



Mehmet Tekerek

Kahramanmaraş Sütçüimam University
Computer Education and Instructional Technology

e-mail: tekerek@ksu.edu.tr

Telephone +90(344)-300-1310

Research Areas: Computer Education and Instructional Technology, Information Security, Informatics, Engineering Education, STEM Approach

Background

Education

Degree	Department	University	Year
Bachelor	Industrial Technology Education	Gazi University	1996
Graduate	Industrial Technology Education	Gazi University	2000
PhD	Industrial Technology Education	Gazi University	2006

Graduate Thesis Title and Thesis Supervisor

Project Concept and Two-axis PC Controlled Robot System as Industrial Technology Project, Assist.
Prof. Dr. Ahmet Şenel

PhD. Thesis Title and Thesis Supervisor

Developing a Robotics Education Model using Image Processing in Flexible Manufacturing System,
Prof. Dr. Mehmet Eroğlu

Experience

Academic Position	Place of Employment	Department	Year
Technical Teacher	MoNE of Turkey	Technology and Design	1996-2007
Assist. Prof. Dr.	Kahramanmaraş Sütçüimam University	Computer Education and Instructional Technology	2007-2012
Assist. Prof. Dr.	Kyrgyz Turkish Manas University	Computer Engineering	2012-2013
Assoc. Prof. Dr.	Kyrgyz Turkish Manas University	Computer Engineering	2013-2014
Assoc. Prof. Dr.	Utah State University	Technology and Engineering Education	2014- 2015
Assoc. Prof. Dr.	Kahramanmaraş Sütçüimam University	Computer Education and Instructional Technology	2015-

Other

MoNE of Turkey, İLSİS Project; Ankara pilot city-Project manager; database tests and data entry implementations, 2001- 2002

MoNE of Turkey, OBESİ Department–Development software on card stunt shows for national day celebrations, 2004- 2006

Supervised Graduate Thesis

Mart, İ., (2012), *Information Security awareness in Information Culture*, Kahramanmaraş Sütçüimam University, Graduate School of Science and Technology, Computer Education and Instructional Technology Department

Nurakun, J., (2013), *Developing a Scientific Content Management and Refereeing System*, Kyrgyz Turkish Manas University, Graduate School of Science and Technology, Computer Engineering Department

Tairova, N.,(2016), *Implementation of Machine Translation Algorithms to Turkic Language Family and Performance Tests*, Kyrgyz Turkish Manas University, Graduate School of Science and Technology, Computer Engineering Department

Experience in Research Projects

Information Security awareness in Information Culture, Kahramanmaraş Sütçüimam University, Scientific Research Project, 2010. Project Manager, (\$1500)

Developing of KSU Solar Car "İSTİKLAL", Kahramanmaraş Sütçüimam University, Scientific Research Project, 2011 (6.Degree of TÜBİTAK 2012 Formula G). Project Manager, (\$35000)

Developing a Scientific Content Management and Refereeing System, Kyrgyz Turkish Manas University, Scientific Research Project, 2013. Project Manager, (\$4000)

Ethical reasoning in STEM disciplines, Kahramanmaraş Sütçüimam University, Scientific Research Project, 2016. Project Manager, (\$600)

Experience in Administrative Work

Head of Department, Kahramanmaraş Sütçüimam University, Computer Education and Instructional Technology Department, 2007-

Erasmus/ Bologna Coordinator, Kahramanmaraş Sütçüimam University, Faculty of Education, 2008-2010

Vocational Internship Coordinator, Kyrgyz Turkish Manas University, Computer Engineering Department, 2012-2014

Director, Distance Education Center, Kyrgyz Turkish Manas University, 2013-2014

Editorial and Refereeing Tasks

Editor, Turkish Journal of Education

Field Editor, TÜBİTAK, Turkish Journal of Electrical Engineering & Computer Sciences

Field Editor, MANAS Journal of Engineering

Field Editor, Turkish Journal of Education

Scientific Board Member, International Journal of Informatics Technologies

Scientific Board Member, International Conference on Information Security and Cryptology

Program Committee - Referee, Research in Engineering Education Symposium

Referee, TÜBİTAK, Turkish Journal of Electrical Engineering & Computer Sciences

Referee, [Computers in Human Behavior](#)
Referee, [Journal of Software Engineering and Applications](#)
Referee, [Nordic Conference on Human-Computer Interaction](#)

Scholarships and Awards

Success Scholarship, [MoNE of Turkey](#), 1992-1996
Certificate of Appreciation, [MoNE of Turkey](#), (Two Piece) 1999, 2005
Letter of Appreciation, [Governorship of Ankara](#), (Five Piece) 2001, 2003, 2004, 2004, 2005
Letter of Appreciation, [Turkish Armed Forces](#), 2007
[TÜBİTAK](#) Scientific Publication Award, 2011
Prof. Dr. Cevat Alkan Young Scientist Award, 2012
[TÜBİTAK](#) Post-Doctoral Research Scholarship, 2014

