



## Prof. MEHMET TEKEREK

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: F-1502-2010

ScopusID: 26658713300

Yoksis Researcher ID: 159538



## Education Information

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- I. Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2001 - 2006
- II. Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2000

## Certificates, Courses and Trainings

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- I. Other, Diversity, Equity and Inclusion in the Workplace Certificate, The University of South Florida, 2021
- II. IT, CISCO Networking Academy CCNA 1: Introduction to Networks, Middle East Technical University, 2020
- III. IT, CISCO Networking Academy: CyberOps Associate, Middle East Technical University, 2020
- IV. IT, CISCO Networking Academy CCNA 3: Enterprise Networking, Security, and Automation, Middle East Technical University, 2020
- V. IT, CISCO Networking Academy CCNA 2: Switching, Routing, and Wireless Essentials, Middle East Technical University, 2020

## Dissertations

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- I. Doctorate, Developing a robotic education model by using dijital image processing on flexible manufacturing system, Gazi University, Fen Bilimleri Enstitüsü, 2006
- II. Postgraduate, Project concept and project of industrial technology: PC control robot system that has two axis, Gazi University, Fen Bilimleri Enstitüsü, 2000

## Research Areas

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## Academic Titles / Tasks

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- I. Professor, Ankara University, Eğitim Bilimleri Fakültesi, Bilgisayar ve Öğretim Teknolojileri Eğitimi Bölümü, 2023 - Continues
- II. Professor, Kahramanmaraş Sutcu Imam University, Faculty of Education, Computer Education and Instructional Technology, 2018 - 2023
- III. Associate Professor, Kahramanmaraş Sutcu Imam University, Faculty of Education, Computer Education and Instructional Technology, 2015 - 2018
- IV. Associate Professor, Utah State University, School of Applied Sciences and Technology, Technology and Engineering Education, 2014 - 2015
- V. Associate Professor, Kırgızistan-Türkiye Manas Üniversitesi, Faculty of Engineering, Computer Engineering, 2012 - 2014
- VI. Assistant Professor, Kahramanmaraş Sutcu Imam University, Faculty of Education, Computer Education and Instructional Technology, 2007 - 2012

## Courses

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### I. Undergraduate

- I. Physical Programming, Undergraduate, 2023 - 2024

## Supervised Theses

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- I. Tekerek M., Development of a human robot interaction application for social humanoid robots, Postgraduate, F.BAL(Student), 2024
- II. Tekerek M., Developing a LoRa based IoT application for outdoor street lighting fault detection in smart cities, Postgraduate, E.ÇELİK(Student), 2021
- III. Tekerek M., Complete coverage planning with clustering method for autonomous mobile robots, Postgraduate, H.AYDEMİR(Student), 2021
- IV. Tekerek M., Developing of a knowledge network application for digital mentoring, Postgraduate, H.BAHADIR(Student), 2019
- V. Tekerek M., Development of an interactive video annotation tool, Postgraduate, A.DAĞAOTURAN(Student), 2019
- VI. Tekerek M., Analysing Turkish academical corpus using deep learning methods in statistical natural language, Postgraduate, B.BABÜROĞLU(Student), 2019
- VII. Tekerek M., Using blockchain technology in credit transfer, Postgraduate, Z.KIYMIK(Student), 2019
- VIII. Tekerek M., Türkçe akraba dilleri arasında istatistiksel bilgisayarlı çeviri algoritmalarının uygulanması ve başarımları testi, Postgraduate, N.TAYİROVA(Student), 2016
- IX. Tekerek M., Developing a scientific content management, evaluation and publishing system, Postgraduate, C.NURAKUNKIZI(Student), 2013
- X. Tekerek M., Information security awareness in informatics culture, Postgraduate, İ.MART(Student), 2010

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

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- I. Development of BiLSTM deep learning model to detect URL-based phishing attacks

