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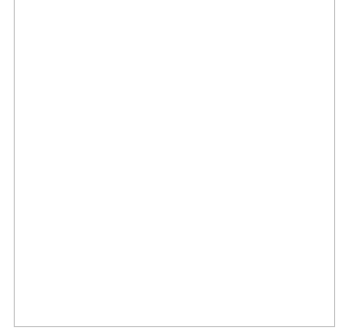
International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-4927-2019

ScopusID: 55561942100

Yoksis Researcher ID: 282316



Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Malzeme Bilimi Ve Nanoteknoloji (Dr), Turkey 2010 - 2015

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Molecular Biology And Genetics, Turkey 2004 - 2009

Dissertations

Doctorate, Development and characterization of peptide nanofibers for cartilage regeneration, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, 2015

Research Areas

Material science and engineering

Academic Titles / Tasks

Assistant Professor, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2018 - Continues

Academic and Administrative Experience

Ulusal ve Uluslararası İlişkiler ve Değişim Koordinatörlüğü Üyesi, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Bütünlük Tıbbilimsel Doktora Program Kurulu, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Mezuniyet Öncesi Eğitim Koordinatörlüğü, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues

Bölüm Kalite Komisyonu Üyesi, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2022 - Continues
DÖNEM I KOORDİNATÖR YARDIMCISI, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2021 - Continues

Ölçme Değerlendirme Kurulu Üyesi, Lokman Hekim University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2021 - Continues
Rectorate Commissioner, Lokman Hekim University, Translasyonel Tıp Uygulama Ve Araştırma Merkezi, 2019 - Continues
Erasmus Program Institutional Coordinator, Lokman Hekim University, 2019 - 2021
Head of Department, Lokman Hekim University, 2018 - 2021

Courses

TIBBİ BİYOLOJİ, Undergraduate, 2022 - 2023, 2021 - 2022
MEDICAL BIOLOGY, Undergraduate, 2022 - 2023
MEDICAL BIOLOGY, Undergraduate, 2022 - 2023
Tıbbi biyoloji, Undergraduate, 2022 - 2023, 2021 - 2022
HÜCRELERARASI İLİŞKİLER, Postgraduate, 2022 - 2023
MEDICAL BIOLOGY, Undergraduate, 2022 - 2023, 2021 - 2022
MEDICAL BIOLOGY, Undergraduate, 2022 - 2023, 2021 - 2022
TIBBİ BİYOLOJİ, Undergraduate, 2022 - 2023, 2021 - 2022
SCIENTIFIC AND CLINICAL APPROACHES, Undergraduate, 2022 - 2023
MOLEKÜLER BİYOLOJİ VE GENETİK, Undergraduate, 2022 - 2023, 2021 - 2022
Tıbbi biyoloji, Undergraduate, 2022 - 2023, 2021 - 2022
MOLECULAR BIOLOGY AND GENETICS, Undergraduate, 2022 - 2023
MEDICAL BIOLOGY, Undergraduate, 2022 - 2023, 2021 - 2022
Tıbbi Biyoloji ve Genetik, Undergraduate, 2019 - 2020
Tıbbi Biyoloji, Undergraduate, 2019 - 2020, 2018 - 2019
Rejeneratif Tıp ve Doku Mühendisliği, Undergraduate, 2018 - 2019

Jury Memberships

Post Graduate, Post Graduate, Lokman Hekim Üniversitesi, February, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Lokman Hekim Üniversitesi, January, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An enzyme-free technique enables the isolation of a large number of adipose-derived stem cells at the bedside**
YAYLACI S., KAÇAROĞLU D., Hürkal Ö., ULAŞLI A. M.
Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)
- II. **Peptide Nanofiber System for Sustained Delivery of Anti-VEGF Proteins to the Eye Vitreous**
YAYLACI S., Dinç E., AYDIN B., Tekinay A. B., Guler M. O.
Pharmaceutics, vol.15, no.4, 2023 (SCI-Expanded)
- III. **Sulfated GAG mimetic peptide nanofibers enhance chondrogenic differentiation of mesenchymal stem cells in 3D in vitro models**
Yaylacı S., Guler M. O., Tekinay A. B.
Regenerative Biomaterials, vol.10, pp.1, 2022 (SCI-Expanded)
- IV. **SUSTAINED INTRAVITREAL ANTI-VEGF RELEASE FROM PEPTIDE NANOFIBER DELIVERY SYSTEMS**
Yaylacı S.
TISSUE ENGINEERING - PART A, vol.28, no.S1, pp.456, 2022 (SCI-Expanded)

- V. **Chondrogenic Differentiation of Mesenchymal Stem Cells on Glycosaminoglycan-Mimetic Peptide Nanofibers**
YAYLACI S., Sen M., Bulut O., Arslan E., Guler M. O., Tekinay A. B.
ACS BIOMATERIALS SCIENCE & ENGINEERING, vol.2, no.5, pp.871-878, 2016 (SCI-Expanded)
- VI. **Supramolecular GAG-like Self-Assembled Glycopeptide Nanofibers Induce Chondrogenesis and Cartilage Regeneration**
YAYLACI S., ŞARDAN EKİZ M., Arslan E., Can N., Kilic E., Ozkan H., Orujalipoor I., İDE S., Tekinay A. B., Guler M. O.
BIOMACROMOLECULES, vol.17, no.2, pp.679-689, 2016 (SCI-Expanded)
- VII. **Growth and Differentiation of Prechondrogenic Cells on Bioactive Self-Assembled Peptide Nanofibers**
Ustun S., Tombuloglu A., Kilinc M., Guler M. O., Tekinay A. B.
BIOMACROMOLECULES, vol.14, no.1, pp.17-26, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Inducing chondrogenic differentiation in ATDC5 cells using a three-dimensional hydrogel with GAG-mimicking properties**
YAYLACI S.
Journal of scientific reports-A (Online), no.058, pp.1-9, 2024 (Peer-Reviewed Journal)
- II. **Peptide nanofibers for controlled growth factor release**
Tekinay A. B., Guler M. O., Mumcuoglu D., Ustun S.
Therapeutic Delivery, vol.4, no.6, pp.651-654, 2013 (ESCI)

