

Ferhat SADAK

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Bartın Üniversitesi

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EĐİTİM BİLGİLERİ

- Doktora : University of Birmingham – Makine Mühendisliđi, 2021
- Yüksek Lisans : University of Birmingham - Makine Mühendisliđi, 2016
- Lisans : Dumlupınar Üniversitesi - Makine Mühendisliđi, 2013

ÜN VAN

- 2021- Halen Öğretim görevlisi Dr. Makine Mühendisliđi, Bartın Üniversitesi, Bartın, TÜRKİYE

YAYINLANMIŞ MAKALELER

- **Sadak, F.**, Saadat, M., & Hajiyavand, A. M. (2020). Real-time deep learning-based image recognition for applications in automated positioning and injection of biological cells. *Computers in Biology and Medicine*, 125, 103976.
- **Sadak, F.**, Saadat, M., & Hajiyavand, A. M. (2019). Vision-based sensor for three-dimensional vibrational motion detection in biological cell injection. *Sensors*, 19(23), 5074.
- **Sadak, F.**, Saadat, M., & Hajiyavand, A. M. (2019). Three-Dimensional Auto-Alignment of the ICSI Pipette. *IEEE Access*, 7, 99360-99370.
- Hajiyavand, A. M., Saadat, M., Abena, A., **Sadak, F.**, & Sun, X. (2019). Effect of injection speed on oocyte deformation in ICSI. *Micromachines*, 10(4), 226.

ÜNİVERSİTE DIŐI DENEYİMLER

- University of Birmingham, Arařtırma görevlisi, 01/2017 – 01/2020

SUNDUĐU BİLDİRİLER

- **Sadak, F.**, Saadat, M., & Hajiyavand, A. M. (2020, November). A Vision-guided Methodology for the Automation of Biological Cell Injection. In *2020 2nd International Conference on Electrical, Control and Instrumentation Engineering (ICECIE)* (pp. 1-9). IEEE.
- Tsui, H. H., **Sadak, F.**, Saadat, M., & Hajiyavand, A. M. (2020, November). Investigation of the Effect of Physical Injection Parameters on Biological Cell Deformation. In *2020 2nd International Conference on Electrical, Control and Instrumentation Engineering (ICECIE)* (pp. 1-6). IEEE.
- Tsui, H. H., Griffiths, C., Sadaat, M., **Sadak, F.**, & Hajiyavand, A. M. (2020, November). A Methodology for Developing Real-time Interface Protocol for Industrial Robots using LabVIEW.

In *2020 2nd International Conference on Electrical, Control and Instrumentation Engineering (ICECIE)* (pp. 1-5). IEEE.

- **Sadak, F.**, Saadat, M., Hajiyavand, A. M., & Nomicos, G. (2018, July). Vibrational Analysis During Cell Injection in ICSI Operation. In *2018 International Conference on Manipulation, Automation and Robotics at Small Scales (MARSS)* (pp. 1-6). IEEE.

ÖDÜLLER

- Best student paper award on International Conference on Manipulation, Automation and Robotics at small scales in Nagoya, Japan, 2018
- Milli Eğitim Bakanlığı yurt dışı lisansüstü öğrenim bursu

SERTİFİKA

- The Associate fellow Higher Education Futures Institute certificates, United Kingdom, 2019