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Personal Information

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International Researcher IDs

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ScopusID: 57221527577

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Education Information

Doctorate, Izmir Institute Of Technology, Bioengineering, Turkey 2020 - Continues

Postgraduate, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Biyomühendislik, Turkey 2019 - 2020

Undergraduate, Ege University, Faculty Of Engineering, Biyomühendislik, Turkey 2013 - 2017

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, VI. Deney Hayvanları Kullanım Sertifikası Eğitim Program, Deneysel Araştırmalar Uygulama ve Araştırma Merkezi (ÇOMÜDAM), 2019

Health&Medicine, Therapeutic mAb Engineering and Production Workshop, İzmir Biyotıp ve Genom Merkezi, 2017

Health&Medicine, Temel Hücre Kültürü Eğitimi, Ebitem TTO, 2016

Occupational Health and Safety, ISO / IEC 17025, GMP, GLP, GHP Temel Eğitimi, Yaşamartı Eğitim Merkezi, 2015

Dissertations

Postgraduate, Synthesis and characterization of si-modified quince seed mucilage based bioscaffolds for bone tissue engineering, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Biyomühendislik, 2020

Research Areas

Biomedical Engineering, Biomechanics, Artificial Organs and Biomaterials, Life Sciences, Biotechnology, Biomaterial, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Nano-hydroxyapatite incorporated quince seed mucilage bioscaffolds for osteogenic differentiation of human adipose-derived mesenchymal stem cells**
Cetin Genc Ç., Yilmaz H. D., Karaca B., Kiran F., Arslan Y. E.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.195, pp.492-505, 2022 (SCI-Expanded)
- II. **From a plant secretion to the promising bone grafts: Cryogels of silicon-integrated quince seed mucilage by microwave-assisted sol-gel reaction**
YILMAZ H. D., CENGİZ U., ARSLAN Y. E., Kiran F., Ceylan A.
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.131, no.4, pp.420-433, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **COVID-19 Tedavisinde Mezenkimal Kök Hücrelerin Potansiyel Kullanımı Üzerine Kapsamlı Bir İnceleme**
Kurt T., Sevinc I., Uysal F. M., Demıray E. B., Yılmaz H. D., Arslan Y. E.
Türkiye Sağlık Enstitüleri Başkanlığı Dergisi, vol.4, no.4, pp.31-65, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Composite Bio Surfaces of Plant Hydrocolloid from Quince Fruit Seeds and Boron/Silica Molecules**
YILMAZ H. D., CENGİZ U., ARSLAN Y. E.
IX. International Advanced Technologies Symposium (IATS'21), Elazığ, Turkey, 27 - 28 October 2021
- II. **Characterization of QSM/nHAp-Based Biological Scaffolds with The Potential Use in Oral and Maxillofacial Region: Preliminary Study**
ÇETİN GENÇ Ç., ARSLAN Y. E., Karaca B., YILMAZ H. D.
Turkish Association Of Oral and Maxillofacial Surgery 'xx20 (27th INTERNATIONAL SCIENTIFIC CONGRESS), Muğla, Turkey, 27 - 30 September 2020, pp.95-96
- III. **Synthesis and characterization of Si-modified quince seed mucilage based bioscaffolds for bone tissue engineering.**
Yılmaz H. D., Cengiz U., Arslan Y. E.
III. International Joint Science Congress of Materials and Polymers, Pristine, Kosovo, 12 - 14 September 2019, pp.57

Supported Projects

Çetin Genç Ç., Arslan Y. E., Yılmaz H. D., Derkuş B., Deniz Y., Değirmenci A., Project Supported by Higher Education Institutions, Ayva çekirdeği müsilajı/nanohidroksiapatit (AÇMn/HAp) temelli biyoiskelelerin tavşan çene kemiğinde mandibula oluşturulan defekt alanının iyileşmesine olan etkisi, 2022 - 2023

ARSLAN Y. E., CENGİZ U., YILMAZ H. D., Project Supported by Higher Education Institutions, Bitkisel Müsilaj/Bor Temelli Yeni Nesil Doku Mühendisliği İskelelerinin Geliştirilmesi, 2020 - 2022

ÇETİN GENÇ Ç., ARSLAN Y. E., KIRAN F., YILMAZ H. D., YILMAZ H. D., Project Supported by Higher Education Institutions, Oral ve maksillofasiyal bölgede kullanıma potansiyeli olan nHA/müsilaj temelli biyolojik iskelelerin üretilmesi ve in vitro değerlendirilmesi, 2019 - 2021

Metrics

Publication: 8

Citation (WoS): 5

Citation (Scopus): 22

H-Index (WoS): 1

H-Index (Scopus): 2

Awards

Çetin Genç Ç., Arslan Y. E., Yılmaz H. D., Karaca B., 27th International Scientific Congress of Association of Oral and Maxillofacial Surgery, Best Oral Presentation Award, Türk Oral Ve Maksillofasiyal Cerrahi Derneği 27. Uluslararası Bilimsel Kongresi, September 2020