2005
- EKREN N., Dahili ortamlarda aydınlatma hesaplama tekniklerinin analizi ve bir uygulama örneđi, Postgraduate, B.DURSUN(Student), 2005
- EKREN N., Elektrik enerjisi tasarrufu açısından ışık borularının incelenmesi, Postgraduate, S.GÖRGÜLÜ(Student), 2004
- EKREN N., Sonlu farklar yöntemiyle aydınlatma hesabının analizi, Postgraduate, H.DOĞAN(Student), 2004

EKREN N., Fabrika otomasyonunda elektrik sistemlerinin Scada ile kullanımına ait örnek eğitim programı ve uygulaması, Postgraduate, U.Cura(Student), 2003

EKREN N., Ergonomik açıdan çalışma ortamlarında uygun armatür sistemleri ve lamba seçimi analizi, Postgraduate, C.GÜLER(Student), 2001

EKREN N., Türkiye'nin güneş enerjisi potansiyelinin ve kullanım alanlarının incelenmesi, Postgraduate, Ş.SAĞLAM(Student), 2000

EKREN N., Tünel aydınlatma sistemlerinde enerji tasarrufu ve aydınlatma teknolojisi, Postgraduate, R.METE(Student), 2000

EKREN N., Dahili ortamlarda aydınlık seviyesinin kontrolü ve enerji tasarrufunun sağlanması, Postgraduate, S.KOCABEY(Student), 1999

Jury Memberships

Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2023

Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2023

Post Graduate, Post Graduate, Marmara Üniversitesi, October, 2022

Doctorate, Doctorate, İstanbul Sabahattin Zaim Üniversitesi, August, 2022

Doctorate, Doctorate, İstanbul Sabahattin Zaim Üniversitesi, August, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Marmara Üniversitesi, July, 2022

Post Graduate, Post Graduate, Marmara Üniversitesi, June, 2022

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2021

Post Graduate, Post Graduate, Marmara Üniversitesi, August, 2021

Post Graduate, Post Graduate, Marmara Üniversitesi, March, 2021

Doctorate, Doctorate, Marmara Üniversitesi, July, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, December, 2017

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, December, 2017

Post Graduate, Post Graduate, Marmara Üniversitesi, September, 2017

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, September, 2016

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, September, 2016

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2016

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2016

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, January, 2016

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, August, 2014

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, August, 2014

Academic Staff Examination, Academic Staff Examination, Marmara Üniversitesi, December, 2013

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, August, 2013

Academic Staff Examination, Academic Staff Examination, Marmara Üniversitesi, August, 2013

Post Graduate, Post Graduate, Marmara Üniversitesi, July, 2010

Post Graduate, Post Graduate, Marmara Üniversitesi, July, 2010

Post Graduate, Post Graduate, Marmara Üniversitesi, July, 2008

Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2008

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2007

Post Graduate, Post Graduate, Marmara Üniversitesi, June, 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- A Review of Line Suspended Inspection Robots for Power Transmission Lines**
EKREN N., Karagöz Z., Şahin M.

Journal of Electrical Engineering and Technology, vol.19, no.4, pp.2549-2583, 2024 (SCI-Expanded)