Memberships

International Technology and Engineering Educators Association, (ITEEA)

Lectures and Panel Discussions

(National)

Conference, (04 April 2007), “Information Security Awareness”, Provincial Directorate of [MoNE](#), Kahramanmaraş, Turkey
Conference, (07 October 2008), “Youths and Projects”, COJEP International, I. Turkey Youth Summit, Nevşehir, Turkey
TV Program, (10 April 2008), “Information Society and Internet”, KSU, AKSUTV, Kahramanmaraş, Turkey
Panel Discussion, (07 October 2009), “Computer Education and Instructional Technology”, International CEIT Symposium, KTU, Trabzon, Turkey
Radio speech, (14 April 2009), “Internet-based education practices and opportunities”, TRT Radio 1 “Gündem” Program
Conference, (20 October 2010), “Dark Side of Informatics”, KSU, Kahramanmaraş, Turkey
Seminar, (05-11 April 2011), “Information Security Management and ISO27001”
Panel Discussion, (20 May 2011), “The Future of the Computer Education and Instructional Technology”, CEIT Student Symposium, YTU, İstanbul, Turkey

(International)

Study Tour, (14-17 June 2011), “The role of civil society organizations in promoting active citizenship, 44966, Brussels, Belgium
Invited Speaker, (20 April 2008), “Final Conference of EU Project TR-11-337-2007-R5” Association of Youth Development, Gaziantep, Turkey
Invited Speaker, (10 May 2013), “[FATİH Project](#)” Central Asia Instructional Technology Conference, Bishkek, Kyrgyzstan
Workshop, (11-19 June 2016), “Social network activism, Vienna, Austria

Given Graduate and Undergraduate Courses (Last Two Years)

Academic Year	Term	Courses	Weekly Hours		Students
			Theory	Practice	
2015-2016	Spring	Technology and Project Design	2	0	50
		Principles of Informatics Systems	3	0	7
		Human Computer Interaction	3	0	6
		Software Engineering	3	0	6
		Sport Informatics	3	0	10
2016-2017	Autumn	Educational Informatics	3	0	11
		Introduction to Data Privacy	3	0	11
	Spring	Principles of Informatics Systems	3	0	8
		Human Computer Interaction	3	0	8

Competences

Language Skills:

English (*Reading-Writing-Verbal: Good*); Russian (*Reading-Writing-Verbal: Basic*)

Professional Skills:

Works on technology education and robotic applications and educational methods for K12 and undergraduate level,

Project development and management, applications on project development and management intended for product development in instructional Technologies,

Drafting Software Engineering Projects and Managing any Software Development Projects,

Instructional Technologies, Design Education, Robotic Education, Instructional Software Development,

Development of instructional technology and educational software intended for web-based applications,

Drafting information security policies & information security guidelines based on Information Security Awareness,

Social Skills:

Team player, innovative attitude, ability to establish consensus among people; Ability to communicate clearly, present complex matters rapidly and precisely,

Organizational Skills:

Multi-tasking capabilities, ability to plan, prioritize and manage various projects under aggressive deadlines, researching and analytical skills; Ability to coordinate, supervises, and trains others

Artistic Skills & Hobbies:

