

## Assoc. Prof. GÜLGÜN AFACAN ADANIR

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0832-1808

Publons / Web Of Science ResearcherID: ABG-9490-2020

ScopusID: 55052785300

Yoksis Researcher ID: 163269

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri (Dr), Turkey 2009 - 2016

Postgraduate, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri (YI) (Tezli), Turkey 2006 - 2009

Undergraduate, Middle East Technical University, Faculty Of Education, Department Of Computer Education And Instructional Technology, Turkey 2001 - 2006

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Using learning analytics to track learning process in virtual math teams (VMT) online environment, Middle East Technical University, Fonsiyonel Analiz Anabilim Dalı, Bilişim Sistemleri (Dr), 2016

Postgraduate, E-performance of Turkey and a new e-transformation metric system, Middle East Technical University, Fonsiyonel Analiz Anabilim Dalı, Bilişim Sistemleri (YI) (Tezli), 2009

### Research Areas

Computer Education and Instructional Technology

### Academic Titles / Tasks

Lecturer, Ankara University, Açık ve Uzaktan Eğitim Fakültesi, 2014 - Continues

Research Assistant, Middle East Technical University, E-Devlet Araştırma Ve Uygulama Merkezi, 2007 - 2011

## Courses

Information and Communication Technologies II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Bilgi ve İletişim Teknolojileri II, Undergraduate, 2021 - 2022  
Information and Communication Technologies II, Undergraduate, 2021 - 2022  
Information and Communication Technologies I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Bilgi ve İletişim Teknolojileri II, Undergraduate, 2021 - 2022  
Computer Programming, Undergraduate, 2020 - 2021  
Information and Communication Technologies I , Undergraduate, 2021 - 2022  
Information and Communication Technologies, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Bilgi ve İletişim Teknolojileri II, Associate Degree, 2020 - 2021  
Information and Communication Technologies II, Undergraduate, 2021 - 2022  
Bilgi ve İletişim Teknolojileri II, Undergraduate, 2021 - 2022  
Information and Communication Technologies, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Problem Çözme Kavramları ve Algoritmalar , Postgraduate, 2021 - 2022  
Bilgi ve İletişim Teknolojileri I, Undergraduate, 2021 - 2022, 2020 - 2021  
Bilimsel Araştırma Yöntemleri, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Introduction to Computer Science, Undergraduate, 2020 - 2021  
Temel Bilgisayar Kullanımı, Associate Degree, 2020 - 2021  
E-Öğrenme Teori ve Uygulamaları, Postgraduate, 2020 - 2021, 2018 - 2019

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

- I. **Research trends in K-5 computational thinking education: a bibliometric analysis and ideas to move forward**  
Adanir G., Delen I., Gulbahar Y.  
EDUCATION AND INFORMATION TECHNOLOGIES, no.3, pp.3589-3614, 2024 (SSCI)
- II. **Investigation of Gaming Habits, Personality Traits, and Internet Gaming Disorder Among Kyrgyz Adolescents**  
Muhametjanova G., AFACAN ADANIR G., ARPACI İ.  
INTERNATIONAL JOURNAL OF MENTAL HEALTH AND ADDICTION, vol.21, no.2, pp.869-877, 2023 (SCI-Expanded)
- III. **University students' acceptance of mobile learning: A comparative study in Turkey and Kyrgyzstan**  
AFACAN ADANIR G., Muhametjanova G.  
EDUCATION AND INFORMATION TECHNOLOGIES, vol.26, no.5, pp.6163-6181, 2021 (SSCI)
- IV. **Kyrgyz learners' and teachers' experiences and perceptions related to ICT use in high school courses**  
AFACAN ADANIR G., Borkoev B., Saliyeva K., Muhametjanova G.  
EDUCATION AND INFORMATION TECHNOLOGIES, vol.25, no.6, pp.4765-4780, 2020 (SSCI)
- V. **Learners' Perceptions of Online Exams: A Comparative Study in Turkey and Kyrgyzstan**  
AFACAN ADANIR G., Ismailova R., Omuraliev A., Muhametjanova G.  
INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTRIBUTED LEARNING, vol.21, no.3, pp.1-17, 2020 (SSCI)
- VI. **Longitudinal study of Kyrgyz students' general physics course performance in paper-based versus online-based tests**  
AFACAN ADANIR G., Akmatbekova A., Muhametjanova G.  
EDUCATION AND INFORMATION TECHNOLOGIES, vol.25, no.5, pp.4197-4210, 2020 (SSCI)
- VII. **Providing online exams for online learners: Does it really matter for them?**  
ILGAZ H., AFACAN ADANIR G.

