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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyomühendislik A.B.D., Turkey 2015 - 2021

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, -, Turkey 2012 - 2015

Undergraduate, Ege University, Faculty Of Engineering, Biyomühendislik Bölümü, Turkey 2008 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, DEVELOPMENT OF PERICARDIUM BASED REGENERATIVE CARDIAC PATCHES BY TISSUE ENGINEERING APPROACH TO REPAIR CONGENITAL SEPTAL DEFECTS, Hacettepe University, Fen Bilimleri Enstitüsü, Biyomühendislik A.B.D., 2021

Postgraduate, KANSER KÖK HÜCRELERİNİN MİKRO DOKU OLUŞUMUNA VE ORGANİZASYONUNA ETKİSİ , Ege University, Fen Bilimleri Enstitüsü, -, 2015

Research Areas

Basic Sciences of Pharmacy, Tissue Engineering, Stem Cell Engineering, Biotechnology, Biomaterial, Bioreactor, Animal Biology, Animal Tissue Culture

Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2019 - Continues

Research Assistant, Gebze Technical University, Faculty Of Engineering, Department Of Bioengineering, 2017 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

1. Effect of final irrigation protocols with chitosan nanoparticle and genipin on dentine against collagenase degradation: An ex-vivo study

Şengül S., ÖZTÜRK Ş., ULUBAYRAM K., PEKEL BAYRAMGİL N., KÜÇÜKKAYA EREN S.

International Endodontic Journal, vol.57, no.4, pp.477-489, 2024 (SCI-Expanded)

- II. **Assessment of electromechanically stimulated bone marrow stem cells seeded acellular cardiac patch in a rat myocardial infarct model**
Öztürk Ş., Shahbazi R., Zeybek N. D., Kürüm B., Gültekinoglu Bayram M., Aksoy E. A., Demircin M., Ulubayram K.
BIOMEDICAL MATERIALS, vol.16, no.5, 2021 (SCI-Expanded)
- III. **Surface modified nanoliposome formulations provide sustained release for 5-FU and increase cytotoxicity on A431 cell line**
Yaman U., Aslan M., ÖZTÜRK Ş., ULUBAYRAM K., EROĞLU İ.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.25, no.10, pp.1192-1203, 2020 (SCI-Expanded)
- IV. **Development and characterization of cancer stem cell-based tumoroids as an osteosarcoma model**
ÖZTÜRK Ş., Gorgun C., Gokalp S., Vatansever S., ŞENDEMİR A.
BIOTECHNOLOGY AND BIOENGINEERING, vol.117, no.8, pp.2527-2539, 2020 (SCI-Expanded)
- V. **Coculture model of blood-brain barrier on electrospun nanofibers**
Ozyurt M. G., BAYIR E., Dogan S., ÖZTÜRK Ş., ŞENDEMİR A.
TURKISH JOURNAL OF BIOLOGY, vol.44, no.4, pp.121-132, 2020 (SCI-Expanded)
- VI. **Preparation of poly(glycerol sebacate) fibers for tissue engineering applications**
Gultekinoglu M., Orturk Ş., Chen B., Edirisinghe M., ULUBAYRAM K.
EUROPEAN POLYMER JOURNAL, vol.121, 2019 (SCI-Expanded)
- VII. **Biofabrication of Gelatin Tissue Scaffolds with Uniform Pore Size via Microbubble Assembly**
BAYRAM C., Jiang X., Gultekinoglu M., ÖZTÜRK Ş., ULUBAYRAM K., Edirisinghe M.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.304, no.11, 2019 (SCI-Expanded)
- VIII. **Vancomycin Loaded Gelatin Microspheres Containing Wet Spun Poly(epsilon-caprolactone) Fibers and Films for Osteomyelitis Treatment**
AKSOY E. A., Yagci B. S., Manap G., EROĞLU İ., ÖZTÜRK Ş., EKİZOĞLU M., ULUBAYRAM K.
FIBERS AND POLYMERS, vol.20, no.11, pp.2236-2246, 2019 (SCI-Expanded)
- IX. **Effect of dentine conditioning with phytic acid or etidronic acid on growth factor release, dental pulp stem cell migration and viability**
Sungur D., Aksel H., Ozturk S., Yilmaz Z., Ulubayram K.
INTERNATIONAL ENDODONTIC JOURNAL, vol.52, no.6, pp.838-846, 2019 (SCI-Expanded)
- X. **Gold nano-decorated aligned polyurethane nanofibers for enhancement of neurite outgrowth and elongation**
DEMİR U. S., SHAHBAZI R., ÇALAMAK S., ÖZTÜRK Ş., GÜLTEKİNOĞLU M., ULUBAYRAM K.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.106, no.6, pp.1604-1613, 2018 (SCI-Expanded)
- XI. **VEGF/BMP-2 loaded three-dimensional model for enhanced angiogenic and odontogenic potential of dental pulp stem cells**
AKSEL H., ÖZTÜRK Ş., SERPER A., ULUBAYRAM K.
INTERNATIONAL ENDODONTIC JOURNAL, vol.51, no.4, pp.420-430, 2018 (SCI-Expanded)
- XII. **Dual release behavior of atorvastatin and alpha-lipoic acid from PLGA microspheres for the combination therapy in peripheral nerve injury**
EROĞLU H., Haidar M. K., NEMUTLU E., ÖZTÜRK Ş., BAYRAM C., ULUBAYRAM K., ÖNER L.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.39, pp.455-466, 2017 (SCI-Expanded)
- XIII. **Synergistic role of three dimensional niche and hypoxia on conservation of cancer stem cell phenotype**
Gorgun C., Ozturk Ş., Gokalp S., Vatansever S., Gurhan S. I. D., Urkmez A. S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.90, pp.20-26, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Long-Term Release Profiles of Growth Factors From DPSCs on Demineralized Dentin Under**

