

Muhammed Ali KOŞAN



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G-Scholar : https://scholar.google.com.tr/citations?user=ys5_89IAAAAJ

WoS-ID : <https://www.webofscience.com/wos/author/rid/X-2575-2019>

Address : Department of Software Engineering, Faculty of Engineering, Architecture and Design, Karacasu Campus, Kahramanmaraş Istiklal University, Karacasu/Kırım 46100, Dulkadiroğlu/KAHRAMANMARAŞ, TURKIYE

A.of.Interest : Software Technologies, Design Methods and Technologies, Artificial Intelligence, Cybersecurity, Information Security, Cyber Intelligence, Psychology

EDUCATION

B.Sc.

Istanbul University, Faculty of Engineering, Computer Engineering (2006-2011)

M.Sc.

Gazi University, Graduate School of Informatics, Computer Science (2015-2017)

Thesis Title: *Design and implementation of semi-automatic distributed vulnerability detection system on content management*

Ph.D.

Gazi Üniversitesi, Bilişim Enstitüsü, Bilgisayar Bilimleri (2017-2023)

Thesis Title: *Prediction of Turkish content-based personality traits for open source intelligence (OSINT)*

PROFESSIONAL EXPERIENCE, ACADEMIC AND PRIVATE SECTOR PROJECTS

October 2010 – February 2011

Position: Front-end Developer, Designer, **Institutions:** Nodeser, **City:** İstanbul

February 2011 – September 2011

Position: Software Developer, **Institutions:** Nodeser, **City:** İstanbul

September 2011 – June 2012

Position: Software Team Leader, **Institutions:** Nodeser, **City:** İstanbul

October 2012 – August 2013

Position: Software Engineer (Software Team Leader), **Institutions:** Yonca CBS Bilişim, **City:** Elazığ

September 2014 –January 2016

Position: Research Assistant (Faculty Member Training Program), **Institutions:** Muş Alparslan University, Department of Computer Engineering, **City:** Muş

January 2016 – February 2023

Position: Research Assistant (Assigned under Article 35), **Institutions:** Gazi University, Department of Computer Science, **City:** Ankara

Responsibilities: Thesis Control, Computer Science, Management Information Systems, Computer Forensics Departments Responsible Assistant, Journal of Information Technologies Technical Coordinator

October 2018 – January 2021

Position: Researcher (Değirmen Project), **Institutions:** Presidency of Defence Industries (SSB), Fırat University, **City:** Elazığ, Ankara

November 2018 – June 2021

Position: Web Designer Course Instructor (8 Courses), **Institutions:** Beltek, Gazi University, **City:** Ankara

June 2021 – February 2023

Position: Consultant/Software Architect (Presidency of Defence Industries - SSB Artificial Intelligence Platform), **Institutions:** SSB, DeepSis Teknoloji, **City:** Ankara, Elazığ

August 2021 – January 2023

Position: Project Scholar (TÜBİTAK 1001 Project, Rational Drug Use Virtual Patient Application), **Institutions:** Tübitak, Gazi University, **City:** Ankara

August 2021 – September 2021

Position: Web Design (HTML, CSS, JavaScript) Course Instructor (Ankara Metropolitan Municipality Academy), **Institutions:** Ankara Metropolitan Municipality, **City:** Ankara, Online

October 2021 – November 2022

Position: Instructor for Cybersecurity Expert (3 Courses) and Certified Ethical Hacker (5 Courses) Trainings **Institutions:** Ankara University, Continuing Education Center (ANKUSEM), **City:** Ankara, Online

October 2021 – November 2021

Position: Oracle Solaris Instructor, **Institutions:** Air Radar Command, Havelsan, **City:** Ankara

August 2021 – December 2021

Position: ICI-CS2021 (<https://ici-cs2021.gazi.edu.tr/>) Management Committee Member, **Institutions:** Gazi University, Graduate School of Informatics, **City:** Ankara, Online

June 2022 – December 2022

Position: ICI-CS2022 (<https://ici-cs2022.gazi.edu.tr/>) Management Committee Member, **Institutions:** Gazi University, Graduate School of Informatics, **City:** Ankara, Online

February 2023 – June 2023

Position: Dr. Research Assistant, **Institutions:** Muş Alparslan University, Department of Software Engineering, **City:** Muş

April 2023 – January 2025

Position: Researcher (TÜBİTAK 1001 Project, Rational Drug Use Virtual Patient Application), **Institutions:** Tübitak, Gazi University, **City:** Ankara

July 2023 – Present

Position: Asst. Prof. Dr., **Institutions:** Kahramanmaraş İstiklal University, Department of Software Engineering, **City:** Kahramanmaraş

July 2023 – October 2024

Position: Head of Software Engineering Department, **Institutions:** Kahramanmaraş İstiklal University, Department of Software Engineering, **City:** Kahramanmaraş

July 2023 – Present

Position: Area Editor (Journal of Information Technologies), **Institutions:** Gazi University, Graduate School of Informatics, **City:** Ankara

December 2023 – October 2024

Position: Senate Member (Faculty of Engineering, Architecture and Design Representative), **Institutions:** Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

December 2023 – November 2024

Position: Technology Transfer Office Module 3 Coordinator (University-Industry Cooperation Module), **Institutions:** Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

December 2023 – December 2024

Position: Researcher (Kahramanmaraş İstiklal University, Individual Research Project, Classification and Performance Analysis for Power Quality Anomaly Detection Using Deep Learning Models on Embedded Systems), **Institutions:** Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