EDUCATION AND INFORMATION TECHNOLOGIES, vol.25, no.2, pp.1255-1269, 2020 (SSCI)

- VIII. **Internet and social networks use habits of adolescents between ages of 10-19 in the Kyrgyz Republic**  
Muhametjanova G., AFACAN ADANIR G., Akmatbekova A.  
JOURNAL OF CHILDREN AND MEDIA, vol.14, no.2, pp.173-186, 2019 (SSCI)
- IX. **Tracing the knowledge building process through discussions mediated by a CSCL environment: A case study**  
AFACAN ADANIR G.  
Turkish Online Journal of Educational Technology, vol.16, no.3, pp.153-160, 2017 (SCI-Expanded)
- X. **Public Internet access points (PIAPs) and their social impact: a case study from Turkey**  
Afacan G., ER E., ARİFOĞLU A.  
BEHAVIOUR & INFORMATION TECHNOLOGY, vol.32, no.1, pp.14-23, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Learner Autonomy in Online Learning: Development and Validation of a Scale**  
Afacan Adanir G., Gülbahar Güven Y.  
JOURNAL OF HIGHER EDUCATION AND SCIENCE (YUKSEKOGRETİM VE BİLİM DERGİSİ), vol.13, no.1, pp.116-125, 2023 (Peer-Reviewed Journal)
- II. **University Learners' Motivation and Experiences Using Virtual Laboratories in a Physics Course**  
AFACAN ADANIR G., AKMATBEKOVA A., Muhametjanova G.  
CANADIAN JOURNAL OF LEARNING AND TECHNOLOGY, vol.48, no.2, pp.1-15, 2023 (Scopus)
- III. **Migrant parents and psychosocial effects of parents' absence on children left behind in the Kyrgyz Republic**  
Muhametjanova G., AFACAN ADANIR G.  
VULNERABLE CHILDREN AND YOUTH STUDIES, vol.18, no.1, pp.10-18, 2022 (ESCI)
- IV. **Üniversite Öğrencileri Dijital Yeterlilikler Ölçeğinin Türkçeye Uyarlama Çalışması**  
AFACAN ADANIR G., GÜLBAHAR GÜVEN Y.  
JOURNAL OF HIGHER EDUCATION AND SCIENCE (YUKSEKOGRETİM VE BİLİM DERGİSİ), vol.12, no.1, pp.122-132, 2022 (Peer-Reviewed Journal)
- V. **Investigation of Kyrgyz Learners' Engagement in Online Courses**  
AFACAN ADANIR G., Muhametjanova G., AKMATBEKOVA A.  
OPEN PRAXIS, vol.14, no.2, pp.110-121, 2022 (ESCI)
- VI. **University learners' utilisation of online videos in a general chemistry course**  
Adanir G., Muhametjanova G., Borkoev B., Salieva K.  
RESEARCH IN LEARNING TECHNOLOGY, vol.30, 2022 (ESCI)
- VII. **The Acceptance and Use of an Online Exam System by Online Learners: Implementation of the UTAUT Model**  
AFACAN ADANIR G., ÇINAR M.  
SAKARYA UNIVERSITY JOURNAL OF EDUCATION, vol.11, no.3, pp.412-430, 2021 (Peer-Reviewed Journal)
- VIII. **e-Sınav Sistemi ile ilgili Öğrenci Görüşleri ve Yaşanan Sorunların Araştırılması**  
AFACAN ADANIR G.  
Organizasyon ve Yönetim Bilimleri Dergisi, vol.13, no.2, pp.189-207, 2021 (Peer-Reviewed Journal)
- IX. **Factors Affecting University Students' Academic Performance**  
AFACAN ADANIR G., Abdieva R., Muhametjanova G.  
Reforma, vol.2, no.90, pp.77-89, 2021 (Peer-Reviewed Journal)
- X. **Computer Science Unplugged: A Systematic Literature Review**  
BATTAL A., AFACAN ADANIR G., GÜLBAHAR GÜVEN Y.  
Journal of Educational Technology Systems, vol.50, no.1, pp.24-47, 2021 (Peer-Reviewed Journal)
- XI. **Flipping e-learning for teaching medical terminology: A study of learners' online experiences and perceptions**

Tekin P., Ilgaz H., Adanır G., Yıldırım D., Gülbahar Güven Y.

