

Assoc. Prof. ALPER BAYAZIT

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-9503-2018

ScopusID: 52363241400

Yoksis Researcher ID: 228717

Education Information

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Tıp Eğitimi (YI) (Tezli), Turkey 2019 - 2022

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Ve Öğretim Teknolojileri Eğitimi (Dr), Turkey 2007 - 2013

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Ve Öğretim Teknolojileri Eğitimi (YI) (Tezli), Turkey 2004 - 2007

Undergraduate, Hacettepe University, Eğitim Fakültesi, Bilgisayar Ve Öğretim Teknolojileri Eğitimi Bölümü, Turkey 2000 - 2004

Dissertations

Postgraduate, Tıp Fakültesi Öğrencilerinin Klinik Akıl Yürütme Süreçlerinin Öğrenme Analitikleri Entegre Edilmiş Bir Sanal Hasta Uygulaması İle İncelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Tıp Eğitimi, 2022

Doctorate, Farklı soru biçimlerinin göz hareketleri, başarımları ve cevaplama süresine olan etkilerinin incelenmesi, Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Ve Öğretim Teknolojileri Eğitimi (Dr), 2013

Postgraduate, Çevrim içi sınavlar ve kağıt-kalem sınavları arasındaki sınav süresi ve öğrenci başarımları farklılıkları, Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Ve Öğretim Teknolojileri Eğitimi (YI) (Tezli), 2007

Research Areas

Medicine Education, Computer Education and Instructional Technology

Academic Titles / Tasks

Assistant Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2023 - Continues

Lecturer, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2019 - 2023

Lecturer, MGH Institute of Health Professions, Center For Interprofessional Studies And Innovation (Cıpsı), Health Professions Education, 2020 - 2020

Assistant Professor, Yeditepe University, Faculty Of Education, Department Of Computer And Education Technologies Teaching, 2015 - 2019

Research Assistant, Rijksuniversiteit Groningen, Institute For Mathematics, Computer Science And Artificial Intelligence, Cognitive Modeling, 2011 - 2012

Academic and Administrative Experience

Assistant Director of the Institute, Yeditepe University, Institute Of Educational Sciences, 2016 - 2019

Courses

Medical Informatics, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Computer Hardware, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Computer Networks and Communication, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Artificial Intelligence in Education and Semantic Web Applications, Postgraduate, 2018 - 2019, 2017 - 2018
Information Technology, Undergraduate, 2018 - 2019
Data Mining and Social Network Analysis, Undergraduate, 2018 - 2019
Thesis, Postgraduate, 2018 - 2019, 2017 - 2018
Development and Implementation of Educational Programs, Postgraduate, 2018 - 2019
Operating Systems, Undergraduate, 2017 - 2018
Practice Teaching in Computer Education, Undergraduate, 2017 - 2018, 2016 - 2017, 2014 - 2015
Database Management Systems, Undergraduate, 2017 - 2018
Design and Development of Educational Software, Undergraduate, 2017 - 2018
STEM Applications with Robotics, Undergraduate, 2017 - 2018
Fundamentals of Object Oriented Programming for Education, Undergraduate, 2017 - 2018
Basic Computer Applications, Undergraduate, 2017 - 2018, 2015 - 2016
School Experience in Computer Education, Undergraduate, 2017 - 2018
Social Network Analysis and Data Mining, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Graphics and Visualization in Education, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Project Development in Computer Education, Undergraduate, 2016 - 2017, 2014 - 2015
School Experience, Undergraduate, 2016 - 2017, 2015 - 2016
Design and Development of Educational Games , Undergraduate, 2016 - 2017
Use of Social Media in Education, Undergraduate, 2016 - 2017
Introduction to Algorithms and Programming, Undergraduate, 2016 - 2017
Advanced Internet Programming and E-Learning , Undergraduate, 2016 - 2017
Master's Thesis, Postgraduate, 2016 - 2017
Artificial Intelligence and Semantic Web Applications in Education, Postgraduate, 2016 - 2017, 2015 - 2016
Instructional Design, Undergraduate, 2015 - 2016
Web Design for Instructional Use, Undergraduate, 2015 - 2016
Advance Internet Programming and E-Commerce, Undergraduate, 2015 - 2016, 2014 - 2015
Content and Learning Management Systems, Undergraduate, 2015 - 2016, 2014 - 2015

