

Res. Asst. AHMET ENGİN PAZARÇEVİREN

Personal Information

Email: paengin@metu.edu.tr

Web: <https://avesis.metu.edu.tr/paengin>

Address: Üniversiteler Mah. Dumlupınar Blv. No:1 ODTÜ Mühendislik Bilimleri Bölümü Kat 9, Oda 905, Çankaya/ANKARA.

International Researcher IDs

ScholarID: F_tASfsAAAAJ

ORCID: 0000-0001-5233-860X

Publons / Web Of Science ResearcherID: AAB-9924-2020

ScopusID: 57190372311

Yoksis Researcher ID: 222433

Education Information

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Mühendislik Bilimleri (YI) (Tezli), Turkey 2013 - 2016

Undergraduate Minor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 2011 - 2013

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 2008 - 2013

Foreign Languages

German, B1 Intermediate

Dissertations

Postgraduate, Development of clinoptilolite/poly ?-caprolactone -poly ethylene glycol - poly ?-caprolactone triblock copolymer based scaffolds for bone tissue engineering, Middle East Technical University, Graduate School of Natural and Applied Sciences, Mühendislik Bilimleri (YI) (Tezli), 2016

Research Areas

Biomechanics, Ceramic Materials, Polymeric Materials, Biomaterials, Biomaterial, Biosensor

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fibroin reinforced, strontium-doped calcium phosphate silicate cements for bone tissue engineering applications**
Işık G., PAZARÇEVİREN A. E., EVİS Z., TEZCANER A.
Journal of Materials Research, vol.38, no.23, pp.5017-5031, 2023 (SCI-Expanded)
- II. **Alginate/gelatin/boron-doped hydroxyapatite-coated Ti implants: in vitro and in vivo evaluation of osseointegration**
Pazarçeviren A. E., Evis Z., Dikmen T., Altunbaş K., Yaprakçı M. V., Keskin D., Tezcaner A.
Bio-Design and Manufacturing, vol.6, no.3, pp.217-242, 2023 (SCI-Expanded)
- III. **Versatile-in-All-Trades: Multifunctional Boron-Doped Calcium-Deficient Hydroxyapatite Directs Immunomodulation and Regeneration**
Pazarçeviren A. E., Akbaba S., Evis Z., Tezcaner A.
ACS Biomaterials Science and Engineering, vol.8, no.7, pp.3038-3053, 2022 (SCI-Expanded)
- IV. **Properties and applications of boron nitride nanotubes**
Turhan E. A., Pazarçeviren A. E., Evis Z., Tezcaner A.
NANOTECHNOLOGY, vol.33, no.24, 2022 (SCI-Expanded)
- V. **Seamless and robust alginate/gelatin coating on Ti-6Al-4V as a gap filling interphase**
PAZARÇEVİREN A. E., Akbaba S., TEZCANER A., KESKİN D., EVİS Z.
APPLIED SURFACE SCIENCE, vol.581, 2022 (SCI-Expanded)
- VI. **Boron-doped Biphasic Hydroxyapatite/beta-Tricalcium Phosphate for Bone Tissue Engineering**
PAZARÇEVİREN A. E., TEZCANER A., KESKİN D., Kolukisa S. T., Surdem S., EVİS Z.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.199, no.3, pp.968-980, 2021 (SCI-Expanded)
- VII. **Multifunctional natural polymer-based metallic implant surface modifications**
Pazarçeviren A. E., Tezcaner A., Evis Z.
BIOINTERPHASES, vol.16, no.2, 2021 (SCI-Expanded)
- VIII. **Historical development of simulated body fluids used in biomedical applications: A review**
Yılmaz B., PAZARÇEVİREN A. E., TEZCANER A., EVİS Z.
MICROCHEMICAL JOURNAL, vol.155, 2020 (SCI-Expanded)
- IX. **Composite clinoptilolite/PCL-PEG-PCL scaffolds for bone regeneration: In vitro and in vivo evaluation**
Pazarçeviren A. E., Dikmen T., Altunbas K., Yaprakci V., Erdemli O., Keskin D., Tezcaner A.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.14, pp.3-15, 2020 (SCI-Expanded)
- X. **Nanocrystalline Zn²⁺ and SO₄²⁻ binary doped fluorohydroxyapatite: A novel biomaterial with enhanced osteoconductive and osteoinconductive properties**
ALSHEMARY A. Z. G., Pazarceviren E. A., DALGIÇ A. D., Tezcaner A., KESKİN D., EVİS Z.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.104, 2019 (SCI-Expanded)
- XI. **Porous clinoptilolite-nano biphasic calcium phosphate scaffolds loaded with human dental pulp stem cells for load bearing orthopedic applications**
Alshemary A. Z. G., Pazarçeviren A. E., Keskin D., Tezcaner A., Hussain R., Evis Z.
BIOMEDICAL MATERIALS, vol.14, 2019 (SCI-Expanded)
- XII. **Resorbable PCEC/gelatin-bismuth doped bioglass-graphene oxide bilayer membranes for guided bone regeneration**
Pazarçeviren A. E., Evis Z., Keskin D., Tezcaner A.
BIOMEDICAL MATERIALS, vol.14, 2019 (SCI-Expanded)
- XIII. **In vitro performance of a nanobiocomposite scaffold containing boron-modified bioactive glass nanoparticles for dentin regeneration**
Rad R. M., Pazarceviren E., Akguen E. E., Evis Z., Keskin D., Sahin S., Tezcaner A.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.33, pp.834-853, 2019 (SCI-Expanded)
- XIV. **Investigation of bismuth doped bioglass/graphene oxide nanocomposites for bone tissue engineering**
PAZARÇEVİREN A. E., TAHMASEBİFAR A., TEZCANER A., KESKİN D., EVİS Z.