Orienteering

Annex

A. Articles Published in International Scientific Journals

- A1. Tekerek, M., (2009). [A human robot interaction application for robotic education](#), *Procedia Social and Behavioral Sciences*, 1, 2164-2169, DOI:10.1016/j.sbspro.2009.01.380
- A2. Tekerek, M., Yeniterzi, B., Ercan, O., (2011). [Math attitudes of computer education and instructional technology students](#), *Turkish Online Journal of Educational Technology*, 10(3), 168-174.
- A3. Tekerek, M., Ercan, O., Tekerek, A., (2011). [A descriptive study about internet use attitudes of physics teachers](#), *Procedia Social and Behavioral Sciences*, 15, 3758-3762, DOI:10.1016/j.sbspro.2011.04.369
- A4. Gençay, S., Gençay, Ö, A., Tekerek, M., Akyel, Y., (2011). [Examination of continuous anger and anger expression styles of physical education, computer sciences and mathematics teacher candidates](#), *Pakistan Journal of Social Sciences*, 8(4), 181-186, DOI:10.3923/pjssci.2011.181.186
- A5. Tekerek, M., Tekerek, A., Ercan, O., (2012). [Assessment of physics teachers' attitudes towards internet use in terms of some variables](#), *World Journal on Educational Technology*, 4(1), 43-55.
- A6. Tekerek, M., Ercan, O., (2012). [Analysis of teachers' attitude towards internet use: example of chemistry teachers](#), *Creative Education*, 3(3), 296-303, DOI:10.4236/ce.2012.33047
- A7. Tekerek, M., Ercan, O., Udum, M.S., Saman, K., (2012). ["Computer self-efficiency of pre-service IT teachers"](#), *Turkish Journal of Education*, 1(2), 80-91. DOI: 10.19128/turje.181049
- A8. Tekerek, M., Tekerek, A., (2013). [A research on students' information security awareness](#), *Turkish Journal of Education*, 2(3), 61-70. DOI: 10.19128/turje.181065
- A9. Tekerek, M., Nurakun, J., (2013). [Design and implementation of scientific publication CMS with peer review tools for academic institutions](#), *MANAS Journal of Engineering*, 1(2), 33-42.
- A10. Tekerek, M., Mangytbaev, B., Nurakun, J., (2014). [A comparative analysis of types of digital image used in web publication](#), *MANAS Journal of Engineering*, 2(1), 35-42
- A11. Tekerek, M., Altan, T., Gündüz, İ., (2014). [Student attitudes on using tablet PC in FATİH project](#), *International Journal of Informatics Technologies*, 7(2), 21-27, DOI:10.12973/bid.2017
- A12. Tekerek, M., Altan, T. (2014). [The effect of Scratch environment on student's achievement in teaching algorithm](#). *World Journal on Educational Technology*, 6(2), 132-138.
- A13. Tayirova, N., Tekerek, M., Brimkulov, U., (2015). [Statistical machine translation implementation and performance tests between Kyrgyz and Turkish Languages](#), *MANAS Journal of Engineering*, 3(2), 59-68
- A14. Vural, Y., Aydos M., Tekerek, M., (2016). [A detailed study on routing security for ad hoc networks](#), *International Journal of Informatics Technologies*, 9(2), 171-180. DOI: 10.17671/btd.64124
- A15. Tekerek, M., Karakaya, F., Tekerek, B., (2016). [Ethical reasoning in STEM disciplines](#), *Journal of Education and Practice*, 7(32), 82-88.
- A16. Özen, G.Z., Tekerek, M., Sultanov, R., (2017). [Hadoop framework implementation and performance analysis on a cloud](#), *Turkish Journal of Electrical Engineering & Computer Sciences*, 25(2), 705-716. DOI: 10.3906/elk-1501-43
- A17. Tekerek, M , Tekerek, B . (2017). [Emotional intelligence in engineering education](#). *Turkish Journal of Education*, 6 (2), 88-95. DOI: 10.19128/turje.306499

B. Proceedings Published in International Conferences

- B1. Tekerek, M., Avgan, U., Tekerek, A., (2009). An application for computer aided design of card stunt systems, *Proceedings of 9th International Educational Technology Conference*, 282-288pp., Ankara, Turkey, May 2009
- B2. Tekerek, M., Yılmaz, R., Tekerek, A., (2009). Implementation of a web content management system for the student's club works, *Proceedings of 9th International Educational Technology Conference*, 57-63, Ankara, Turkey, May 2009
- B3. Tekerek, M., Mart, İ., (2010). Behavioral computer and web security awareness for k8 level, *4th International Conference on Information Security and Cryptology Proceeding Book*, 254-258, Ankara, Turkey, May 2010
- B4. Tekerek, M., Yeniterzi, B., Ercan, O., (2011). Math attitudes of CEIT students, *Proceedings of 11th International Educational Technology Conference*, 708-713, İstanbul, Turkey, May 2011 (Awarded by 11th IETC as the best article)
- B5. Tekerek, M., Polat, S., (2011). Preservice teacher's attitudes towards teaching profession, *Proceedings of 5th International Computer & Instructional Technology Symposium*, Fırat University, Elazığ, Turkey, September 2011
- B6. Tekerek, M., (2012). Information and computer security awareness of elementary and high school students: Sample of Kahramanmaraş city, *5th International Conference on Information Security and Cryptology Proceeding Book*, 87-92, Ankara, Turkey, May 2012
- B7. Tekerek, M., Yeniterzi, B., Yıldırım, Z., (2012). Web-Based Geometry Teaching, *Proceedings of 1st Applied Education Congress*, Middle East Technical University, Ankara, Turkey, September, 2012
- B8. Tekerek, M., Altan, T., Akın, Y., (2012). The effect of enriched maps with learning objects on academic achievement and attitude, *Proceedings of 6th International Computer & Instructional Technology Symposium*, 484- 490, Gaziantep University, Gaziantep, Turkey, October 2012
- B9. Tekerek, M., Altan, T., Gündüz, İ., (2012). Analysis of student's attitudes of using tablet PC in FATİH project of Turkey, *Proceedings of 6th International Computer & Instructional Technology Symposium*, 242-247, Gaziantep University, Gaziantep, Turkey, October 2012
- B10. Tekerek, M., Altan, T., Akdağ M. A., (2012). The effect of scratch on student's achievement in teaching algorithm, *Proceedings of 6th International Computer & Instructional Technology Symposium*, 54- 59, Gaziantep University, Gaziantep, Turkey, October 2012
- B11. Yeniterzi, B., Tekerek, M., (2012). The effect of computer assisted instructional material on teaching mathematical concepts in pre-school, *Proceedings of 6th International Computer & Instructional Technology Symposium*, 466-471, Gaziantep University, Gaziantep, Turkey, October 2012
- B12. Vural, Y., Aydos M., Tekerek, M., (2016). Protection of National Cyber Security: Awareness & Education, *The International Conference on Computing Technology, Information Security and Risk Management (CTISRM2016)*, 61-66, Islamic Azad University, Academic City, Dubai, United Arab Emirates, January 2016
- B13. Öztürk, C., Tekerek, M., Yılmaz, A.S., (2016). Comparison of information security industry by country, *9th International Conference on Information Security and Cryptology Proceeding Book*, 231-235, Ankara, Turkey, October 2016
- B14. Vural, Y., Aydos M., Tekerek, M., Yılmaz, A.S., (2016). Smart power grids: threats to data privacy, *9th International Conference on Information Security and Cryptology Proceeding Book*, 236-244, Ankara, Turkey, October 2016