- II. **Marine-derived bioceramics for orthopedic, reconstructive and dental surgery applications**
OKTAR F. N., Unal S., GÜNDÜZ O., Ben Nissan B., Macha I. J., Akyol S., Duta L., EKREN N., ALTAN E., YETMEZ M.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.59, no.1, pp.57-81, 2023 (SCI-Expanded)
- III. **A Hydrophobic Antireflective and Antidust Coating With SiO_2 and TiO_2 Nanoparticles Using a New 3-D Printing Method for Photovoltaic Panels**
Ekren N., Sarkin A. S., Sağlam Ş.
IEEE JOURNAL OF PHOTOVOLTAICS, vol.12, no.4, pp.1014-1026, 2022 (SCI-Expanded)
- IV. **MANUFACTURING OF A PORTABLE ELECTROSPINNING GUN FOR BIOMEDICAL APPLICATIONS**
EKREN N., Karacan C. E.
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol.52, no.3, pp.213-219, 2022 (SCI-Expanded)
- V. **Investigation of 3D-Printed Polycaprolactone-/Polyvinylpyrrolidone-Based Constructs**
Izgordu M. S., Uzgur E. I., Ulag S., Şahin A., Yilmaz B., Kilic B., Ekren N., Oktar F. N., Gündüz O.
CARTILAGE, vol.13, no.2_SUPPL, 2021 (SCI-Expanded)
- VI. **Levodopa-Loaded 3D-Printed Poly (Lactic) Acid/Chitosan Neural Tissue Scaffold as a Promising Drug Delivery System for the Treatment of Parkinson's Disease**
Saylam E., Akkaya Y., İlhan E., Cesur S., Guler E., ŞAHİN A., Cam M. E., EKREN N., OKTAR F. N., GÜNDÜZ O., et al.
APPLIED SCIENCES-BASEL, vol.11, no.22, 2021 (SCI-Expanded)
- VII. **Recent developments and characterization techniques in 3D printing of corneal stroma tissue**
Ulag S., Uysal E., Bedir T., ŞENGÖR M., EKREN N., ÜSTÜNDAĞ C. B., Midha S., Kalaskar D. M., GÜNDÜZ O.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.8, pp.3287-3296, 2021 (SCI-Expanded)
- VIII. **Kinetic Release Studies of Antibiotic Patches for Local Transdermal Delivery**
Altun E., Yuca E., Ekren N., Kalaskar D. M., Fıcaı D., Dolete G., Fıcaı A., GÜNDÜZ O.
PHARMACEUTICS, vol.13, no.5, 2021 (SCI-Expanded)
- IX. **Design and fabrication of electrospun polycaprolactone/chitosan scaffolds for ligament regeneration**
Saatcioglu E., Ulag S., Şahin A., Yilmaz B., Ekren N., İnan A. T., Palacı Y., Üstündağ C. B., Gündüz O.
EUROPEAN POLYMER JOURNAL, vol.148, 2021 (SCI-Expanded)
- X. **Fabrication of tissue-engineered tympanic membrane patches using 3D-Printing technology**
İlhan E., Ulag S., Sahin A., Yilmaz B., Ekren N., Kılıç O., Şengör M., Kalaskar D. M., Oktar F. N., Gündüz O.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.114, 2021 (SCI-Expanded)
- XI. **Fabrication of three-dimensional PCL/BiFeO₃ scaffolds for biomedical applications**
Ulag S., Kalkandelen C., Bedir T., Erdemir G., Kuruca S. E., Dumludag F., Ustundag C. B., Rayaman E., Ekren N., Kilic B., et al.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.261, 2020 (SCI-Expanded)
- XII. **3D printing of PVA/hexagonal boron nitride/bacterial cellulose composite scaffolds for bone tissue engineering**
Aki D., Ulag S., ÜNAL S., ŞENGÖR M., EKREN N., Lin C., YILMAZER H., ÜSTÜNDAĞ C. B., Kalaskar D. M., GÜNDÜZ O.
MATERIALS & DESIGN, vol.196, 2020 (SCI-Expanded)
- XIII. **Production and characterization of elastomeric cardiac tissue-like patches for Myocardial Tissue Engineering**
Cesur S., Ulag S., Ozak L., Gumussoy A., Arslan S., Yilmaz B. K., Ekren N., Agirbasli M., Kalaskar D. M., Gündüz O.
POLYMER TESTING, vol.90, 2020 (SCI-Expanded)
- XIV. **3D Printed Polycaprolactone/Gelatin/Bacterial Cellulose/Hydroxyapatite Composite Scaffold for Bone Tissue Engineering**
Cakmak A., Unal S., Sahin A., Oktar F. N., Sengor M., Ekren N., Gunduz O., Kalaskar D.
POLYMERS, vol.12, no.9, 2020 (SCI-Expanded)
- XV. **Remote laboratory trends for Distance Vocational Education and Training (D-VET): A real-time lighting application**

Polat Z., Ekren N.

INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, 2020 (SCI-Expanded)

