

## Lect. EZGİ ANTMEN ALTUNSOY

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAF-7058-2020

ScopusID: 56586927900

### Research Areas

Biomedical Engineering

### Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2019 - Continues

### Courses

SPECIAL TOPICS IN ES INTRODUCTION TO BIOENGINEERING, Undergraduate, 2019 - 2020

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

- I. **Nuclear Deformability of Breast Cells Analyzed from Patients with Malignant and Benign Breast Diseases**  
Antmen E., Ermis M., Kuren O., Beksac K., Irkkan C., HASIRCI V. N.  
ACS BIOMATERIALS SCIENCE & ENGINEERING, vol.9, pp.1629-1643, 2023 (SCI-Expanded)
- II. **From 3D printing to 3D bioprinting: the material properties of polymeric material and its derived bioink for achieving tissue specific architectures**  
Vrana N. E., Gupta S., Mitra K., Rizvanov A. A., Solovyeva V. V., ANTMEN ALTUNSOY E., Salehi M., Ehterami A., Pourchet L., Barthes J., et al.  
CELL AND TISSUE BANKING, vol.23, no.3, pp.417-440, 2022 (SCI-Expanded)
- III. **In vitro two-step granuloma formation model for testing innate immune response to implants and coatings**  
ANTMEN ALTUNSOY E., Muller C. B., Calligaro C., Dupret-Bories A., Barthes J., Lavalle P., Vrana N. E.  
BIOMATERIALS ADVANCES, vol.138, 2022 (SCI-Expanded)
- IV. **A Cell Culture Chip with Transparent, Micropillar-Decorated Bottom for Live Cell Imaging and Screening of Breast Cancer Cells**

Ermis M., ANTMEN ALTUNSOY E., Kuren O., Demirci U., Hasirci V.

MICROMACHINES, vol.13, no.1, 2022 (SCI-Expanded)

- V. **The role of biomaterials and scaffolds in immune responses in regenerative medicine: macrophage phenotype modulation by biomaterial properties and scaffold architectures**  
ANTMEN ALTUNSOY E., Vrana N. E., HASIRCI V. N.  
BIOMATERIALS SCIENCE, vol.9, no.24, pp.8090-8110, 2021 (SCI-Expanded)
- VI. **Micropatterned Surfaces Expose the Coupling between Actin Cytoskeleton-Lamin/Nesprin and Nuclear Deformability of Breast Cancer Cells with Different Malignancies.**  
Antmen E., Demirci U., Hasirci V.  
Advanced biology, vol.5, 2021 (SCI-Expanded)
- VII. **A two-compartment bone tumor model to investigate interactions between healthy and tumor cells**  
Komez A., Buyuksungur A., Antmen E., Swieszkowski W., HASIRCI N., Hasirci V.  
Biomedical Materials (Bristol), vol.15, no.3, 2020 (SCI-Expanded)
- VIII. **Amplification of nuclear deformation of breast cancer cells by seeding on micropatterned surfaces to better distinguish their malignancies**  
ANTMEN ALTUNSOY E., Demirci U., Hasirci V.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.183, 2019 (SCI-Expanded)
- IX. **Engineered natural and synthetic polymer surfaces induce nuclear deformation in osteosarcoma cells**  
Antmen E., ERMİŞ ŞEN M., Demirci U., HASIRCI V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.107, no.2, pp.366-376, 2019 (SCI-Expanded)
- X. **Micro and Nanofabrication methods to control cell-substrate interactions and cell behavior: A review from the tissue engineering perspective**  
ERMİŞ ŞEN M., Antmen E., HASIRCI V. N.  
BIOACTIVE MATERIALS, vol.3, no.3, pp.355-369, 2018 (SCI-Expanded)
- XI. **CONTRIBUTION OF PHYSICAL FORCES ON THE DESIGN OF BIOMIMETIC TISSUE SUBSTITUTES**  
Ermis M., Baran E. T., Dursun T., Antmen E., Hasirci V.  
BIO-INSPIRED MATERIALS FOR BIOMEDICAL ENGINEERING, pp.59-76, 2014 (SCI-Expanded)

## Metrics

Publication: 12

Citation (WoS): 163

Citation (Scopus): 34

H-Index (WoS): 4

H-Index (Scopus): 2