Online Learning Journal, vol.24, no.2, pp.76-93, 2020 (Scopus)

- XII. **Learners' preferences for online resources, activities, and communication tools: A comparative study of Turkey and Kyrgyzstan**

Adanır G., Muhametjanova G., ÇELİKBAĞ M. A., Omuraliev A., Ismailova R.

E-LEARNING AND DIGITAL MEDIA, vol.17, no.2, pp.148-166, 2020 (ESCI)

- XIII. **DETECTING TOPICS OF CHAT DISCUSSIONS IN A COMPUTER SUPPORTED COLLABORATIVE LEARNING (CSCL) ENVIRONMENT**

AFACAN ADANIR G.

TURKISH ONLINE JOURNAL OF DISTANCE EDUCATION, vol.20, no.1, pp.96-114, 2019 (ESCI)

- XIV. **ACHIEVEMENT OF JOINT PERCEPTION IN A COMPUTER SUPPORTED COLLABORATIVE LEARNING ENVIRONMENT: A CASE STUDY**

AFACAN ADANIR G.

TURKISH ONLINE JOURNAL OF DISTANCE EDUCATION, vol.18, no.4, pp.78-90, 2017 (ESCI)

- XV. **A New Metric System for Assessment of e-Transformation**

AFACAN ADANIR G., ARİFOĞLU A.

International Journal of eBusiness and eGovernment Studies, vol.7, no.1, pp.1-15, 2015 (Peer-Reviewed Journal)

- XVI. **An Analysis of Public Internet Access Points (PIAPs)**

ARİFOĞLU A., AFACAN G., ER E.

The Journal of Community Informatics, vol.9, no.1, 2012 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Student Acceptance of Online Proctored Exams**

AFACAN ADANIR G.

in: Design and Measurement Strategies for Meaningful Learning, Gómez Ramos José Luis, Gómez-Barreto Isabel María, Editor, IGI Global, pp.212-229, 2022

- II. **Assessment Types and Methods in Distance Learning**

AFACAN ADANIR G.

in: Handbook of Research on Determining the Reliability of Online Assessment and Distance Learning, Moura Ana S., Reis Pedro, Cordeiro M. Natália D. S, Editor, IGI Global, Hershey, pp.24-42, 2021

- III. **The Influence of Social Media on Learning**

GÜLBAHAR GÜVEN Y., AFACAN ADANIR G.

in: Advancing Online Course Design and Pedagogy for the 21st Century Learning Environment, Chatham Daniel, Editor, IGI Global, Hershey, pp.151-169, 2021

- IV. **Harmanlanmış Öğrenme**

GÜLBAHAR GÜVEN Y., KALELİOĞLU F., AFACAN ADANIR G.

Pegem Akademi, Ankara, 2020

- V. **Emerging Instructional Design and Strategies for Online Courses**

GÜLBAHAR GÜVEN Y., AFACAN ADANIR G.

in: Handbook of Research on Developing Engaging Online Courses, Thornburg Amy W., Abernathy Dixie F., Ceglie Rob J., Editor, IGI Global, Hershey, pp.94-115, 2020

- VI. **e-Öğrenme Sürecinde Yeni Pedagojik Yaklaşımlar: e-Pedagoji**

GÜLBAHAR GÜVEN Y., AFACAN ADANIR G.

in: Eğitim Teknolojisi Okumaları 2020, Odabaşı Hatice Ferhan, Akkoyunlu Buket, İşman Aytekin, Editor, Pegem Akademi, Ankara, pp.383-406, 2020

- VII. **User Acceptance of eGovernment Services: Analysis of Users' Satisfaction Level Based on Technology Acceptance Model**

YARLIKAŞ S., ARPACI İ., AFACAN G.

in: Industrial Dynamics, Innovation Policy, and Economic Growth through Technological Advancements, Yetkiner, I.

H., Pamukcu, M. T., Erdil, E., Editor, IGI Global, Hershey, pp.348-362, 2012

**VIII. Guidelines for Successful Public Internet Access Points (PIAPs) Implementation**

ARİFOĞLU A., AFACAN G., ER E.

in: Public Sector Reform Using Information Technologies: Transforming Policy into Practice, Papadopoulos Thanos, Kanellis Panagiotis, Editor, IGI Global, Hershey, pp.372-391, 2012

**IX. A New e-Transformation Metric System: To Assess e-Performance of Countries**

AFACAN G., ARİFOĞLU A.

