

## Asst. Prof. SEHER YAYLACI

### Personal Information

**Email:** seher.yaylaci@lokmanhekim.edu.tr

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### 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, Turkey 2004 - 2009

### Academic Titles / Tasks

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

### Academic and Administrative Experience

DÖNEM I KOORDNATÖR YARDIMCISI, 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, 2021 - 2022

tıbbi biyoloji, Undergraduate, 2021 - 2022

MEDICAL BIOLOGY, Undergraduate, 2021 - 2022

MEDICAL BIOLOGY, Undergraduate, 2021 - 2022

TIBBİ BİYOLOJİ, Undergraduate, 2021 - 2022

MOLEKÜLER BİYOLOJİ VE GENETİK, Undergraduate, 2021 - 2022

tıbbi biyoloji, Undergraduate, 2021 - 2022

MEDICAL BIOLOGY, Undergraduate, 2021 - 2022

Tıbbi Biyoloji ve Genetik, Undergraduate, 2019 - 2020

Tıbbi Biyoloji, Undergraduate, 2018 - 2019, 2019 - 2020

Rejeneratif Tıp ve Doku Mühendisliği, Undergraduate, 2018 - 2019

### Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (Journal Indexed in SCI)

**II. 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 (Journal Indexed in SCI)

**III. 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 (Journal Indexed in SCI)

## Articles Published in Other Journals

**I. 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 (Journal Indexed in 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. 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

**II. 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

**III. 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

**IV. 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

## Citations

Total Citations (WOS):108

h-index (WOS):4

## Representation and Promotion Activities

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