- Akçam Ö. Ş., TEKEREK A., TEKEREK M.  
Computers and Electrical Engineering, vol.123, 2025 (SCI-Expanded)
- II. **Complete coverage planning with clustering method for autonomous mobile robots**  
AYDEMİR H., Tekerek M., Gök M.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.35, no.26, 2023 (SCI-Expanded)
- III. **A New Artificial Neural Network Model for the Output Voltage and Power Predictions of Permanent Magnet Generators with Variable Air Gaps**  
TEKEREK A., KURT E., Tekerek M.  
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.50, no.19-20, pp.1131-1142, 2022 (SCI-Expanded)
- IV. **Hadoop framework implementation and performance analysis on a cloud**  
Ozen G. Z., Tekerek M., Sultanov R.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.2, pp.705-716, 2017 (SCI-Expanded)
- V. **MATH ATTITUDES OF COMPUTER EDUCATION AND INSTRUCTIONAL TECHNOLOGY STUDENTS**  
Tekerek M., Yeniterzi B., Ercan O.  
TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY, vol.10, no.3, pp.168-174, 2011 (SSCI)

## Articles Published in Other Journals

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- I. **Human-Robot Interaction with Social Humanoid Robots**  
BAL F., TEKEREK M., PALACZ M., GÖK M., ŞİMŞİR R.  
El-Cezeri Journal of Science and Engineering, vol.11, no.1, pp.94-102, 2024 (Scopus)
- II. **Development of a tree trunk diameter measurement system using 3D imaging**  
KARADÖL H., GÖK M., TEKEREK M.  
Black Sea Journal of Engineering and Science, vol.6, no.4, pp.583-588, 2023 (Peer-Reviewed Journal)
- III. **Performance analysis of search algorithms for path planning**  
GÖK M., AKÇAM Ö. Ş., TEKEREK M.  
KSÜ Mühendislik Bilimleri Dergisi, vol.26, no.2, pp.379-394, 2023 (Peer-Reviewed Journal)
- IV. **Mathematics and science integration with robotics**  
TEKEREK B., AYDEMİR H., TEKEREK M.  
Ordu Üniversitesi Sosyal Bilimler Enstitüsü Sosyal Bilimler Araştırmaları Dergisi, vol.13, no.1, pp.25-52, 2023 (Peer-Reviewed Journal)
- V. **The formation of Turkish metaphors in information technologies and a metaphor proposal**  
ARIKOĞLU İ., Başarıcı R., TEKEREK M.  
Computers and Informatics, vol.1, no.2, pp.56-73, 2021 (Peer-Reviewed Journal)
- VI. **Examining of the effect of geometric objects on slam performance using ros and gazebo Ros ve gazebo kullanılarak geometrik cisimlerin slam performansına etkisinin incelenmesi**  
AYDEMİR H., Tekerek M., Gök M.  
El-Cezeri Journal of Science and Engineering, vol.8, no.3, pp.1441-1454, 2021 (Scopus)
- VII. **Investigating Maraş National Struggle Regarding Values Education**  
arikoğlu i., Nalçacı A., Tekerek M.  
Kahramanmaraş Sütçü İmam Üniversitesi Sosyal Bilimler Dergisi, vol.17, no. Milli Mücadelenin 100. Yılında Kahramanmaraş, pp.1-15, 2020 (Peer-Reviewed Journal)
- VIII. **Developing an energy informatics application for hybrid green buildings**  
Kalmis H. V., Yılmaz A. S., Tekerek M.  
Journal of Energy Systems, vol.3, no.4, pp.189-205, 2019 (Scopus)
- IX. **A power circuit design for the poloidal field coils in a torus shaped plasma system**  
DURSUN B., KURT E., Tekerek M.  
Journal of Energy Systems, vol.3, no.3, pp.123-128, 2019 (Scopus)