Advising Theses

BAYAZIT A., The Effects of Self-Regulation Skills on Students' Interaction and Success in Flipped Classroom, Postgraduate, Y.ŞERİFE(Student), 2021
BAYAZIT A., Ters yüz sınıflardaki video izleme davranışları incelenerek veri madenciliği ile başarının tahmin edilmesi, Doctorate, K.BURAK(Student), 2021
BAYAZIT A., Analysis of the relationship between media literacy and social skill levels of high school students, Postgraduate, S.AKDOĞAN(Student), 2019

BAYAZIT A., Investigating the effect of students' learning approaches on social media usage in computer education, Postgraduate, Ö.DEMİR(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring medical students' perceptions of individual and group-based clinical reasoning with virtual patients: a qualitative study**
GÖNÜLLÜ İ., BAYAZIT A., ERDEN Ş.
BMC MEDICAL EDUCATION, vol.24, no.1, 2024 (SCI-Expanded)
- II. **Decoding Video Logs: Unveiling Student Engagement Patterns in Lecture Capture Videos**
Akçapınar G., Er E., Bayazit A.
INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING, vol.25, no.2, pp.94-113, 2024 (SSCI)
- III. **The Effects of Exam Setting on Students' Test-Taking Behaviors and Performances: Proctored versus Unproctored**
Yıldırım D., Ilgaz H., Bayazit A., Akçapınar G.
International Review of Research in Open and Distributed Learning, vol.24, no.4, pp.174-193, 2023 (SSCI)
- IV. **Profiling students via clustering in a flipped clinical skills course using learning analytics**
Bayazit A., Ilgaz H., Gönüllü İ., Erden Ş.
MEDICAL TEACHER, vol.45, no.7, pp.724-731, 2023 (SCI-Expanded)
- V. **Adaptation of a short and universal learning self-efficacy scale for clinical skills in Turkish**
Bayazit A., Gonullu İ., Dogan C. D.
PLOS ONE, vol.17, no.11 November, 2022 (SCI-Expanded)
- VI. **Performance and duration differences between online and paper-pencil tests**
BAYAZIT A., Askar P.
ASIA PACIFIC EDUCATION REVIEW, vol.13, no.2, pp.219-226, 2012 (SSCI)

Articles Published in Other Journals

- I. **Digital divide affects oral and dental health students' preferences during COVID-19 outbreak: A comparison of distance and face-to-face education**
BAYAZIT A., ÖZTÜRK BAYAZIT E.
European annals of dental sciences (Online), vol.50, no.3, pp.100-105, 2023 (Peer-Reviewed Journal)
- II. **Design and Development of an Interactive Video Player for Supporting Formative Assessment in Online Learning**
Bayazit A., Akçapınar G.
Journal of Measurement and Evaluation in Education and Psychology, vol.14, no.4, pp.320-331, 2023 (ESCI)
- III. **Examining Students' Formative Test-Taking Behaviors Using Learning Analytics**
Bayazit A., Yıldırım D., Akçapınar G., Ilgaz H.
Journal of Measurement and Evaluation in Education and Psychology, vol.14, no.4, pp.382-395, 2023 (ESCI)
- IV. **Predicting At-Risk Students in an Online Flipped Anatomy Course Using Learning Analytics**
BAYAZIT A., APAYDIN N., GÖNÜLLÜ İ.
EDUCATION SCIENCES, vol.12, no.9, 2022 (ESCI)
- V. **Covid Pandemisi döneminde Uzaktan Tıp Eğitimi "Ankara Üniversitesi Tıp Fakültesi Deneyimi**
BAYAZIT A., GÖNÜLLÜ İ., ESMER A. F., APAYDIN N., BİRENGEL M. S., ŞENTÜRK CANKORUR V., KARAHAN Z. C., KARAHAN S. T., ATEŞ K., ÇELİK G. E.
Tıp Eğitimi Dünyası, vol.20, pp.114-119, 2021 (Peer-Reviewed Journal)
- VI. **Moodleminer: Data mining analysis tool for moodle learning management system MoodleMiner: Moodle öğrenme yönetim sistemi için veri madenciliği analiz Aracı**
AKÇAPINAR G., BAYAZIT A.

