

## Res. Asst. FATMA ÇELEBİ

### Personal Information

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### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Computer Vision, Computer Learning, Pattern Recognition and Image Processing

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

- I. **Improved senescent cell segmentation on bright-field microscopy images exploiting representation level contrastive learning**  
ÇELEBİ F., Boyvat D., Ayaz-Guner S., Tasdemir K., İÇÖZ K.  
International Journal of Imaging Systems and Technology, vol.34, no.2, 2024 (SCI-Expanded)
- II. **Deep learning based semantic segmentation and quantification for MRD biochip images**  
ÇELEBİ F., TAŞDEMİR K., İÇÖZ K.  
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.77, 2022 (SCI-Expanded)
- III. **Image-analysis based readout method for biochip: Automated quantification of immunomagnetic beads, micropads and patient leukemia cell**  
Uslu F., İÇÖZ K., TAŞDEMİR K., DOĞAN R. S., YILMAZ B.  
MICRON, vol.133, 2020 (SCI-Expanded)
- IV. **Automated quantification of immunomagnetic beads and leukemia cells from optical microscope images**  
Uslu F., İÇÖZ K., TAŞDEMİR K., YILMAZ B.  
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.49, pp.473-482, 2019 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Image-processing based signal readout method for MRD biochip MRD BiyoçIP İçin Görüntü İşleme Temelli Sinyal Elde Etme Metodu**  
uslu F., İÇÖZ K., TAŞDEMİR K.  
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019

### Metrics

Publication: 5

Citation (WoS): 17

Citation (Scopus): 30

H-Index (WoS): 2

H-Index (Scopus): 2