

## Asst. Prof. ALPER ÖZCAN

### Personal Information

**Email:** alperozcan@akdeniz.edu.tr

**Web:** <https://avesis.akdeniz.edu.tr/alperozcan>

### International Researcher IDs

ORCID: 0000-0002-5999-1203

Publons / Web Of Science ResearcherID: IQR-9870-2023

Yoksis Researcher ID: 323414

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2011 - 2017

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2007 - 2010

Undergraduate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği, Turkey 2002 - 2007

### Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Engineering, Department of Computer Engineering, 2021 - Continues

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

- I. **Hierarchical multi-head attention LSTM for polyphonic symbolic melody generation**  
Kasif A., SEVGİN S., ÖZCAN A., ÇATAL Ç.  
Multimedia Tools and Applications, vol.83, no.10, pp.30297-30317, 2024 (SCI-Expanded)
- II. **Deep learning-based modelling of pyrolysis**  
ÖZCAN A., Kasif A., SEVGİN İ. V., Catal C., Sanwal M., MERDUN H.  
Cluster Computing, vol.27, no.1, pp.1089-1108, 2024 (SCI-Expanded)
- III. **Identification of the molecular etiology in rare congenital hemolytic anemias using next-generation sequencing with exome-based copy number variant analysis**  
Isik E., Aydinok Y., Albayrak C., Durmus B., Karakas Z., Orhan M. F., SARPER N., Aydın S., Unal S., Oymak Y., et al.  
European Journal of Haematology, 2024 (SCI-Expanded)
- IV. **Determining optimal paths of virtual links in Avionics Full-Duplex Switched Ethernet networks using modified ant colony optimization algorithm**  
Bayram O. B., ÖZCAN A.  
Expert Systems with Applications, vol.229, 2023 (SCI-Expanded)
- V. **Structural and topological guided GCN for link prediction in temporal networks**  
Sserwadda A., ÖZCAN A., Yaslan Y.  
Journal of Ambient Intelligence and Humanized Computing, vol.14, no.7, pp.9667-9675, 2023 (SCI-Expanded)

- VI. **A hybrid DNN-LSTM model for detecting phishing URLs**  
Ozcan A., Catal C., DÖNMEZ E., Senturk B.  
NEURAL COMPUTING & APPLICATIONS, vol.35, no.7, pp.4957-4973, 2023 (SCI-Expanded)
- VII. **Analysis of cyber security knowledge gaps based on cyber security body of knowledge**  
Catal C., ÖZCAN A., Donmez E., Kasif A.  
Education and Information Technologies, vol.28, no.2, pp.1809-1831, 2023 (SSCI)
- VIII. **Topological Similarity and Centrality Driven Hybrid Deep Learning for Temporal Link Prediction**  
Sserwadda A., ÖZCAN A., Yaslan Y.  
Journal of Universal Computer Science, vol.29, no.5, pp.470-490, 2023 (SCI-Expanded)
- IX. **Non-exercise-based racing time prediction of cross-country skiers using machine learning methods combined with Relief-F feature selection**  
ABUT F., AKAY M. F., Daneshvar S., ÖZCAN A., Heil D.  
Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2023 (SCI-Expanded)
- X. **ACO-based approach for integrating product lifecycle management with MRO services in aviation industry**  
Guraksin A. M., ÖZCAN A.  
Soft Computing, vol.27, no.1, pp.337-361, 2023 (SCI-Expanded)
- XI. **A hybrid DenseNet121-UNet model for brain tumor segmentation from MR Images**  
Cinar N., ÖZCAN A., Kaya M.  
Biomedical Signal Processing and Control, vol.76, 2022 (SCI-Expanded)
- XII. **Energy Load Forecasting Using a Dual-Stage Attention-Based Recurrent Neural Network**  
ÖZCAN A., Catal C., Kasif A.  
SENSORS, vol.21, no.21, 2021 (SCI-Expanded)
- XIII. **Malware Detection Based on Graph Attention Networks for Intelligent Transportation Systems**  
Catal C., GÜNDÜZ H., ÖZCAN A.  
ELECTRONICS, vol.10, no.20, 2021 (SCI-Expanded)
- XIV. **Assessment of environmental factors affecting software reliability: A survey study**  
ÖZCAN A., ÇATAL Ç., TOĞAY C., Tekinerdoğan B., DÖNMEZ E.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.28, no.4, pp.1841-1858, 2020 (SCI-Expanded)
- XV. **Link prediction in evolving heterogeneous networks using the NARX neural networks**  
Ozcan A., Öğüdücü Ş.  
Knowledge and Information Systems, vol.55, no.2, pp.333-360, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Applying Graph Convolution Networks to Recommender Systems based on graph topology**  
ÖZCAN A.  
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.13, no.2, pp.205-211, 2022 (Peer-Reviewed Journal)
- II. **Bacterial Disease Detection for Pepper Plant by Utilizing Deep Features Acquired from DarkNet-19 CNN Model**  
ÖZCAN A., DÖNMEZ E.  
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.12, no.4, pp.573-579, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Sentiment-enhanced Neural Collaborative Filtering Models Using Explicit User Preferences**

Dursun C., ÖZCAN A.

5th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2023, İstanbul, Turkey, 8 - 10 June 2023

**II. Deep Hotel Recommender System Using Aspect-based Sentiment Analysis of Users' Reviews**

ÖZCAN A., Emiral B., Cetin A. B.

26th International Conference on Pattern Recognition, ICPR 2022, Montreal, Canada, 21 - 25 August 2022, vol.2022-August, pp.3090-3096

**III. Hierarchical and Centrality driven Polypharmacy Side Effect Prediction Model**

Sserwadda A., ÖZCAN A., Yaslan Y.

7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.384-387

**IV. Using Supervised Machine Learning Algorithms For Drug Target Interaction Prediction**

Yildiz N. F., ÖZCAN A.

2022 Innovations in Intelligent Systems and Applications Conference, ASYU 2022, Antalya, Turkey, 7 - 09 September 2022

## **Metrics**

Publication: 21

Citation (Scopus): 25

H-Index (Scopus): 1