Lambert, 2010

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

**I. How to teach coding through stories in early childhood classrooms**

ÇABUK B., AFACAN ADANIR G., GÜLBAHAR GÜVEN Y.

6TH APSCE INTERNATIONAL CONFERENCE ON COMPUTATIONAL THINKING AND STEM EDUCATION, Delft, Netherlands, 15 June 2022, pp.1-5

**II. Kırgızistan'daki Okullarda Öğretmenlerin Bilgi ve İletişim Teknolojilerini STEM Eğitiminde Kullanmaları**

Muhametjanova G., AFACAN ADANIR G.

Uluslararası Türk Dünyası Eğitim Bilimleri Kongresi, Ankara, Turkey, 24 - 26 November 2021, pp.637-638

**III. Türk ve Kırgız Öğrencilerin Çevrimiçi Kaynak ve Etkinlik Tercihleri**

AFACAN G., Muhametjanova G., ÇELİKBAĞ M. A., Omuraliev A., İSMAİLOVA R.

13. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu, Kırşehir, Turkey, 2 - 04 May 2019, pp.121-129

**IV. Management of Open and Distance Education: Comparison of Cases: United States and Turkey**

GÜLBAHAR GÜVEN Y., AFACAN G.

INTERNATIONAL OPEN AND DISTANCE LEARNING CONFERENCE, Eskişehir, Turkey, 14 - 16 November 2019, pp.1-12

**V. The Usability Assessment of the e-Exam System**

AFACAN G.

European Conference on Educational Research (ECER) 2018, Bolzano, Italy, 3 - 07 September 2018

**VI. Monitoring the Knowledge Building Process in a CSCL Environment: A Case Study from Turkey**

AFACAN ADANIR G.

20th International Conference on Interactive Collaborative Learning (ICL), Budapest, Hungary, 27 - 29 September 2017, vol.715, pp.55-62

**VII. Turkish Students' Experiences in Using a Computer Supported Collaborative Learning (CSCL) Tool (Virtual Math Teams - VMT)**

AFACAN ADANIR G.

International Conference on Research in Education and Science (ICRES) 2017, 18 - 21 May 2017, vol.7, pp.1-10

**VIII. Tools for Tracing the Development of Concepts through Discussions Mediated by a CSCL Environment A Case Study**

AFACAN ADANIR G., ÇAKIR M. P.

11th International Conference on Computer Supported Collaborative Learning, 7 - 11 June 2015, vol.1, pp.467-474

**IX. Measures Used to Track Learning Process in Computer Supported Collaborative Learning CSCL Environments**

AFACAN G., ÇAKIR M. P.

The European Conference on Educational Research 2013 (ECER 2013), 9 - 13 September 2013

**X. A Research Study on Identifying Actors in Best e-Government Practices**

ARİFOĞLU A., AFACAN G., ER E., ORDU Y. C.

5th International Conference on Methodologies, Technologies and Tools enabling e-Government, Italy, 30 June 2011, pp.99-109

**XI. A New e Transformation Metric System**

AFACAN G., ARİFOĞLU A.

IFIP e-Government Conference 2010, Austria, 29 August - 02 September 2010, pp.125-132

**XII. User Acceptance of e-Government Services: Analysis of Users' Satisfaction Level Based on Technology Acceptance Model**

Yarlıkaş S., Arpacı I., Afacan Adanir G.

4th International Conference on Industrial Dynamics, Innovation Policy, and Growth, İzmir, Turkey, 21 - 22 May 2010, pp.1-10

**XIII. A New Metric System for Assessment of E Transformation**

AFACAN G., ARİFOĞLU A.

Second International Conference on e-Government and e-Governance (ICEGEG 2010), 11 - 12 March 2010, pp.169-181

**XIV. A Model Study of Public Internet Access Points for Turkey**

Arifoglu A., Er E., Afacan Adanir G.

European and Mediterranean Conference on Information Systems, İzmir, Turkey, 13 - 14 July 2009, pp.1-9

## Supported Projects

Karataş E., Gülbahar Güven Y., Güven İ., Afacan Adanir G., Doğan Karaoğlu D., Keleşoğlu S., Çabuk B., Bayraktar A., Numanoğlu M., Erasmus Project, Future Teachers Education: Computational Thinking and STEAM, 2019 - 2022

## Metrics

Publication: 49

Citation (WoS): 77

Citation (Scopus): 109

H-Index (WoS): 4

H-Index (Scopus): 6