

## Lect. Yasemin TOPUZ

### Personal Information

Web: <https://avesis.yildiz.edu.tr/ytopuz>

### International Researcher IDs

ORCID: 0000-0001-8008-3448

Yoksis Researcher ID: 262028

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Mühendisliği, Turkey  
2019 - Continues

Postgraduate, Marmara University, Ataturk Faculty Of Education, Computer And Educational Technology, Turkey 2014 -  
2018

Undergraduate, Marmara University, Ataturk Faculty Of Education, Bilgisayar Ve Öğretim Teknolojileri Eğitimi, Turkey  
2010 - 2014

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Anatomi Eğitiminde Sanal Gerçeklik ve Üç Boyutlu Masaüstü Materyallerin Akademik Başarı ve Bilişsel Yük  
Açısından Karşılaştırılması, Marmara Üniversitesi, Eğitim Bilimleri Enstitüsü, Bilgisayar Ve Öğretim Teknolojileri Eğitimi,  
2018

### Research Areas

Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Human  
Computer Interaction, Pattern Recognition and Image Processing, Neural Networks, Engineering and Technology

### Academic Titles / Tasks

Lecturer, Yildiz Technical University, Rectorate, Rectorate, 2019 - Continues

Lecturer, Istanbul Bilgi University, Vocational School, Bilgisayar Teknolojileri, 2018 - 2019

Lecturer, Beykoz University, Beykoz Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2017 - 2019

### Academic and Administrative Experience

Beykoz Üniversitesi, 2017 - 2019

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

- I. **ConvNext Mitosis Identification—You Only Look Once (CNMI-YOLO): Domain Adaptive and Robust Mitosis Identification in Digital Pathology**  
TOPUZ Y., Yıldız S., VARLI S.  
Laboratory Investigation, vol.104, no.10, 2024 (SCI-Expanded)
- II. **Elevating healthcare through artificial intelligence: analyzing the abdominal emergencies data set (TR\_ABDOMEN\_RAD\_EMERGENCY) at TEKNOFEST-2022**  
Koç U., SEZER E., Özkaya Y. A., Yarbay Y., Beşler M. S., Taydaş O., YALÇIN A., Evrimler Ş., Kızıoğlu H. A., Kesimal U., et al.  
European Radiology, vol.34, no.6, pp.3588-3597, 2024 (SCI-Expanded)

## Books & Book Chapters

- I. **Tıp Eğitiminde Sanal Gerçeklik Teknolojisi**  
Topuz Y., Özdener N.  
in: Değişen Dünyada Eğitim, Dinçer S., Editor, Pegem Akademi, Ankara, pp.225-256, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Epidermis Segmentation in Melanoma Whole Slide Images: A Comparative Analysis of Deep Learning Architectures**  
Gokcan M. T., TOPUZ Y., VARLI S.  
18th International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2024, Craiova, Romania, 4 - 06 September 2024
- II. **Performance analysis of the YOLO series for object detection: Detection of mitosis cells in histopathology images**  
Topuz Y., Yıldız S., Varlı S.  
2023 Medical Technologies Congress, Gazimagusa, Cyprus (Kkct), 10 - 12 November 2023, pp.1-4
- III. **Virtual reality technology in anatomy education**  
Topuz Y., Özdener N.  
19th National Anatomy Congress & 1st International Mediterranean Anatomy Congress, Konya, Turkey, 06 September 2018, vol.12, pp.140
- IV. **Virtual Reality Applications in Education: The Case of The Faculty of Medicine**  
Topuz Y., Özdener Dönmez N.  
27th International Congress on Educational Sciences, Antalya, Turkey, 18 April 2018
- V. **Bilişim teknolojileri öğretmen adaylarının lisans eğitimlerine ilişkin memnuniyet düzeylerinin gelecek beklentilerine etkisi**  
Topuz Y., Kulaksız T., Geriş A.  
VII. International Congress of Educational Research, Muğla, Turkey, 28 May 2015
- VI. **Eğitim Fakültesi Öğretim Elemanlarının Aday Öğretmenlikten Asil Öğretmenliğe Geçiş Sürecine Yönelik Görüşlerinin İncelenmesi**  
Topuz Y.  
VII. International Congress of Educational Research, Muğla, Turkey, 28 May 2015

## Supported Projects

Topuz Y., R&D Project of Group B, Tumor Stage Prediction and Mitosis Detection with Deep Learning in Melanoma Histopathology Images, 2022 - 2024

Topuz Y., Özdener Dönmez N., Project Supported by Higher Education Institutions, Eğitimde Üç Boyutlu Uygulamalar ile

## **Metrics**

Publication: 9

## **Non Academic Experience**

Other Public Institution, Marmara Üniversitesi

Marmara Üniversitesi

Business Establishment Private, İstanbul Amerikan Robert Kolej