Osteogenic Environment and Their Effects on Odontogenic Differentiation

ÖZTÜRK Ş., AKSEL H., ASLANTAŞ E. E., ULUBAYRAM K.

Hacettepe University Journal of the Faculty of Pharmacy, vol.40, no.1, pp.11-19, 2020 (Scopus)

Books & Book Chapters

I. RECENT ADVANCES IN CARDIAC TISSUE ENGINEERING

Öztürk Ş., Aslan M., Ulubayram K.

in: BIOMATERIALS AND STEM CELLS: FROM BASICS TO APPLICATIONS, Bora Garipcan, Adil Denizli, Editor, Palme Yayın Dağıtım, Ankara, pp.31-46, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. Microbubble generation via T-junction microfluidics as a versatile tool for the fabrication of highly uniform porous biomaterials**
GÜLTEKİNOĞLU M., Xinyue J., BAYRAM C., ÖZTÜRK Ş., ULUBAYRAM K., Edirisinghe M.
24th International Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019
- II. Biofabrication of Gelatin Tissue Scaffolds with Uniform Pore Size via Microbubble Assembly,**
Bayram C., Jiang X., Gültekinoglu Bayram M., Öztürk Ş., Ulubayram K., Edirisinghe M.
24. Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019, pp.77
- III. Poly(Polyol)Sebacate (PPS) Gyro-Fiber Supported Hybrid Gel-M Hydrogel Tissue Scaffolds**
Gültekinoglu Bayram M., Öztürk Ş., Chen B., Edirisinghe M., Ulubayram K.
24. Biomedical Science and Technology Symposium-BIOMED, İzmir, Turkey, 17 - 20 October 2019, pp.54
- IV. Biological impact of dentine conditioning by various chelating agents on the viability of dental pulp stem cells**
AKSEL H., DENİZ SUNGUR D., ÖZTÜRK Ş., YILMAZ Z., ULUBAYRAM K.
18. Avrupa Endodonti Derneği Yıllık Kongresi, United States Of America, 14 - 16 September 2017, vol.50, pp.3-56
- V. Spectrophotometric determination of apically extruded irrigant using different irrigant activation systems in simulated open apex model.**
AKSEL H., KÜÇÜKKAYA S., ASKERBEYLİ ÖRS S., ÖZTÜRK Ş., SERPER A.
Türk Endodonti Derneği 7. Uluslararası Endodonti Sempozyumu, 11 - 14 May 2017
- VI. Zinc Strontium Chelated Chitosan Brushite Composite Gel Fibers for Bone Tissue Engineering**
AKSOY E. A., S BETÜL Y., MANAP G., ÖZTÜRK Ş., ULUBAYRAM K.
46th IUPAC WORLD POLYMER CONGRESS, 17 - 21 July 2016
- VII. Synergistic effects of chemical biological and electromechanical stimulations on cardiomyogenic differentiation of BMSCs**
ÖZTÜRK Ş., SHAHBAZI R., GÜLTEKİNOĞLU M., ZEYBEK N. D., AKSOY E. A., DEMİRCİN M., ULUBAYRAM K.
European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society, 28 June - 01 July 2016
- VIII. Engineering a 3D Cardiac Patch Through Cardiomyogenic Differentiation of rMSCs by Synchronous Mechanical and Electrical Stimulations**
ULUBAYRAM K., ÖZTÜRK Ş., SHAHBAZI R., ZEYBEK N. D.
10th World Biomaterials Congress (WBC), 17 - 22 May 2016
- IX. XIII ULUSAL HİSTOLOJİ ve EMBRİYOLOJİ KONGRESİ**
ZEYBEK N. D., ÖZTÜRK Ş., SHAHBAZI R., ULUBAYRAM K.
Aselüler Doku İskelelerinin Geliştirilmesi ve Histolojik Değerlendirilmesi, Turkey, 30 April - 03 May 2016
- X. Acellular Scaffolds in Cardiac Tissue Engineering Designing and Stem Cell Differentiation**
SHAHBAZI R., ÖZTÜRK Ş., ZEYBEK N. D., ULUBAYRAM K.
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015

