

Res. Asst. SELCAN GÜLER

Personal Information

Email: selcanguler@hacettepe.edu.tr

Education Information

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 2007 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Aort onarımı için deselülerize ve hibrit matrikslerin geliştirilmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik (YI) (Tezli), 2016

Research Areas

Medicine, Health Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik (Dr), 2014 - Continues

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

- I. **Use of cyclic strain bioreactor for the upregulation of key tenocyte gene expression on Poly(glycerol-sebacate) (PGS) sheets**
Deniz P., GÜLER S., Celik E., Hosseinian P., AYDIN H. M.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.106, 2020 (Journal Indexed in SCI)
- II. **Evaluation of collagen foam, poly(L-lactic acid) nanofiber mesh, and decellularized matrices for corneal regeneration**
Aslan B., GÜLER S., Tevlek A., AYDIN H. M.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.106, no.6, pp.2157-2168, 2018 (Journal Indexed in SCI)
- III. **Improvement of Decellularization Efficiency of Porcine Aorta Using Dimethyl Sulfoxide as a Penetration Enhancer**
GÜLER S., Aydin H. M., Lu L., Yang Y.
ARTIFICIAL ORGANS, vol.42, no.2, pp.219-230, 2018 (Journal Indexed in SCI)
- IV. **Supercritical Carbon Dioxide-Assisted Decellularization of Aorta and Cornea**

GÜLER S., Aslan B., Hosseinian P., AYDIN H. M.

TISSUE ENGINEERING PART C-METHODS, vol.23, no.9, pp.540-547, 2017 (Journal Indexed in SCI)

V. Hybrid Aorta Constructs via In Situ Crosslinking of Poly(glycerol-sebacate) Elastomer Within a Decellularized Matrix ocr v26

GÜLER S., HOSSEINIAN P., AYDIN H. M.

TISSUE ENGINEERING PART C-METHODS, vol.23, no.1, pp.21-29, 2017 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. Comparison of Biopolymeric, Synthetic and Natural Derived Corneal Constructs**
Aslan B., GÜLER S., Tevlek A., AYDIN H. M.
28th European Society for Biomaterials Congress, 4 - 08 September 2017
- II. Enhancing Mechanical Properties of Decellularized Aortae via in situ Polymerization**
GÜLER S., hosseinian p., AYDIN H. M.
8th National Biomechanics congress with International Participation, 19 - 23 October 2016
- III. Preparation of Poly glycerol sebacate PGS Decellularized Aorta Composites**
GÜLER S., pezhman h., AYDIN H. M.
XXV International Materials Research Congress, 16 - 20 August 2016
- IV. Synthesis of Gelatine Methacrylate Hydrogels as Cell Carriers**
körper d., hosseinian p., GÜLER S., DUMAN M., AYDIN H. M.
9. Meeting of Scandinavian Society of Biomaterials, 30 May - 04 June 2016
- V. Supercritical Carbon Dioxide scCO₂ Assisted Decellularization of Aorta**
GÜLER S., AYDIN H. M.
26th European Conference on Biomaterials, 31 August - 03 September 2014

Supported Projects

AYDIN H. M. , UYANIKLAR M., GÜLER S., Project Supported by Higher Education Institutions, Kornea Onarımı İçin Hibrit Materyal, 2018 - 2018

VARGEL İ., GÜLER S., AYDIN H. M. , TEVLEK A., ASLAN B., Project Supported by Higher Education Institutions, Biyopolimerik Sentetik ve Doğal Kaynaklı Korneal Yapıların Karşılaştırılması, 2017 - 2018

AYDIN H. M. , GÜLER S., Project Supported by Higher Education Institutions, Poli(gliseroöl-sebakat)-Aselüler Aort Kompozit Damar Greftlerinin Üretimi, 2015 - 2016

Citations

Total Citations (WOS):50

h-index (WOS):4