- XVI. **3D printed artificial cornea for corneal stromal transplantation**
Ulag S., Ilhan E., Şahin A., Karademir Yılmaz B., Kalaskar D. M., Ekren N., Kılıç O., Nuzhet Oktar F. N., Gündüz O.
EUROPEAN POLYMER JOURNAL, vol.133, 2020 (SCI-Expanded)
- XVII. **Preparation and characterization of electrospun polylactic acid/sodium alginate/orange oyster shell composite nanofiber for biomedical application**
Cesur S., Oktar F. N., Ekren N., Kılıç O., Bilgiç Alkaya D., Ayaz Seyhan S., Ege Z. R., Lin C., Erdem Kuruca S., Erdemir G., et al.
Journal of the Australian Ceramic Society, vol.56, no.2, pp.533-543, 2020 (SCI-Expanded)
- XVIII. **A review of anti-reflection and self-cleaning coatings on photovoltaic panels**
Sarkın A. S., EKREN N., SAĞLAM Ş.
Solar Energy, vol.199, pp.63-73, 2020 (SCI-Expanded)
- XIX. **Synthesis and characterization of antibacterial drug loaded β -tricalcium phosphate powders for bone engineering applications**
Topsakal A., Ekren N., Kilic O., Oktar F. N., Mahirogullari M., Ozkan O., Sasmazel H. T., Turk M., Bogdan I. M., Stan G. E., et al.
Journal of Materials Science: Materials in Medicine, vol.31, no.2, 2020 (SCI-Expanded)
- XX. **3D printing of chitosan/ poly(vinyl alcohol) hydrogel containing synthesized hydroxyapatite scaffolds for hard-tissue engineering**
Ergul N. M., Ünal S., Kartal İ., Kalkandelen C., Ekren N., Kılıç O., Chi-Chang L., Gündüz O.
Polymer Testing, vol.79, 2019 (SCI-Expanded)
- XXI. **3D bio-printing of levan/polycaprolactone/gelatin blends for bone tissue engineering: Characterization of the cellular behavior**
Duymaz B. T., Erdiler F. B., Alan T., Aydogdu M. O., İnan A. T., Ekren N., Uzun M., Sahin Y. M., Bulus E., Oktar F. N., et al.
European Polymer Journal, vol.119, pp.426-437, 2019 (SCI-Expanded)
- XXII. **Developments of 3D polycaprolactone/beta-tricalcium phosphate/collagen scaffolds for hard tissue engineering**
aydoğdu M. O., MUTLU B., Kurt M., İNAN A. T., KURUCA D. S., Erdemir G., ŞAHİN Y. M., EKREN N., OKTAR F. N., GÜNDÜZ O.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.55, no.3, pp.849-855, 2019 (SCI-Expanded)
- XXIII. **Encapsulated melatonin in polycaprolactone (PCL) microparticles as a promising graft material**
Gurler E. B., Ergul N. M., Ozbek B., Ekren N., Oktar F. N., Haskoylu M. E., Oner E., Eroğlu M. S., Özbeyli D., Korkut V., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.100, pp.798-808, 2019 (SCI-Expanded)
- XXIV. **Bioinspired scaffold induced regeneration of neural tissue**
Altun E., Aydogdu M. O., Togay S. O., Sengil A. Z., Ekren N., Haskoylu M. E., Öner E., Altuncu N. A., Ozturk G., Crabbe-Mann M., et al.
EUROPEAN POLYMER JOURNAL, vol.114, pp.98-108, 2019 (SCI-Expanded)
- XXV. **Preparation and characterization of electrospun polylactic acid/sodium alginate/orange oyster shell composite nanofiber for biomedical application**
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YA/EM'xx96 Yöneyem araştırması ve Endüstri Mühendisliği XVIII.Ulusal Kongresi, İstanbul, Turkey, 23 - 25 October 1996

CII. Türkiye Elektrik Enerjisi Talep Tahmini Regrasyon Modeli Yaklaşımı

GÜNEY K. R. İ., EKREN N., KAKİLLİ A.

Araştırma Sempozyumu 91, Turkey, 25 - 27 November 1991

CIII. Türkiye Ekonomisinde Enerji Etkinliği Probleminin Input-Output Yaklaşımına Dayalı Analizi

GÜNEY K. R. İ., EKREN N., AKÜNER M. C.

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CIV. Elektrik Enerjinin Tüketiminin Optimal Yönden Analizi

GÜNEY K. R. İ., EKREN N.

Yönetim Araştırması ve Endüstri Mühendisliği Bildiriler 91, Turkey, 17 - 19 June 1991

Supported Projects

Ekren N., KOSGEB, Yara ve Yanık Tedavisinde Kullanılan Taşınabilir Elektrospinning Cihazı, 2023 - 2024

Ekren N., Ulağ S., Gündüz O., Other International Funding Programs, Connect4Innovation: UK-Turkey Higher Education Institutional Partnerships Fund2022-2024, 2022 - 2024

Çalkoğlu Koyuncu A. C., Gündüz O., Ekren N., Ulağ S., Gündüz S., Erasmus Project, Creating a virtual laboratory for online teaching, 2021 - 2023

Çam M. E., Gündüz O., Üstündağ C. B., Tımaz G., Şengör M., Ekren N., Bingöl Özakpınar Ö., Akkaya Turhan S., Yazır Y., Fırlalı N., TÜBİTAK International Bilateral Joint Cooperation Program Project, Design and fabrication of the multilayer patches for the treatment of corneal perforations secondary due to corneal infections, 2020 - 2022

Bakır B., Gündüz O., İnan A. T., Ekren N., Oktar F. N., TÜBİTAK Project, Üç Boyutlu Biyo Yazıcı Teknolojisi İle Yenilikçi Biyomedikal Uygulamaları Eğitimi, 2020 - 2021

Ekren N., Gündüz O., Kılıç O., Korkmaz H., Başpınar U., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Biyomedikal Görüntüleme ve Tanı Laboratuvarı, 2016 - 2019

Ekren N., Project Supported by Other Official Institutions, VERİ TABANLI KONTROL VE GÖZETLEME SİSTEMİ, 2003 - 2006