CERAMICS INTERNATIONAL, vol.44, no.4, pp.3791-3799, 2018 (SCI-Expanded)

- XV. **Fe³⁺/SeO₄²⁻ dual doped nano hydroxyapatite: A novel material for biomedical applications**
ALSHMARY A. Z. G., PAZARÇEVİREN A. E., TEZCANER A., EVİS Z.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.106, no.1, pp.340-352, 2018 (SCI-Expanded)
- XVI. **Nanosized CaP-silk fibroin-PCL-PEG-PCL/PCL based bilayer membranes for guided bone regeneration**
Türkkan S., Pazarçeviren A. E., Keskin D., Machin N. E., Duygulu O., Tezcaner A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.80, pp.484-493, 2017 (SCI-Expanded)
- XVII. **Clinoptilolite/PCL-PEG-PCL composite scaffolds for bone tissue engineering applications**
Pazarçeviren E., Erdemli O., Keskin D., Tezcaner A.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.31, pp.1148-1168, 2017 (SCI-Expanded)
- XVIII. **Mesoporous strontium doped nano sized sulphate hydroxyapatite as a novel biomaterial for bone tissue applications**
Alshemary A. Z., PAZARÇEVİREN A. E., TEZCANER A., EVİS Z.
RSC ADVANCES, vol.6, no.72, pp.68058-68071, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bioprinting of bioglass-alginate/carboxymethyl cellulose for bone tissue engineering**
Tahmasebifar A., Baran E. T., Yilmaz B., Pazarçeviren A. E.
Bioprinting, vol.34, 2023 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Boron Doped Hydroxyapatite/Tricalcium Phosphate for Bone Tissue Engineering Applications**
Pazarçeviren A. E., Keskin D., Tezcaner A., Topsoy Kolukisa S., Evis Z.
24th International Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019, pp.175
- II. **Çift Katmanlı PCEC/Jelatin-Bizmut-Grafen Oksit Membranları ile Güdümlü Kemik Yenilenmesi**
Pazarçeviren A. E., Evis Z., Keskin D., Tezcaner A.
23. Biyomedikal Bilim ve Teknoloji Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.103
- III. **Evaluation of Zeolite/PCL-PEG- PCL Composite Scaffolds on Bone Regeneration in Rabbit Unicortical Tibial Defect**
PAZARÇEVİREN A. E., ERDEMLİ Ö., YAPRAKCI M. V., ALTUNBAŞ K., KESKİN D., TEZCANER A.
22nd International Symposium on Biomedical Science Technology, 12 - 14 May 2017
- IV. **Investigation of zeolite/PCL-PEG-PCL composite scaffolds for bone tissue engineering**
PAZARÇEVİREN A. E., KESKİN D., YAPRAKCI M. V., ALTUNBAŞ K., TEZCANER A.
Uluslararası Katılımlı 8. Ulusal Biyomekanik Kongresi, 19 - 23 October 2016
- V. **PCEC/Silk Fibroin/CaP-PCL Based Bilayered Constructs for Guided Tissue Regeneration**
Türkkan S., PAZARÇEVİREN A. E., Machin N., KESKİN D., Duygulu Ö., TEZCANER A.
12th International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016
- VI. **In vitro Characterization of Clinoptilolite poly caprolactone poly ethylene glycol poly caprolactone Based Bone Tissue Scaffolds**
PAZARÇEVİREN A. E., KESKİN D., ERDEMLİ Ö., TEZCANER A.
21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015, pp.97
- VII. **Fabrication and Characterization of Clinoptilolite PCL PEG PCL Composite Scaffolds for Bone Tissue Engineering**
PAZARÇEVİREN A. E., ERDEMLİ Ö., KESKİN D., TEZCANER A.

27th European Conference on Biomaterials, Krakow, Poland, 30 August - 03 September 2015, pp.98

VIII. Development of Nano Sized CaP Silk Fibroin PCL Based Bilayer Membranes for Guided Bone Regeneration

ATAOL S., MACHİN N., PAZARÇEVİREN A. E., KESKİN D., DUYGULU Ö., TEZCANER A.

NANO-TR2011, Turkey, 22 - 25 June 2015

Supported Projects

Pazarçeviren A. E., Tezcaner A., Evis Z., Keskin D., Altunbaş K., Yaprakçı M. V., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Bor Katkılı Hidroksiapatit ve Trikalsiyum Fosfatın Aljinat ile Beraber Titanyum Alaşımı Üzerine Kaplanması: Mikroyapı, Mekanik, İn vitro ve İn vivo Özelliklerinin İncelenmesi, 2018 - 2022

TEZCANER A., YAPRAKÇI V., ALTUNBAŞ K., KESKİN D., PAZARÇEVİREN A. E., Project Supported by Higher Education Institutions, Zeolit ile Güçlendirilmiş 3 Boyutlu ve Gözenekli Hücre Taşıyıcılarının Kemik Hasarı Tedavisinde Etkinliğinin İncelenmesi, 2016 - 2017

Metrics

Publication: 29

Citation (WoS): 258

Citation (Scopus): 378

H-Index (WoS): 10

H-Index (Scopus): 11