XI. Enhancement of Neuronal Outgrowth By Gold Nanoparticles Decorated Polyurethane Nanofiber Scaffolds

DEMİR Ü. S., SHAHBAZI R., ÇALAMAK S., ÖZTÜRK Ş., ULUBAYRAM K.

Tissue Engineering and Regenerative Medicine (TERMIS 2015), 8 - 11 September 2015

XII. Effects of Different Stimulating Factors on Axonal Elongation of PC12 Cells Seeded on Gold Nanoparticle Modified Scaffolds

DEMİR Ü. S., SHAHBAZI R., ÇALAMAK S., ÖZTÜRK Ş., ULUBAYRAM K.

21st International Biomedical Science and Technology, 22 - 24 October 2015

Supported Projects

Gültekinoglu Bayram M., Mangır N., Ulubayram K., Zeybek N. D., Öztürk Ş., TÜBİTAK International Bilateral Joint Cooperation Program Project, Akıllı Tasarım V-Patch ile Vezikovajinal Fistül Onarımı: Laboratuvar'dan Klinik Uygulamaya Geçiş, 2022 - 2025

EROĞLU İ., ÖZTÜRK Ş., Akman M., Aslan M., Project Supported by Higher Education Institutions, Vitiligo Tedavisine Yönelik Pimekrolimus Yüklü Lipozom Formülasyonlarının Geliştirilmesi, 2019 - 2023

KÜÇÜKKAYA EREN S., ŞENGÜL S. N., ÖZTÜRK Ş., ULUBAYRAM K., Project Supported by Higher Education Institutions, Kök Kanal Tedavisinde Uygulanan Nanopartikül İçerikli İrrigasyon Protokolünün Dentinin Fiziksel ve Mekanik Özelliklerine Etkisi, 2020 - 2022

Ulubayram K., Taşkıran Z. E., Zeybek N. D., Karaosmanoğlu B., Öztürk Ş., Project Supported by Higher Education Institutions, 2021 - 2021

Çakır T., Pir P., Le Novore N., TUBITAK Project, Uyarılmış Kök Hücrelerin Oluşum ve Başkalaşım Süreçlerinin Sistem Biyolojisi ve Biyomühendislik Yaklaşımlarıyla Modellenerek Geliştirilmesi, 2017 - 2021

Öztürk Ş., Aksel H., Ulubayram K., Aslantaş E. E., Project Supported by Higher Education Institutions, VEGF ve BMP-2 Yüklü Ha/Tcp Silindir Taşıyıcı Matrislerin DPSC'lerin Farklılaşması Üzerine Etkisi, 2015 - 2016

Ulubayram K., TUBITAK Project, Konjenital Septal Defektlerin Onarımına Yönelik Perikard Bazlı Rejeneratif Kardiyak Yamaların Doku Mühendisliği Yöntemi ile Geliştirilmesi (Biyoyama), 2014 - 2016

Şendimir A., Deliloğlu Gürhan I., Vatansever H. S., Gülce İz S., TUBITAK Project, • , 2013 - 2016

Öztürk Ş., Şendimir A., Project Supported by Higher Education Institutions, Kanseri Kök Hücrelerinin Mikro Doku Oluşumuna ve Organizasyonuna Etkisi, 2013 - 2015

Scientific Refereeing

Konya mühendislik bilimleri dergisi (Online), National Scientific Refreed Journal, February 2023

SAUDI PHARMACEUTICAL JOURNAL, Journal Indexed in SCI-E, February 2021

Tasks In Event Organizations

Ulubayram K., Aksoy E. A., Eroğlu İ., Bayram C., Gültekinoglu Bayram M., Çalamak S., Öztürk Ş., 24. International Biomedical Science and Technology Symposium (BIOMED2019), Scientific Congress, Turkey, Ekim 2019

Metrics

Publication: 28

Citation (WoS): 89

Citation (Scopus): 149

H-Index (WoS): 7

H-Index (Scopus): 7