Books & Book Chapters

- I. **Therapeutic Nanomaterials for Cartilage Regeneration**
YAYLACI S., Arslan E., Tekinay A. B., Güler M.
in: Therapeutic Nanomaterials, Guler MO, Tekinay AB, Editor, John Wiley Sons, pp.59-89, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **HAVDI Bioactive Sequence Modulates Immune Responses Of Adipose Derived Mesenchymal Stem Cells In 2D and 3D Cell Culture System**
Yüregir Y., Kaçaroğlu D., Yaylacı S.
INSAC International Researches Congress on Health and Life Sciences , Konya, Turkey, 18 - 19 March 2023, pp.1-2
- II. **Peptide nanofibers as a delivery system for anti-vascular endothelial growth factor protein in the eye**
YAYLACI S., Güler M., Tekinay A. B., DİNÇ E., AYDIN B.
The 26th International Biomedical Science and Technology Symposium, 25 November 2022
- III. **An Enzyme-Free Technique Enables the Isolation of a Large Number of Adipose-Derived Stem Cells at the Bedside**
Yaylacı S., Ulaşlı A. M., Kaçaroğlu D.
5TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 23 - 25 November 2022, pp.1-3
- IV. **Evaluation of the effects of TLR4 signaling on metabolic activity and regenerative capacity in adipose tissue-derived mesenchymal stem cells**
Kaçaroğlu D., Yaylacı S.
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 - 25 November

2022, pp.1-3

- V. **Bioactive and antimicrobial dental implant interfaces for improved and rapid osseointegration**
YAYLACI S., CEYLAN H., ULUTÜRK H., ERGÜL ÜLGER Z.
I.International Advances in Molecular Biology Congress, 19 September 2022
- VI. **ENHANCING CHONDROGENIC DIFFERENTIATION OF MOUSE MESENCHYMAL STEM CELLS IN THREE-DIMENSIONAL IN VITRO MODELS WITH GAG MIMICKING PEPTIDE NANOFIBERS**
YAYLACI S.
1st International Karatekin Science and Technology Conference, 02 September 2022
- VII. **Growth and differentiation of pre-chondrogenic ATDC5 cells on bioactive self-assembled peptide nanofibers**
YAYLACI S., Ekiz M. S., İDE S., Orujalipoor I., Özkan H., Kilic E.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, 15 July 2014, vol.6, pp.54
- VIII. **Supramolecular glycopeptide nanosystems and their effect on the chondrogenic differentiation**
YAYLACI S., İDE S., Ekiz M. S.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, Indianapolis, 8 - 12 September 2013, vol.246
- IX. **Hierarchical design of bone extracellular matrix mimetic nanofibers promote osteogenic differentiation of mesenchymal stem cells**
YAYLACI S.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, 16 May 2013, vol.6, pp.226
- X. **Sustained release of ranibizumab from self-assembled peptide amphiphile microgels**
YAYLACI S.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, 13 May 2013, vol.6, pp.226

Supported Projects

Kaçaroğlu D., Özden A. K., Yaylacı S., Yılmaz A., TÜBİTAK Project, Adipoz Doku Kökenli Mezenkimal Kök Hücrelerin TLR3 Reseptörünün Pankreas Kanseri Hücrelerindeki Antitümörojenik Rolünün Araştırılması, 2024 - 2025

Activities in Scientific Journals

Frontiers in Nanotechnology, Assistant Editor/Section Editor, 2022 - Continues

Memberships / Tasks in Scientific Organizations

European Cooperation in Technology and Science, Member, 2021 - Continues, Germany

European Cooperation in Science and Technology, Member, 2021 - Continues, Germany

Scientific Refereeing

TÜBİTAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Lokman Hekim University, Turkey, February 2023

Frontiers in Nanotechnology, SCI Journal, January 2022

Metrics

Publication: 29

Citation (WoS): 109

Citation (Scopus): 151

H-Index (WoS): 4

H-Index (Scopus): 5

Congress and Symposium Activities

Biomedical Science and Technology Symposium, Attendee, İstanbul, Turkey, 2022

5. International Eurasian Conference on Biological and Chemical Sciences (5. Uluslararası Avrasya Biyolojik ve Kimya Bilimleri Konferansı), Attendee, Ankara, Turkey, 2022

AMB 22 I. International Advances in Molecular Biology Congress, Attendee, İstanbul, Turkey, 2022

1st International Karatekin Science and Technology Conference, Attendee, Çankırı, Turkey, 2022

Representation and Promotion Activities

Institutional Promotion, Betülcan Anadolu Lisesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, Lokman Hekim Üniversitesi, Turkey, Ankara, 2022 - 2022

Institutional Promotion, LHÜ, Turkey, Ankara, 2021 - 2021

Institutional Promotion, LHÜ, Turkey, Ankara, 2021 - 2021

Institutional Promotion, LHÜ, Turkey, Ankara, 2021 - 2021

Institutional Promotion, LHÜ, Turkey, Ankara, 2021 - 2021

Institutional Promotion, LHÜ, Turkey, Ankara, 2021 - 2021

Non Academic Experience

The European Cooperation in Science and Technology (COST)

European Union, European Cooperation in Science and Technology, CorEuStem: The European Network for Stem Cell Core Facilities (CorEuStem)

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