

# Res. Asst. PhD AHMET SELMAN BOZKIR



## Personal Information

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### International Researcher IDs

ScholarID: BokxWTcAAAAJ

ORCID: 0000-0003-4305-7800

Publons / Web Of Science ResearcherID: A-3001-2011

ScopusID: 36607537400

Yoksis Researcher ID: 182450

## Education Information

2009 - 2016	Doctorate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey
2007 - 2011	Postgraduate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey
2002 - 2006	Undergraduate, Eskisehir Osmangazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey

## Foreign Languages

English, C1 Advanced German, B1 Intermediate

## Dissertations

2016	Web sayfalarının görsel ve yapısal benzerliklerinin incelendiği ve indekslendiği bir arama motorunun tasarımı ve gerçekleştirimi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Doctorate
2009	OLAP ve veri madenciliği teknolojilerinden yararlanılarak web tabanlı bir karar destek sisteminin gerçekleştirilmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Postgraduate

## Research Areas

Computer Sciences, algorithms, Simulation and Modelling, Computer Vision, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Human Computer Interaction, Engineering and Technology

## Academic Titles / Tasks

2006 - Continues	Research Assistant, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü
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## Courses

2018 - 2019	Computer Programming, Undergraduate
2018 - 2019	Occupational Health and Safety II, Undergraduate

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

- I. **Catch them alive: A malware detection approach through memory forensics, manifold learning and computer vision**  
BOZKIR A. S. , Tahillioğlu E., AYDOS M., Kara I.  
COMPUTERS & SECURITY, vol.103, 2021 (SCI-Expanded)
- II. **LogoSENSE: A companion HOG based logo detection scheme for phishing web page and E-mail brand recognition**  
BOZKIR A. S. , AYDOS M.  
COMPUTERS & SECURITY, vol.95, 2020 (SCI-Expanded)
- III. **EXPLORING RELATIONS AMONG PRE-SERVICE SCIENCE TEACHERS' MOTIVATIONAL BELIEFS, LEARNING STRATEGIES AND CONSTRUCTIVIST LEARNING ENVIRONMENT PERCEPTIONS THROUGH UNSUPERVISED DATA MINING**  
KINGIR S., GÖK B., BOZKIR A. S.  
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.19, no.5, pp.804-823, 2020 (SSCI)
- IV. **Layout-based computation of web page similarity ranks**  
BOZKIR A. S. , Sezer E. A.  
INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES, vol.110, pp.95-114, 2018 (SCI-Expanded)
- V. **FUAT - A fuzzy clustering analysis tool**  
BOZKIR A. S. , Sezer E. A.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.842-849, 2013 (SCI-Expanded)
- VI. **Assessment of Landslide Susceptibility by Decision Trees in the Metropolitan Area of Istanbul, Turkey**  
Nefeslioglu H. A. , SEZER E., GÖKÇEOĞLU C., BOZKIR A. S. , Duman T. Y.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Analysing teachers' and prospective teachers' views on the use of the instruments of information and communication technology through data mining**  
CAN ARAN Ö., BOZKIR A. S. , GÖK B., YAĞCI E.  
IJATE, 2019 (Peer-Reviewed Journal)
- II. **Analyzing the Views of Teachers and Prospective Teachers on Information and Communication Technology via Descriptive Data Mining**  
Aran Ö., BOZKIR A. S. , GÖK B., YAĞCI E.  
INTERNATIONAL JOURNAL OF ASSESSMENT TOOLS IN EDUCATION, vol.6, no.2, pp.314-329, 2019 (ESCI)
- III. **Identifying the Factors Affecting Science and Mathematics Achievement Using Data Mining Methods**  
KIRAY S. A. , GÖK B., BOZKIR A. S.  
Journal of Education in Science, Environment and Health (JESEH), vol.1, pp.29-50, 2015 (Peer-Reviewed Journal)
- IV. **A new web based data mining exploration and reporting tool for decision makers**  
BOZKIR A. S. , SEZER E.  
Artificial Intelligence Research, vol.2, pp.70-89, 2013 (Peer-Reviewed Journal)
- V. **Profiling of sunk cost industries by soft clustering techniques Turkey case**  
ARVAS M. A. , BOZKIR A. S.  
Int. J. Industrial and Systems Engineering, vol.15, pp.290-303, 2013 (Scopus)

## Books & Book Chapters

- I. **SimiLay: A Developing Web Page Layout Based Visual Similarity Search Engine**  
Bozkır A. S., Sezer E.  
in: Machine Learning and Data Mining in Pattern Recognition, Petra Perner, Editor, Springer-Verlag, Berlin, pp.457-470, 2014
- II. **Identification of User Patterns in Social Networks by Data Mining Techniques: Facebook Case**  
BOZKIR A. S., MAZMAN S. G., SEZER E.  
in: Technological Convergence and Social Networks in Information Management, Kurbanoglu Serap, Al Umut, Editor, Springer Berlin Heidelberg, Berlin, pp.145-153, 2010

