

Res. Asst. BİRGÜN ÖZÇOLAK ASLAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Bogazici University, Biyomedikal Mühendisliği Enstitüsü, Biyomedikal Mühendisliği (Dr), Turkey 2016 - 2024

Postgraduate, Bogazici University, Biyomedikal Mühendisliği Enstitüsü, Biyomedikal Mühendisliği (YI) (Tezli), Turkey 2014 - 2016

Undergraduate, Bogazici University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2009 - 2014

Dissertations

Postgraduate, Bone surface microenvironment mimicked biodegradable scaffolds for osteogenic stem cell differentiation, Bogazici University, Biyomedikal Mühendisliği Enstitüsü, Biyomedikal Mühendisliği (YI) (Tezli), 2016

Research Areas

Laser Tissue Interaction, Artificial Organs and Biomaterials, Biomaterial, Biosensor

Academic Titles / Tasks

Research Assistant, Istanbul Medipol University, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Effects of bone surface topography and chemistry on macrophage polarization**
Özcolak B., Erenay B., ODABAŞ S., Jandt K. D., Garipcan B.
Scientific reports, vol.14, no.1, pp.12721, 2024 (SCI-Expanded)
- Anisotropic Bone Surface Topography Mimicked Chitosan/Graphene Oxide Membranes**
Puza F., Rostami S., Özcolak-Aslan B., ODABAŞ S., Jandt K. D., Garipcan B.
Advanced Engineering Materials, vol.25, no.1, 2023 (SCI-Expanded)

Books & Book Chapters

- Biyotaklit ve Biyoesinlenmiş Biyomalzemeler**

ERKOÇ F. Z., ÖZÇOLAK B., GARİPCAN B.

in: İLERİ MALZEMELER: BİYOMALZEME VE NANOMALZEME UYGULAMALARI, Adil Denizli, Filiz Kuralay, Editor, Hacettepe Üniversitesi, Ankara, pp.73-89, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Bone surfacemimicked biodegradable membranes**
ÖZÇOLAK B., perver d., ÖZKARA YAVUZ S., jandt k., GARİPCAN B.
6th Int'l Conference on Tissue Engineering, 14 - 19 June 2017
- II. **Kemik Mikroçevre Taklit Biyobozunur Doku İskeleleri**
ÖZÇOLAK B., PERVER D., JANDT K. D., GARİPCAN B.
Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT 2016), İzmir, Turkey, 3 - 05 November 2016
- III. **Bone Surface Micro-environment Mimicked PLA Scaffolds**
ÖZÇOLAK B., PERVER D., JANDT K. D., GARİPCAN B.
Materials Science Engineering (MSE 2016), Darmstadt, Germany, 27 - 29 September 2016
- IV. **Bone Surface Mimicked Scaffolds for Bone Tissue Engineering**
ÖZÇOLAK B., PERVER D., JANDT K. D., GARİPCAN B.
9th Scandinavian Society for Biomaterials, Reykjavik, Iceland, 1 - 03 June 2016
- V. **Bone surface microenvironment mimicked PLA scaffolds for osteogenic stem cell differentiation**
ÖZÇOLAK B., PERVER D., ÖZKARA YAVUZ S., JANDT K. D., GARİPCAN B.
10th World Biomaterials Congress, Montreal, Canada, 17 - 22 May 2016
- VI. **BMP-2 Loaded Col I and Hydroxyapatite Modified Bone Surface Mimicked PLA Scaffolds**
ÖZÇOLAK B., PERVER D., JANDT K. D., GARİPCAN B.
Euro Bio-inspired Materials 2016, Potsdam, Germany, 22 - 25 February 2016

Supported Projects

Aslan B., TUBITAK Project, Kemik Yüzeyi Taklit Yapıların İmmünomodülatif Etkisinin İncelenmesi, 2021 - 2022

Metrics

Publication: 9

Citation (Scopus): 6

H-Index (Scopus): 1