Ekren N., Project Supported by Other Official Institutions, 3 Eksenli Robot Kolu ile Planlı Bir Hareketi Olmayan Nesnenin Görüntü İşleme Tekniği ve Takibi, 2005 - 2005

Ekren N., Project Supported by Higher Education Institutions, Şebeke Bağlantılı Fotovoltaik Aydınlatma Sisteminin Bulanık Mantık ile Kontrolü, 2002 - 2004

Patent

Ekren N., Sağlam Ş., Sarkın A. S., Fotovoltaik Panellerde verim artırıcı nano yapılı kaplamalar, Patent, CHAPTER H Electricity, The Invention Registration Number: US 2020/0061247 A1 , Standard Registration, 2020

Gündüz O., EKREN N., A biomimetic artificial blood vessel and a production method thereof, Patent, CHAPTER A Human Needs, The Invention Registration Number: US20200061247A1 , 2020

Ekren N., AN ARTIFICIAL BIOMIMETIC BORDER TISSUE SCAFFOLDING AND PRODUCTION METHOD, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2016 15825 A1 , Standard Registration, 2019

Activities in Scientific Journals

AJIT-e: Academic Journal of Information Technology, Committee Member, 2022 - Continues

Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, Publication Committee Member, 2008 - 2016

Memberships / Tasks in Scientific Organizations

Elektrik Mühendisleri Odası, Member, 1989 - Continues

Peer Reviews in Scientific Publications

ENERGY TECHNOLOGY, Journal Indexed in SCI-E, January 2023

SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, SCI Journal, February 2022

Journal of Science: Advanced Materials and Devices, SCI Journal, June 2021

Bioactive Materials, SCI Journal, June 2021

EUROPEAN POLYMER JOURNAL, SCI Journal, January 2021

SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, SCI Journal, November 2020

7th International Istanbul Smart Grid and Cities Congress and Fair, Conference Paper (Full Text), April 2019

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6th International Istanbul Smart Grid and Cities Congress and Fair, Conference Paper (Full Text), April 2018

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Scientific Project Refereeing

Technopark, September 2023

Technopark, September 2023

Technopark, July 2023

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TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, April 2022

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Technopark, October 2019

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TUBITAK Project, 1501 - Industry R & D Projects Support Program, February 2010
TUBITAK Project, 1501 - Industry R & D Projects Support Program, November 2009
TUBITAK Project, 1501 - Industry R & D Projects Support Program, August 2008

Tasks In Event Organizations

Ekren N., Conference on Innovations and Applications in Intelligent Systems 2020, Scientific Congress, İstanbul, Turkey, Ekim 2020
Ekren N., Üniversite Öğrencileri araştırma Proje Yarışması; İstanbul Asya, Social Activities, İstanbul, Turkey, Haziran 2019
Ekren N., 13. TÜBİTAK Ortaokul Öğrencileri Araştırma Projeleri Yarışması; İstanbul Asya Bölgesi, Social Activities, İstanbul, Turkey, Mart 2019
Ekren N., Tübitak 50. Lise Öğrencileri Yarışması; İstanbul Asya Bölgesi, Social Activities, İstanbul, Turkey, Şubat 2019
Ekren N., 1. , Scientific Congress, Turkey, Şubat 2008

Scientific Research / Working Group Memberships

Nanoteknoloji, Marmara University, Turkey, <https://nanolabmarmara.com/tr/calisma-grubumuz.html>, 2008 - Continues

Metrics

Publication: 209
Citation (WoS): 997
Citation (Scopus): 1921
H-Index (WoS): 17
H-Index (Scopus): 24

Congress and Symposium Activities

2. International Conference on Frontiers of Composite Materials, Working Group, Melbourne, Australia, 2017
29. Bioceramics, Working Group, Toulouse, France, 2017
28. Bioceramics, Working Group, North-Carolina, United States Of America, 2016

27. Biocreamics, Working Group, Denpasar, Indonesia, 2015

Awards

Ekren N., Altun E., Gündüz O., Şengil A. Z., Togay S., an artificial biomimetic nerve tissue scaffold and production methos, Ofeed, December 2020

Ekren N., Gündüz O., İnan A. T., Oktar F. N., Çakmak S., Aydoğdu O., Altun E., YAPAY BİR BİYOMİMETİK SİNİR DOKU İSKELESİ VE ÜRETİM YÖNTEMİ Patent Gümüş ödülü, Isıf 2020 İstanbul Uluslararası Buluş Fuarı, January 2020

Ekren N., Gündüz O., Best Presentation Award, 3Rd International Conference On Smart Material Research (Icsmr 2017), November 2017

Ekren N., Gündüz O., Şahin Y. M., Yücel S., Kazan D., Oktar F. N., Best Presentation Award, 19Th International Conference On Food Nanotechnology, August 2017

Non Academic Experience

Trafo Bakım San. ve Tic Ltd.Şti., Elektrik Mühendisi