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Personal Information

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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

Postgraduate, Dokuz Eylul University, Institute Of Hemodialyses And Transplantation, Department Of Hemodialysis, Turkey 2017 - 2019

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, Ebiltem 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

Research Assistant, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Biyomühendislik, 2018 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Comprehensive Review on the Potential Use of Mesenchymal Stem Cells in the Treatment of COVID-19**
Kurt T., Sevinc İ., Uysal F. M. , Demiray E. B. , Yilmaz H. D. , Arslan Y. E.
Türkiye Sağlık Enstitüleri Başkanlığı Dergisi, vol.4, no.3, pp.31-65, 2021 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Composite Bio Surfaces of Plant Hydrocolloid from Quince Fruit Seeds and Boron/Silica Molecules**
Yilmaz H. D. , Cengiz U., Arslan Y. E.
IX. International Advanced Technologies Symposium (IATS'21), Elazığ, Turkey, 27 - 28 October 2021, pp.7
- 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.**
Yilmaz H. D. , Cengiz U., Arslan Y. E.
III. International Joint Science Congress of Materials and Polymers, Prishtine, Kosovo, 12 - 14 September 2019, pp.57

Supported Projects

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 kullanılma potansiyeli olan nHA/müsilaj temelli biyolojik iskelelerin üretilmesi ve in vitro değerlendirilmesi, 2019 - 2021

Citations

Total Citations (WOS):3

h-index (WOS):1

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