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Utilization and comparison of convolutional neural networks in malware recognition** **Kötücül Yazılımların Tanınmasında Evrimsel Sinir Ağlarının Kullanımı ve Karşılaştırılması**  
BOZKIR A. S., Cankaya A. O., AYDOS M.  
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019
- II. **Utilization and Comparison of Convolutional Neural Networks in Malware Recognition**  
BOZKIR A. S., Cankaya A. O., AYDOS M.  
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- III. **Phish-IRIS: A New Approach for Vision Based Brand Prediction of Phishing Web Pages via Compact Visual Descriptors**  
Dalgic F. C., BOZKIR A. S., AYDOS M.  
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.176-183
- IV. **Spam E-Mail Classification by Utilizing N-Gram Features of Hyperlink Texts**  
BOZKIR A. S., ŞAHİN E., AYDOS M., AKÇAPINAR SEZER E., ORHAN F.  
The 11th IEEE International Conference AICT2017, Moscow, Russia, 20 - 22 September 2017
- V. **Öğretmen ve Öğretmen Adaylarının Bilgi ve İletişim Teknolojisi Araçlarının Kullanımına İlişkin Görüşlerini Kümeleme Analiziyle İncelenmesi**  
CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.  
EJER, 11 - 14 May 2017
- VI. **Öğretmen ve Öğretmen Adaylarının Bilgi ve İletişim Teknolojisi Araçlarının Kullanımına İlişkin Görüşlerinin Kümeleme Analiziyle İncelenmesi**  
CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.  
IV. International Eurasian Educational Research Congress, 11 - 14 May 2017
- VII. **ÖĞRETMEN VE ÖĞRETMEN ADAYLARININ BİLGİ VE İLETİŞİM TEKNOLOJİSİ ARAÇLARININ KULLANIMINA İLİŞKİN GÖRÜŞLERİNİN KÜMELEME ANALİZİYLE İNCELENMESİ**  
CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.  
4TH. INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS (EJER 2017), Denizli, Turkey, 11 - 14 May 2017
- VIII. **Use of HOG Descriptors in Phishing Detection**  
BOZKIR A. S., Sezer E. A.  
4th International Symposium on Digital Forensic and Security (ISDFS), Arkansas, United States Of America, 25 - 27 April 2016, pp.148-153
- IX. **INVESTIGATION OF TERM WEIGHTING SCHEMES IN CLASSIFICATION OF IMBALANCED TEXTS**  
Naderalvojud B., BOZKIR A. S., SEZER E.  
MACHINE LEARNING AND DATA MINING IN PATTERN RECOGNITION, MLDM 2014, Lizbon, 15 - 17 July 2014, pp.39-46
- X. **EPESUS A DEVELOPING WEB BASED ENERGY MATERIAL FLOW ANALYSIS TOOL FOR ECO INDUSTRIAL PARKS**  
BOZKIR A. S., SEZER E., Yöntem E., Salihçavuşoğlu G.

IADIS Internet Applications Research 2012, Lizbon, Portugal, 17 - 23 July 2013

- XI. **ADEM An Online Decision Tree Based Menu Demand Prediction Tool for Food Courts**  
BOZKIR A. S. , SEZER E.  
4th International Conference on Food Engineering and Biotechnology, Kopenhag, Denmark, 17 January 2013, vol.43
- XII. **Epesus: A developing web based energy & material flow analysis tool for eco-industrial parks**  
BOZKIR A. S. , Sezer E. A. , Yöntem E., Salihçavuşoğlu G.  
IADIS Int. Conf., ISPCM 2012, IADIS Int. Conf. , TPMC 2012, IADIS , IAR 2012, Part of the IADIS Multi Conf. on Computer Science and Information Systems 2012, MCCSIS 2012, Lisbon, Portugal, 17 - 19 July 2012, pp.122-126
- XIII. **MOBILE MIND A FULLY MOBILE PLATFORM BASED MACHINE LEARNING APPLICATION**  
BOZKIR A. S. , SEZER E.  
IADIS Data Mining Conference, Roma, Italy, 19 - 23 July 2011
- XIV. **Predicting food demand in food courts by decision tree approaches**  
BOZKIR A. S. , Sezer E. A.  
1st World Conference on Information Technology (WCIT), İstanbul, Turkey, 6 - 10 October 2010, vol.3
- XV. **A three-tiered web based exploration and reporting tool for data mining**  
BOZKIR A. S. , Sezer E. A.  
IADIS Int. Conf. Intelligent Systems and Agents 2010,ISA, IADIS European Conference on Data Mining 2010,DM, Part of the MCCSIS 2010, Freiburg, Germany, 28 - 31 July 2010, pp.107-111

## Scientific Refereeing

November 2018

INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, Journal Indexed in SCIE

## Metrics

Publication: 28

Citation (WoS): 178

Citation (Scopus): 204

H-Index (WoS): 4

H-Index (Scopus): 5