- X. **Integrated instructional material and development processes**  
Tekerek M., Tekerek B.  
TURKISH JOURNAL OF EDUCATION, vol.7, no.3, pp.156-168, 2018 (ESCI)
- XI. **Veri görselleştirme ve infografikler**  
GÜRLER A., YILMAZ A. S., TEKEREK M.  
KSÜ Mühendislik Bilimleri Dergisi, vol.21, no.2, pp.131-148, 2018 (Peer-Reviewed Journal)
- XII. **Emotional intelligence in engineering education**  
Tekerek M., Tekerek B.  
TURKISH JOURNAL OF EDUCATION, vol.6, no.2, pp.88-95, 2017 (ESCI)
- XIII. **Ethical reasoning in STEM disciplines**  
TEKEREK M., KARAKAYA F., TEKEREK B.  
JOURNAL OF EDUCATION AND PRACTICE, vol.7, no.32, pp.82-88, 2016 (Peer-Reviewed Journal)
- XIV. **A Detailed Study on Routing Security for Ad Hoc Networks**  
VURAL Y., AYDOS M., Tekerek M.  
Bilişim Teknolojileri Dergisi, vol.9, no.2, pp.171-180, 2016 (Peer-Reviewed Journal)
- XV. **Kırgız ve Türkiye Türkçeleri arasında istatistiksel bilgisayarlı çeviri uygulaması ve başarımlı testi**  
Nakılay T., TEKEREK M., BRİMKULOV U.  
Manas Journal of Engineering, vol.3, no.2, pp.59-68, 2015 (Peer-Reviewed Journal)
- XVI. **Student's Attitudes towards Use of Tablet PC's in FATİH Project**  
Tekerek M., ALTAN T., GÜNDÜZ İ.  
Bilişim Teknolojileri Dergisi, vol.7, no.2, pp.21-27, 2014 (Peer-Reviewed Journal)
- XVII. **A Research on Students' Information Security Awareness**  
Tekerek M., TEKEREK A.  
TURKISH JOURNAL OF EDUCATION, vol.2, no.3, pp.61-70, 2013 (ESCI)
- XVIII. **Computer Self-efficiency of Pre-service IT Teachers**  
Tekerek M., Ercan O., Udum M. S., Saman K.  
TURKISH JOURNAL OF EDUCATION, vol.1, no.2, pp.80-91, 2012 (ESCI)

## Books

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- I. **DESIGN AND PROTOTYPING OF A ROS-BASED AUTONOMOUS MOBILE ROBOT (AMR)**  
GÖK M., TEKEREK M., YÜCE E., KEREM A.  
in: Perspectives in Engineering, Kurt Erol, Tekerek Mehmet, Editor, NEU Press, Konya, pp.275-287, 2023
- II. **ROS HANDBOOK FOR AUTONOMOUS MOBILE ROBOTS**  
Tekerek M., Gök M., Akçam Ö. Ş., Aydemir H.  
NEÜ PRESS, Konya, 2022
- III. **Robot Tasarımı ve Programlama**  
TEKEREK M., Aydemir H., Gök M.  
GİLBO, İstanbul, 2020
- IV. **Bilimsel Araştırma Bilgisi: İnsanın Öğrenme Hali**  
TEKEREK M.  
Mehmet Tekerek, Kahramanmaraş, 2020
- V. **STEM İLİŞKİLENDİRME Lİ ROBOTİK EĞİTİMİ**  
TEKEREK M., Aydemir H., UZUN E., TEKEREK B.  
GİLBO, İstanbul, 2020
- VI. **Yükseköğretimde Öğretim Teknolojileri**  
ALTAN T., ÖRÜN Ö., TEKEREK M.  
in: Yükseköğretimde Eğitimcilerin Eğitimi, Tekerek Mehmet, Sağır Mahmut, Editor, Pegem Akademi, Ankara, pp.269-282, 2020