C. Books

- C1. Tekerek, M., (2009). *Project Development (K12 level text book approved by MoNE of Turkey)*, 126 pp., Ankara, Gün Publication.
- C2. Togay, A., Kılıç, Y., Karaarslan, A., Tekerek, M., (2008). *Information and Communication Technologies, (Vocational school text book approved by MoNE of Turkey)*, 240 pp. Ankara, Gün Publication.
- C3. Tekerek, M., (2005). *Chess for K8 level students (textbook)*, 145pp. Ankara, Gün Publication.

D. Articles Published in National Scientific Journals

- D1. Tekerek, M., Yılmaz, M., (2006). Competitive analysis of smoke addiction and computer addiction: A descriptive study, *Kahramanmaraş Sütçüimam University, Journal of Social Sciences*, 3(1), 77- 88
- D2. Tekerek, M., (2007). A productivity research on k8 level computer lectures, *Journal of KMU Social and Economic Researches*, May 2007 Special Issue, 63-74
- D3. Tekerek, M., (2007). Project application in technology education: PC controlled robotic system with two-axes, *Kahramanmaraş Sütçüimam University Journal of Engineering Sciences*, 29-35
- D4. Tekerek, M., (2008). Information security management, *Kahramanmaraş Sütçüimam University Journal of Engineering Sciences*, 11(1), 132-137
- D5. Tekerek, M., Sert, G., (2012). Computer using attitudes of teachers in teaching-learning process, *Kahramanmaraş Sütçüimam University Journal of Social Sciences*, 9(1), 63-73

E. Proceedings Published in National Conferences

- E1. Gençay, S., Gençay, Ö. A., Marangoz, İ., Tekerek, M., (2003). Research on factors effecting university students attending to recreation activity programs, *1st Youth Recreation and Natural Sports Symposium Proceedings Book*, 95-101, Ankara, Turkey, May 2003
- E2. Tekerek, M., Gençay, S., Gençay, A.O., (2003). Project development in rower scouting, *1st Youth Recreation and Natural Sports Symposium Proceedings Book*, 163-167pp., Ankara, Turkey, May 2003
- E3. Tekerek, M., (2004). Project method on vocational orientation: technology education model, *1st Reorganization Symposium on Secondary Education Proceedings Book*, 200-206, Ankara, Turkey, December 2004
- E4. Yılmaz, R., Tekerek, M., (2008). A school newspaper model as a web-based educational environment, *13th Internet Conference in Turkey Proceedings Book*, 23-29 pp., Ankara, Turkey, December 2008
- E5. Tekerek, M., Saman, K., Ercan, O., Bilen, K., Udum, M. S., (2012). Computer self-efficiency of pre-service IT teachers before FATİH Project of turkey, *10th National Science Technology and Mathematics Education Conference Proceedings Book*, Niğde, Turkey, June 2012
- E6. Bilen, K., Ercan, O., Tekerek, M., Sağır, M., (2012). Pre-service teacher's vocational efficiency emotions: Example of Kahramanmaraş Province, *10th National Science Technology and Mathematics Education Conference Proceedings Book*, Niğde, Turkey, June 2012
- E7. Kök, S., Tekerek, M., (2012). A new activism from streets to social networks: Arab spring experiment, *2nd Symposium on Regional Problems and Turkey Proceedings Books*, Kahramanmaraş, Turkey, October 2012

F. Citations

[Google Scholar](#) 165 (*h index*: 8, *i index*: 8)