- Elementary Education Online, vol.18, no.1, pp.406-415, 2019 (Scopus)
- VII. **INVESTIGATING VIDEO VIEWING BEHAVIORS OF STUDENTS WITH DIFFERENT LEARNING APPROACHES USING VIDEO ANALYTICS**
AKÇAPINAR G., BAYAZIT A.
TURKISH ONLINE JOURNAL OF DISTANCE EDUCATION, vol.19, no.4, pp.116-125, 2018 (ESCI)
- VIII. **Design and development of video analytics tool for online courses Çevrimiçi dersler için video analitik aracının tasarlanması ve geliştirilmesi**
BAYAZIT A., AKÇAPINAR G.
Elementary Education Online, vol.17, no.1, pp.14-25, 2018 (Scopus)
- IX. **Investigating the relationship between task complexity, cognitive ability and disorientation in hypertext navigation**
BAYAZIT A., Bayram S., Cumaoglu G. K.
Cypriot Journal of Educational Sciences, vol.13, no.4, pp.431-443, 2018 (Scopus)
- X. **Predicting learner answers correctness through eye movements with random forest**
BAYAZIT A., Askar P., Cosgun E.
Studies in Computational Intelligence, vol.524, pp.203-226, 2014 (Scopus)

Books & Book Chapters

- I. **Uncovering Students' Temporal Quiz-Taking Behavior Patterns Using Sequence Analysis**
AKÇAPINAR G., ILGAZ H., BAYAZIT A., YILDIRIM D.
in: Assessment Analytics in Education, Advances in Analytics for Learning and Teaching, ŞAHİN MUHİTTİN, IFENTHALER DIRK, Editor, Springer, Cham, pp.19-34, 2024
- II. **Modül 8: Dönüt, Değerlendirme ve Notlandırma**
AKÇAPINAR G., BAYAZIT A.
in: Üniversiteler İçin Uzaktan Eğitim Başucu Kitabı: Her Ortamda Katılım ve Etki Yaratmak İçin Öğretim, Arif Altun, Petek Aşkar, Editor, Nobel Akademik Yayıncılık, pp.150, 2022
- III. **Modül 8: Dönüt, Değerlendirme ve Notlandırma**
AKÇAPINAR G., BAYAZIT A.
in: K-12 Sınıfları İçin Uzaktan Eğitim Başucu Kitabı: Her Ortamda Katılım ve Etki Yaratmak İçin Öğretim, Altun Arif, Aşkar Petek, Editor, Nobel Akademik Yayıncılık, pp.147-166, 2022
- IV. **Bölüm 13: Veritabanı Yönetim Sistemleri**
BAYAZIT A.
in: BİLİŞİM TEKNOLOJİLERİ: Kuramsal Yaklaşım ve Uygulamalar, Servet Bayram, Gonca Kızılkaya Cumaoglu, İlknur Kuşbeyzi Aybar, Editor, NOBEL Akademik Yayıncılık, Ankara, pp.269-288, 2020
- V. **Eğitsel Verilerde Birliktelik Kuralları Analizi**
AKÇAPINAR G., BAYAZIT A.
in: Eğitsel Veri Madenciliği ve Öğrenme Analitikleri, T. Güyer, H. Yurdugül, S. Yıldırım, Editor, Anı Yayıncılık, Ankara, pp.111-125, 2020
- VI. **Video Analitikleri: Öğrencilerin Video İzleme Stratejilerinin İncelenmesine İlişkin Bir Uygulama**
BAYAZIT A., AKÇAPINAR G.
in: E-Öğrenmede Videolar Uygulamalar ve Güncel Eğilimler, KOKOÇ, Mehmet ILGAZ, Hale, Editor, Pegem Akademi Yayıncılık, Ankara, pp.181-192, 2020
- VII. **Dört Duvardan Dijital Sınıfa: Dört Soruda Yeni Nesil Öğretmen**
KIZILKAYA CUMAOĞLU G., BAYAZIT A.
in: Eğitim Teknolojileri Okumaları 2016, İşman, Aytakin; Odabaşı, Hatice Ferhan; Akkoyunlu, Buket, Editor, The Turkish Online Journal of Educational Technology, Ankara, pp.255-269, 2016
- VIII. **Predicting Learner Answers Correctness Through Eye Movements with Random Forest**
BAYAZIT A., AŞKAR P., COŞGUN E.
in: Educational Data Mining Applications and Trends, Peña-Ayala, Alejandro, Editor, Springer International

