

Asst. Prof. MUSTAFA ŐENGÖR

Personal Information

Email: mustafa.sengor@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/8387>

Education Information

Doctorate, Bogazici University, Institute Of Science, Turkey 2013 - 2019

Postgraduate, Bogazici University, Institute Of Science, Turkey 2010 - 2013

Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2005 - 2010

Dissertations

Doctorate, CORE-SHELL PVA/GELATIN NANOFIBROUS SCAFFOLDS USING MULTINOZZLE AQUEOUS ELECTROSPINNING, Bogazici University, Institute Of Science, 2019

Postgraduate, Morphological evaluation of 1-site polycrystalline models, Bogazici University, Institute Of Science, 2013

Research Areas

Biomedical Engineering, Mechanical Engineering, Construction and Manufacturing, Mechanical, Metallurgical and Materials Engineering, Ceramic Materials, Polymeric Materials, Biomaterials, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty Of Technology, Metallurgical And Materials Engineering, 2020 - Continues

Academic and Administrative Experience

Deputy Director of the Center, Marmara University, 2020 - Continues

Courses

Sayısal Analiz, Undergraduate, 2020 - 2021

Matematik 2, Undergraduate, 2020 - 2021

Mukavemet, Undergraduate, 2020 - 2021

The History of Science, Undergraduate, 2020 - 2021

Calculus, Undergraduate, 2020 - 2021

Finite Element Analysis, Postgraduate, 2020 - 2021

Statics, Undergraduate, 2020 - 2021

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

- I. **Electrosprayed Collagen/Gentamicin nanoparticles coated microneedle patches for skin treatment**
Mutlu M. E. , Ulag S., ŞENGÖR M., DAĞLILAR S., Narayan R., GÜNDÜZ O.
MATERIALS LETTERS, vol.305, 2021 (Journal Indexed in SCI)
- II. **Recent developments and characterization techniques in 3D printing of corneal stroma tissue**
Ulag S., Uysal E., Bedir T., ŞENGÖR M., EKREN N., ÜSTÜNDAĞ C. B. , Midha S., Kalaskar D. M. , GÜNDÜZ O.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.8, pp.3287-3296, 2021 (Journal Indexed in SCI)
- III. **Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis**
Ulag S., İlhan E., Demirhan R., Sahin A., Yilmaz B., Aksu B., Sengor M., Ficai D., Titu A. M. , Ficai A., et al.
MOLECULES, vol.26, no.9, 2021 (Journal Indexed in SCI)
- IV. **Selenium and clarithromycin loaded PLA-GO composite wound dressings by electrospinning method**
Ciftci F., Ayan S., DUYGULU N., Yilmazer Y., Karavelioglu Z., Vehapi M., ÇAKIR KOÇ R., ŞENGÖR M., YILMAZER H., ÖZÇİMEN D., et al.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2021 (Journal Indexed in SCI)
- V. **Fabrication of tissue-engineered tympanic membrane patches using 3D-Printing technology**
İlhan E., Ulag S., Sahin A., Yilmaz B., Ekren N., Kılıç O., Şengör M., Kalaskar D. M. , Oktar F. N. , Gündüz O.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.114, 2021 (Journal Indexed in SCI)
- VI. **Coaxial and emulsion electrospinning of extracted hyaluronic acid and keratin based nanofibers for wound healing applications**
Su S., Bedir T., Kalkandelen C., Basar A. O. , TÜRKÖĞLÜ ŞAŞMAZEL H., Ustundag C. B. , ŞENGÖR M., GÜNDÜZ O.
European Polymer Journal, vol.142, 2021 (Journal Indexed in SCI Expanded)
- VII. **3D printing of PVA/hexagonal boron nitride/bacterial cellulose composite scaffolds for bone tissue engineering**
Aki D., Ulag S., ÜNAL S., ŞENGÖR M., EKREN N., Lin C., YILMAZER H., ÜSTÜNDAĞ C. B. , Kalaskar D. M. , GÜNDÜZ O.
MATERIALS & DESIGN, vol.196, 2020 (Journal Indexed in SCI)
- VIII. **3D Printed Polycaprolactone/Gelatin/Bacterial Cellulose/Hydroxyapatite Composite Scaffold for Bone Tissue Engineering**
Cakmak A., Unal S., Sahin A., Oktar F. N. , Sengor M., Ekren N., Gunduz O., Kalaskar D.
POLYMERS, vol.12, no.9, 2020 (Journal Indexed in SCI)
- IX. **Aqueous electrospun core/shell nanofibers of PVA/microbial transglutaminase cross-linked gelatin composite scaffolds**
Sengor M., Ozgun A., Gündüz O., Altintas S.
MATERIALS LETTERS, vol.263, 2020 (Journal Indexed in SCI)
- X. **3D Printing of Gelatine/Alginate/beta-Tricalcium Phosphate Composite Constructs for Bone Tissue Engineering**
Kalkandelen C., Ulag S., Ozbek B., Eroglu G. O. , Ozerkan D., Kuruca S. E. , Oktar F. N. , Sengor M., Gündüz O.
CHEMISTRYSELECT, vol.4, no.41, pp.12032-12036, 2019 (Journal Indexed in SCI)
- XI. **Core-shell PVA/gelatin nanofibrous scaffolds using co-solvent, aqueous electrospinning: Toward a green approach**
ŞENGÖR M., Ozgun A., Corapcioglu G., Ipekoglu M., Garipcan B., Ersoy N., Altintas S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.32, 2018 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A novel approach to treat the Thiel-Behnke corneal dystrophy using 3D printed honeycomb-shaped polymethylmethacrylate (PMMA)/Vancomycin (VAN) scaffolds**
Ulag S., ŞAHİN A., Guncu M. M. , AKSU M. B. , EKREN N., ŞENGÖR M., Kalaskar D. M. , GÜNDÜZ O.
Bioprinting, vol.24, 2021 (Refereed Journals of Other Institutions)

