

Asst. Prof. MEHMET SÜLEYMAN YILDIRIM

Personal Information

Office Phone: [+90 228 214 1662](tel:+902282141662)

Email: mehmets.yildirim@bilecik.edu.tr

Web: <https://avesis.bilecik.edu.tr/mehmets.yildirim>

International Researcher IDs

ScholarID: RTxlua0AAAAJ

ORCID: 0000-0002-3998-1542

Publons / Web Of Science ResearcherID: AAG-9901-2021

ScopusID: 57205611805

Yoksis Researcher ID: 41802

Education Information

Doctorate, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Mühendisliği (Dr), Turkey
2019 - 2022

Undergraduate, Bilecik Seyh Edebali University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2017 -
2019

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), Turkey
2006 - 2009

Undergraduate, Suleyman Demirel University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey
2001 - 2005

Dissertations

Doctorate, MR taramaları üzerinde derin öğrenme modelleri kullanılarak multipl skleroz lezyonlarının otomatik tespiti ve değişiminin takibi, Bilecik Seyh Edebali University, FEN BİLİMLERİ ENSTİTÜSÜ, Elektronik Ve Bilgisayar Mühendisliği (Dr), 2022

Postgraduate, Lojik denklem sadeleştirmeleri için internet temelli ölçme sistemi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), 2009

Research Areas

Image and Video Processing, Computer Vision, Computer Learning, Pattern Recognition and Image Processing,
Biomedical Image Processing

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2021 - Continues

Bilecik Seyh Edebali University, 2020 - Continues

Bilecik Seyh Edebali University, 2014 - 2016

Courses

Temel Bilgi Teknolojileri, Associate Degree, 2022 - 2023

Nesne Yönelimli Programlama, Associate Degree, 2022 - 2023, 2021 - 2022, 2017 - 2018

Web Tasarımının Temelleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Bilgisayar Programlama I, Undergraduate, 2022 - 2023, 2021 - 2022

Programlamanın Temelleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Web Programcılığı, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Programlama Dilleri, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Bilgisayar Programlama II, Undergraduate, 2021 - 2022

Nesne Yönelimli Programlama ile Uygulama Geliştirme, Associate Degree, 2020 - 2021

Proje Tasarımı ve Uygulaması, Associate Degree, 2020 - 2021, 2019 - 2020

Grafik ve Animasyon, Associate Degree, 2020 - 2021, 2019 - 2020

İleri Web Programlama, Associate Degree, 2020 - 2021, 2019 - 2020

Temel Bilgi Teknolojisi Kullanımı, Associate Degree, 2019 - 2020

İŞLETİM SİSTEMLERİ, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

İNTERNET PROGRAMCILIĞI I, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2005 - 2006

İNTERNET PROGRAMCILIĞI II, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006

Görsel Programlama II, Associate Degree, 2008 - 2009, 2006 - 2007, 2005 - 2006

Görsel Programlama I, Associate Degree, 2007 - 2008, 2006 - 2007, 2005 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Automated liver segmentation using Mask R-CNN on computed tomography scans Bilgisayarli tomografi taramalari üzerinde maskeli bölgesel-evrimsel sinir ağlari ile karaciğerin otomatik bölütlenmesi**

DANDIL E., YILDIRIM M. S., SELVİ A. O., Uzun S.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.37, no.1, pp.29-46, 2022 (SCI-Expanded)

- II. **Automatic detection of multiple sclerosis lesions using mask R-CNN on magnetic resonance scans**
YILDIRIM M. S., DANDIL E.

IET Image Processing, vol.14, no.16, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Hybrid Method Based on Feature Fusion for Breast Cancer Classification using Histopathological Images**

DANDIL E., SELVİ A. O., ÇEVİK K. K., YILDIRIM M. S., UZUN S.

