

## **Personal Information**

**Email:** onurpolat@gazi.edu.tr

**Web:** <https://avesis.gazi.edu.tr/onurpolat>

## **International Researcher IDs**

ORCID: 0000-0001-9313-4910

Yoksis Researcher ID: 53515

## **Education Information**

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2017 - 2019

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Azerbaijan Teknik Üniversitesi, Bilgisayar Mühendisliği, Azerbaijan 2005 - 2010

## **Foreign Languages**

English, C1 Advanced

## **Dissertations**

Postgraduate, Yazılım tanımlı ağlarda DoS saldırılarının tespiti ve engellenmesi, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2017

## **Research Areas**

Engineering and Technology

## **Academic Titles / Tasks**

Research Assistant, Gazi University, Fen Bilimleri Enstitüsü, 2014 - Continues

Research Assistant, Bingöl University, Faculty Of Engineering-Architecture, Department Of Computer Engineering, 2013 - Continues

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

- I. **ResMIBCU-Net: an encoder-decoder network with residual blocks, modified inverted residual block, and bi-directional ConvLSTM for impacted tooth segmentation in panoramic X-ray images**  
Imak A., Çelebi A., POLAT O., Türkoğlu M., Şengür A.  
Oral Radiology, vol.39, no.4, pp.614-628, 2023 (SCI-Expanded)
- II. **Recognition of DDoS attacks on SD-VANET based on combination of hyperparameter optimization and feature selection**

Turkoglu M., POLAT H., KOÇAK C., POLAT O.

EXPERT SYSTEMS WITH APPLICATIONS, vol.203, 2022 (SCI-Expanded)

- III. **A novel approach for accurate detection of the DDoS attacks in SDN-based SCADA systems based on deep recurrent neural networks**

POLAT H., Türkoğlu M., POLAT O., Şengür A.

Expert Systems with Applications, vol.197, 2022 (SCI-Expanded)

- IV. **Deep network approach with stacked sparse autoencoders in detection of DDoS attacks on SDN-based VANETInspec keywordsOther keywords**

Polat H., Turkoglu M., Polat O.

IET COMMUNICATIONS, vol.14, no.22, pp.4089-4100, 2020 (SCI-Expanded)

- V. **Detecting DDoS Attacks in Software-Defined Networks Through Feature Selection Methods and Machine Learning Models**

Polat H., Polat O., Çetin A.

SUSTAINABILITY, vol.12, no.3, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **AN INTELLIGENT SOFTWARE DEFINED NETWORKING CONTROLLER COMPONENT TO DETECT AND MITIGATE DENIAL OF SERVICE ATTACKS**

Polat H., Polat O.

JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY, vol.20, no.1, pp.57-81, 2021 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Performance Analysis of Between Software Defined Wireless Network and Mobile Ad Hoc Network Under DoS Attack**

Polat H., Söğüt E., Polat O., Erdem O. A.

2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019

- II. **The Effects of DoS Attacks on ODL and POX SDN Controllers**

POLAT H., POLAT O.

2017 8th International Conference on Information Technology (ICIT), Amman, Jordan, Jordan, 17 - 18 May 2017, pp.554-558

- III. **Distributed denial of service attacks against SDN controllers**

POLAT H., POLAT O.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

## Metrics

Publication: 9

Citation (WoS): 124

Citation (Scopus): 201

H-Index (WoS): 4

H-Index (Scopus): 4