



## Sena Yaman

Postdoctoral Scholar, Molecular Imaging Program at Stanford

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Izmir Institute of Technology , Bioengineering (2020)
- Master of Science, Middle East Technical University (2014)
- Bachelor of Science, Ege University (2011)

#### STANFORD ADVISORS

- Gozde Durmus, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Portable Optofluidic Device for Dynamic Binding Analysis in Field-Settings**  
Kurul, F., Avci, M., Yaman, S., Topkaya, S., Cetin, A. E., Altug, H., Moreau, J.  
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **Handheld optofluidic platform towards binding dynamics applications in field-settings** *SENSORS AND ACTUATORS A-PHYSICAL*  
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- **Levitational 3D Bioassembly and Density-Based Spatial Coding of Levitoids** *ADVANCED FUNCTIONAL MATERIALS*  
Moncal, K., Yaman, S., Durmus, N.  
2022
- **Size and density measurements of single sickle red blood cells using microfluidic magnetic levitation.** *Lab on a chip*  
Goreke, U., Bode, A., Yaman, S., Gurkan, U. A., Durmus, N. G.  
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- **HologLev: A Hybrid Magnetic Levitation Platform Integrated with Lensless Holographic Microscopy for Density-Based Cell Analysis** *ACS SENSORS*  
Delikoyun, K., Yaman, S., Yilmaz, E., Sarigil, O., Anil-Inevi, M., Telli, K., Yalcin-Ozuysal, O., Ozcivici, E., Tekin, H.  
2021; 6 (6): 2191-2201
- **Magnetic Susceptibility-Based Protein Detection Using Magnetic Levitation** *ANALYTICAL CHEMISTRY*  
Yaman, S., Tekin, H.  
2020; 92 (18): 12556-12563
- **Magnetic Force-Based Micro fluidic Techniques for Cellular and Tissue Bioengineering** *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*  
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- **Biofabrication of in situ Self Assembled 3D Cell Cultures in a Weightlessness Environment Generated using Magnetic Levitation** *SCIENTIFIC REPORTS*

Anil-Inevi, M., Yaman, S., Yildiz, A., Mese, G., Yalcin-Ozuysal, O., Tekin, H., Ozcivici, E.

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- **Beet molasses-based feeding strategy enhances recombinant thermostable glucose isomerase production by Escherichia coli BL21 (DE3)** *BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY*

Yaman, S., Calik, P.

2017; 64 (6): 944-954

- **Synthesis of adsorbents with dendronic structures for protein hydrophobic interaction chromatography** *JOURNAL OF CHROMATOGRAPHY A*

Mata-Gomez, M. A., Yaman, S., Valencia-Gallegos, J. A., Tari, C., Rito-Palomares, M., Gonzalez-Valdez, J.

2016; 1443: 191-200