Avrupa Bilim ve Teknoloji Dergisi, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Fully Automated Segmentation of Brain Stroke Lesions Using Mask Region- Based Convolutional Neural Network**

DANDIL E., YILDIRIM M. S.

in: Diagnosis of Neurological Disorders Based on Deep Learning Techniques, Chaki Jyotismita, Editor, CRC Press

(Taylor & Francis Group, LLC), pp.113, 2023

II. Detection of Breast Cancer Using Deep Neural Networks with Transfer Learning on Histopathological Images

ÇEVİK K. K., DANDIL E., UZUN S., SELVİ A. O., YILDIRIM M. S.

in: Artificial Intelligence for Data-Driven Medical Diagnosis, Deepak Gupta, Utku Kose, Bao Le Nguyen, Siddhartha Bhattacharyya, Editor, Walter de Gruyter GmbH, Berlin, pp.245-264, 2021

III. Detection of breast cancer using deep neural networks with transfer learning on histopathological images

ÇEVİK K. K., DANDIL E., UZUN S., YILDIRIM M. S., SELVİ A. O.

in: Artificial Intelligence for Data-Driven Medical Diagnosis, Deepak Gupta, Utku Kose, Bao Le Nguyen, Siddhartha Bhattacharyya, Editor, Walter de Gruyter GmbH & Co KG, pp.245-264, 2021

Refereed Congress / Symposium Publications in Proceedings

I. Fully automated axial plane segmentation of cervical spinal cord using U-Net in MR scans

POLATTİMUR R., DANDIL E., YILDIRIM M. S., ŞENOL A. U., TEZEL MERSİNLİOĞLU Z. E., SELVİ A. O., CANBAZ KABAY S.

7th International Symposium on Innovative Approaches in Smart Technologies, 23 November 2023, pp.1-7

II. Automatic Segmentation of COVID-19 Infection on Lung CT Scans using Mask R-CNN

DANDIL E., YILDIRIM M. S.

4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2022, Ankara, Turkey, 9 - 11 June 2022

III. Automated Multiple Sclerosis Lesion Segmentation on MR Images via Mask R-CNN

YILDIRIM M. S., DANDIL E.

2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 21 October 2021

IV. A Hybrid Method Based on Feature Fusion for Breast Cancer Classification using Histopathological Images

DANDIL E., SELVİ A. O., ÇEVİK K. K., YILDIRIM M. S., UZUN S.

5th International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 21 - 23 October 2021, pp.23

V. A Mask R-CNN based approach for automatic lung segmentation in computed tomography scans

DANDIL E., YILDIRIM M. S.

2021 International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2021, Kocaeli, Turkey, 25 - 27 August 2021

VI. DeepMSWeb: A Web-Based Decision Support System via Deep Learning for Automatic Detection of MS Lesions

YILDIRIM M. S., DANDIL E.

2nd International Informatics and Software Engineering Conference, IISEC 2021, Ankara, Turkey, 16 - 17 December 2021

VII. Daha Hızlı Bölgesel-Evrşimsel Sinir Ağları Kullanarak Akciğer Nodüllerinin Tespiti

DANDIL E., YILDIRIM M. S.

2nd International Conference on Data Science and Applications (ICONDATA'19), Balıkesir, Turkey, 3 - 06 October 2019, pp.126-132

VIII. Web Based Animal Tracker System

YILDIRIM M. S., SELVİ A. O., DANDIL E.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2018, Kizilcahamam, Ankara, Turkey, 19 - 21 October 2018

IX. BÜRO TEKNOLOJİLERİNİN KULLANIMI BİLECİK ŞEYH EDEBALI ÜNİVERSİTESİ SÖĞÜT MESLEK

YÜKSEKOKULU BÜRO YÖNETİMİ VE YÖNETİCİ ASİSTANLIĞI PROGRAMI ÖĞRENCİLERİ ÜZERİNE BİR

ARAŐTIRMA

YEŐİL Y., YILDIRIM M. S., TOKBAŐ M.

XIV. ULUSAL BÜRO YÖNETİMİ VE SEKRETERLİK KONGRESİ, 8 - 10 October 2015

X. User Interface for Testing Heuristic Algorithms

YILDIRIM M. S., KARAKUZU C., Yıldırım Ö.

The 15th Workshop of the EURO Working Group EU/ME: The Metaheuristic Community, İstanbul, Turkey, 24 - 25 March 2014, pp.127-131

Supported Projects

YILDIRIM M. S., DANDIL E., URFALI F. E., URFALI M., SELVİ A. O., Project Supported by Higher Education Institutions, BT Taramalarından Akciğer Kanseriinde EGFR Mutasyon Durumunun Derin Öğrenme Yöntemleri İle Tahmini, 2023 - 2024