II. Evaluation of current diagnostic methods for COVID-19

Alpdağtaş S., İlhan E., Uysal E., ŞENGÖR M., ÜSTÜNDAĞ C. B. , GÜNDÜZ O.
APL BIOENGINEERING, vol.4, no.4, 2020 (Journal Indexed in ESCI)

III. 3D printed bioactive composite scaffolds for bone tissue engineering

Moukbil Y., Isindag B., Gayir V., Ozbek B., Haskoylu M. E. , Oner E. T. , Oktar F. N. , Ikram F., Sengor M., Gündüz O.
Bioprinting, vol.17, 2020 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. 3d Printed Hydroxyapatite-Graphene Substituted Pla Scaffold For Bone Tissue Engineering

Sayın N., Bedir T., ŞENGÖR M., GÜNDÜZ O., Ustundag C. B.
IMSTEC 2020, 16 - 18 October 2020

II. Effect Of Frequency Change In The Horizontal Movement Of The Collector Electrode In Electrospinning

ŞENGÖR M.
SICHEM 2020, Romania, 17 - 18 September 2020

III. Patch-Based Technology for Corneal Microbial Keratitis

Ulag S., İlhan E., Aksu B., ŞENGÖR M., EKREN N., KILIÇ O., GÜNDÜZ O.
8th International Work-Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2020, Granada, Spain,
6 - 08 May 2020, vol.12108 LNBI, pp.194-200

IV. Green Manufacturing of Core-Shell Polyvinyl Alcohol-GelatinElectrospun Nanofiber Scaffolds

ŞENGÖR M., GÜLGÜN M. A.
Green Manufacturing of Core-Shell Polyvinyl Alcohol-GelatinElectrospun Nanofiber Scaffolds, 4 - 06 April 2017

Supported Projects

Şengör M., Gündüz O., TÜBİTAK International Bilateral Joint Cooperation Program Project, 2021 - 2024

Activities in Scientific Journals

Polymers, Special Issue Editor, 2020 - Continues

Scientific Refereeing

JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, June 2019

Citations

Total Citations (WOS):126

h-index (WOS):6