December 2023 – March 2024

Position: ICI-CS2024 (<https://ici-cs2024.gazi.edu.tr/>) Management Committee Member, **Institutions:** Gazi University, Graduate School of Informatics, **City:** Ankara, Online

January 2024 – Present

Position: Area Editor (Gazi University Journal of Science Part C: Design and Technology), **Institutions:** Gazi University, Graduate School of Informatics, **City:** Ankara

May 2024 – May 2025 (Speech Date: September 26, 2024)

Position: Speaker (Tübitak Science and Society, "Kahraman Şehir Bilimle Şenleniyor" Project), **Institutions:** Tübitak, Provincial Directorate of National Education, Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

June 2024 – June 2025

Position: Researcher (Tübitak 1001 Project, Layer-2 Security Vulnerability Discovery Tool: K2k), **Institutions:** Tübitak, Fırat University, **City:** Elazığ

March 2025 – Present

Position: Principal Investigator (Kahramanmaraş İstiklal University, Individual Research Project, Legislation Inquiry System: LegRegLLM), **Institutions:** Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

May 2025 – Present

Position: Speaker (Tübitak Science and Society, "Kahraman Şehir Bilimle Şenleniyor 2" Project), **Institutions:** Tübitak, Provincial Directorate of National Education, Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

July 2025 – Present

Position: Vice Coordinator (Quality Coordinatorship), **Institutions:** Kahramanmaraş İstiklal University, **City:** Kahramanmaraş

PUBLICATIONS

1. M. Ali KOŞAN, A. İlker KOCATEPE, Hacer KARACAN, “A Model of Steganographic Report for Web Application Security”, *Global Conference on Applied Computing in Science & Engineering (ACSE)*, Rome, July, 2016.
2. A. İlker KOCATEPE, M. Ali KOŞAN, Hacer KARACAN, “An Adaptation of Matrix Encoding Technique for Data Hiding in RGB Images”, *International Conference on Engineering Technology and Innovation (ICETI)*, Sarajevo, March, 2017.
3. M. Ali KOŞAN, Hacer KARACAN, “Comparative Analysis of Web Application Security Scanners”, *International Conference on Engineering Technology and Innovation (ICETI)*, Sarajevo, March, 2017.
4. A. İlker KOCATEPE, M. Ali KOŞAN, Hacer KARACAN, “An Altered Application of Permutative Straddling Method for Spatial Steganography”, *International Advanced Research and Engineering Congress (IAREC)*, Osmaniye, November, 2017.
5. Mehmet SEVRİ, M. Ali KOŞAN, Hacer KARACAN, “Applying Deep Learning to Cybersecurity Field and Its Advantages”, *International Advanced Researches and Engineering Congress (IAREC)*, Osmaniye, November, 2017.
6. M. Ali KOŞAN, A. İlker KOCATEPE, Hacer KARACAN, “Mobile Malware Datasets and Malware Detection”, *International Advanced Research and Engineering Congress (IAREC)*, Osmaniye, November, 2017.
7. M. Ali KOŞAN, Mehmet SEVRİ, Hacer KARACAN, “Spy Attacks and Protection Methods in Android Smartphones”, *International Advanced Research and Engineering Congress (IAREC)*, Osmaniye, November, 2017.
8. M. Ali KOŞAN, Oktay YILDIZ ve Hacer KARACAN, Kimlik Avı Web Sitelerinin Tespitinde Makine Öğrenmesi Algoritmalarının Karşılaştırmalı Analizi, *Pamukkale University Journal of Engineering Sciences (PAJES)*. 24(2), 276-282, 2018. DOI: 10.5505/pajes.2017.27167
9. M. Ali KOŞAN, Mehmet SEVRİ, Hacer KARACAN, “Comparison of Classification Algorithms used in Intrusion Detection Systems”, *International Conference on Applied Mathematics in Engineering (ICAME)*, Balıkesir, 27-29 June, 2018.

10. Mehmet SEVRİ, M. Ali KOŞAN, Hacer KARACAN, “Secure Multiparty Computation and Blockchain-SMARCH Contract Based Election System”, *International Conference on Applied Mathematics in Engineering (ICAME)*, Balıkesir, 27-29 June, 2018.
11. Muhammed Ali KOŞAN, Recep BENZER, “Siber Güvenlik Alanında Derin Öğrenme Yöntemlerinin Kullanımı”, *5th International Management Information Systems Conference (IMISC)*, BTK, Ankara , 24-26 October, 2018. DOI: <https://doi.org/10.6084/m9.figshare.7581983.v1>
12. M. Ali KOŞAN, Aysun COŞKUN, Hacer KARACAN, “Yapay Zekâ Yöntemlerinde Entropi”, *Journal of Information Systems and Management Research*, 1(1), 15-22, 2019 . Retrieved from <https://dergipark.org.tr/tr/pub/jismar/issue/51306/639389>
13. M. Ali KOŞAN, Hacer KARACAN, Burcu A. ÜRGEN, “Predicting personality traits with semantic structures and LSTM-based neural networks”, *Alexandria Engineering Journal (AEJ)*, 61(10), 8007-8025, 2022. DOI: <https://doi.org/10.1016/j.aej.2022.01.050>
14. M. Ali KOŞAN, Hacer KARACAN, Burcu A. ÜRGEN, “Personality traits prediction model from Turkish contents with semantic structures”, *Neural Computing and Applications*, 35(23), 17147-17165, 2023. DOI: <https://doi.org/10.1007/s00521-023-08603-z>