## Papers Published in Refereed Scientific Meetings

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- I. **Reinforcement learning based local path planning for mobile robot**  
Gök M., Tekerek M., Aydemir H.  
Interdisciplinary Conference on Mechanics, Computers and Electrics, Ankara, Turkey, 27 - 28 November 2021, vol.2021, pp.197-201
- II. **Evaluation of Trustworthy Scrum Employment for Agile Software Development based on the Views of Software Developers**  
Koc G., AYDOS M., Tekerek M.  
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.63-67
- III. **A descriptive study about internet use attitudes of physics teachers**  
Tekerek M., Ercan O., TEKEREK A.  
3rd World Conference on Educational Sciences (WCES), İstanbul, Turkey, 3 - 07 February 2011, vol.15, pp.3758-3762
- IV. **A human robot interaction application for robotic education**  
Tekerek M.  
World Conference on Educational Sciences, Nicosia, CYPRUS, 4 - 07 February 2009, vol.1, pp.2164-2169

## Supported Projects

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- I. Tekerek M., TÜBİTAK Project, Development of Robotic Process Automation for Production Planning and Line Balancing Activities, 2022 - 2024
- II. Tekerek M., Tekerek A., Kurt E., Erasmus Project, Robot Cooperation "RoboCoop, 2022 - 2024
- III. Tekerek M., Embassy Grant Program Project, STE(A)M Unites Us!, 2021 - 2023
- IV. Tekerek M., Development Agency, Kahramanmaraş Yapay Zekâ Sözel Veri Etiketleme Merkezi Fizibilite Projesi, 2021 - 2022
- V. Tekerek M., Development Agency, Kahramanmaraş Academy for Fashion and Design, 2020 - 2022
- VI. Tekerek M., Erasmus Project, Education 4.0 for Youth, 2020 - 2022
- VII. Tekerek M., Project Supported by Higher Education Institutions, Digital Infrastructre for Teacher Training, 2019 - 2019
- VIII. Tekerek M., Yılmaz A. S., Project Supported by Higher Education Institutions, Control and Management of Industrial Engines with the Internet of Things Techniques, 2018 - 2019
- IX. Tekerek M., Project Supported by Higher Education Institutions, Turkish academic corpus analysis using deep learning methods in statistical natural language processing, 2017 - 2019
- X. Tekerek M., Embassy Grant Program Project, Today's Children are Tomorrow's Inventors (STEM for Girls), 2017 - 2018
- XI. Tekerek M., Project Supported by Higher Education Institutions, Integrated Instructional Material as STEM Integration Tool, 2017 - 2018
- XII. Tekerek M., Project Supported by Higher Education Institutions, Ethical Reasoning in STEM Fields, 2016 - 2016
- XIII. Tekerek M., Project Supported by Higher Education Institutions, The Effect of Personality Dimensions of Teacher Candidates on Their Attitudes towards Teaching, 2016 - 2016
- XIV. Tekerek M., Universities of Other Countries Supported Project, Developing a Scientific Content Management Refereeing and Publishing System, 2013 - 2013
- XV. Tekerek M., Project Supported by Higher Education Institutions, Development of KSU Solar Car İSTİKLAL, 2011 - 2012
- XVI. Tekerek M., Project Supported by Higher Education Institutions, Information Security Awareness in Informatics Culture, 2010 - 2011

## Activities in Scientific Journals

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- I. COMPUTERS AND INFORMATICS, First Editor, 2021 - Continues
- II. TURKISH JOURNAL OF EDUCATION, First Editor, 2012 - 2021

## Scientific Consultations

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- I. Personal Data Protection Authority, Scientific Consultancy, Ankara University, Eğitim Bilimleri Fakültesi, Bilgisayar ve Öğretim Teknolojileri Eğitimi Bölümü, Turkey, 2019 - 2020

## Metrics

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Publication: 35  
Citation (WoS): 40  
Citation (Scopus): 33  
H-Index (WoS): 4  
H-Index (Scopus): 3

## Coaching Duties

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## Refereeing Duties

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## Non Academic Experience

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- I. Technology Development Zone, Kahramanmaraş Technokent Management Co., Kahramanmaraş Technokent Management Co., General Manager
- II. KİŞİSEL VERİLERİ KORUMA KURUMU, DANIŞMAN
- III. MİLLİ EĞİTİM BAKANLIĞI, TEKNİK ÖĞRETMEN