Refereed Congress / Symposium Publications in Proceedings

- I. **MEDICAL STUDENTS OPINIONS AND SUGGESTIONS TOWARDS A FLIPPED PEDIATRIC SURGERY CLERKSHIP**
GÖLLÜ BAHADIR G., BAYAZIT A., GÖNÜLLÜ İ., ERGÜN E., ATEŞ U., KOLOĞLU M., YAĞMURLU E. A., ÇAKMAK A. M.
24th EUPSA Congress. June 7 - 10, 2023, Izmir, Turkey, Izmir, Turkey, 7 - 10 June 2023
- II. **Tıp Fakültesi Öğrencilerinin Öğrenme Yönetim Sistemi Etkileşimlerinin Kümeleme Analizi ile İncelenmesi**
BAYAZIT A., DEMİR Ö., GÖNÜLLÜ İ.
Ulusal Tıp Eğitimi Kongresi 2022, Samsun, Turkey, 19 May 2022
- III. **Öğrenme Analitikleri Entegre Edilmiş Bir Sanal Hasta Simülasyonunun Geliştirilmesi, Uygulanması ve Test Edilmesi**
BAYAZIT A., GÖNÜLLÜ İ.
Ulusal Tıp Eğitimi Kongresi 2022, Samsun, Turkey, 19 May 2022
- IV. **XAMINING THE EFFECT OF MEDICAL STUDENTS' ACADEMIC PROCRASTINATION ON BEHAVIORAL ENGAGEMENT AND ACHIEVEMENT USING LMS LOG DATA**
BAYAZIT A., GÖNÜLLÜ İ., APAYDIN N.
16th Congress of the European Association of Clinical Anatomy (EACA) will be held ONLINE jointly with the XII Meeting of the International Symposium of Clinical and Applied Anatomy (ISCAA), Padova, Italy, 14 - 16 September 2021
- V. **Tıbbi Mikrobiyoloji Dersinde Yeni Nesil Bir Öğrenme Metodu.**
ÇOPUR ÇİÇEK A., ÖZYURT S., BAYAZIT A., GÖNÜLLÜ İ.
XI. Ulusal Tıp Eğitimi Çevrim İçi Kongresi UTEK'20., İstanbul, Turkey, 12 October 2020
- VI. **Using Learning Analytics for Flipped Classrooms to Predict At-Risk Students in Objective Structured Clinical Examination (OSCE).**
BAYAZIT A., GÖNÜLLÜ İ., ILGAZ H., Erden Ş.
13th Academic International Conference on Social Sciences and Humanities, BOSTON, United States Of America, 18 August 2020
- VII. **Tıp Eğitiminde Ters-Yüz Sınıf Modelinin Öğrenci Etkileşimleri Açısından İncelenmesi**
BAYAZIT A., ILGAZ H., ERDEN Ş., GÖNÜLLÜ İ.
Vith International Eurasian Educational Research Congress, Ankara, Turkey, 19 - 22 June 2019, pp.2544-2545
- VIII. **Investigation of University Students Selective Course Preferences with Association Rule Mining**
BAYAZIT A., BAYRAM S.
Conference: 5th International Instructional Technologies Teacher Education Symposium (ITTES 2017), 11 - 13 October 2017
- IX. **Öğrencilerin Video İzleme Örüntülerinin Zaman Serisi Grafikleri ile Analiz Edilmesi**
AKÇAPINAR G., BAYAZIT A.
5. Uluslararası Öğretim Teknolojileri ve Öğretmen Eğitimi Sempozyumu (ITTES), İzmir, Turkey, 11 - 13 October 2017, pp.265
- X. **The Effects of Different Task Types on Learners' Video Viewing Behavior**
AKÇAPINAR G., BAYAZIT A.
ISNITE 2017, New Issues on Teacher Education Symposium, 29 - 31 August 2017
- XI. **Sentiment Analysis of Twitter Posts Related to Coding Education**
BAYAZIT A.
International Computer & Instructional Technologies Symposium, 24 - 26 May 2017
- XII. **Farklı Öğrenme Yaklaşımına Sahip Öğrencilerin Video İzleme Davranışlarının Video Analitik Yöntemi ile İncelenmesi**
AKÇAPINAR G., BAYAZIT A.

11. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu (ICITS), Malatya, Turkey, 24 - 26 May 2017, pp.82
- XIII. **Çevrimiçi Dersler için Video Analitik Aracının Tasarlanması ve Geliştirilmesi**
BAYAZIT A., AKÇAPINAR G.
11. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu (ICITS), Malatya, Turkey, 24 - 26 May 2017, pp.497
- XIV. **HOW TO DESIGN A QUESTION: SYMBOLIC REPRESENTATION OR TEXT PASSAGE? EVIDENCE FROM EYE MOVEMENTS**
BAYAZIT A., ASKAR P.
8th International Conference on Education and New Learning Technologies (EDULEARN), Barcelona, Spain, 4 - 06 July 2016, pp.691-696
- XV. **Differences in Visual Attention Between Successful and Unsuccessful Problem Solvers**
BAYAZIT A., AŞKAR P.
ISER 2015 World Conference on Education, İstanbul, Turkey, 10 - 12 June 2015
- XVI. **Şekil Yeteneği ve Mantıksal Akıl Yürütme Sorularının Göz Hareketi İzleme Yöntemi ile İncelenmesi**
BAYAZIT A., AŞKAR P.
1st International Instructional Technologies & Teacher Education Symposium, Trabzon, Turkey, 26 - 28 July 2013
- XVII. **Investigating the Differences Between Online and Paper Pencil Tests**
BAYAZIT A., AŞKAR P.
World Conference on Educational Technology Researches, Girne, Cyprus (Kkct), 5 - 09 July 2011
- XVIII. **Türkiyedeki teknoloji politikalarında eğitimin yeri ve öğretmen yetiştirme politikaları**
BAYAZIT A., SEFEROĞLU S. S.
TBD 26. Ulusal Bilişim Kurultayı, Turkey, 01 December 2009
- XIX. **Erozyonla mücadelede yeni bölgeler Erozyon konusunun ve önleme yöntemlerinin 3 boyutlu çok kullanıcı bir oyunda öğrenilmesi**
BAYAZIT A., BAŞ T., TÜZÜN H.
VII. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Turkey, 4 - 05 September 2006

Supported Projects

Bayazıt A., Gönüllü İ., Apaydın N., Akçapınar G., Kokoç M., TUBITAK Project, Etkileşimli Videoların Öğrencilerin Video İzleme Davranışlarına Ve Öğrenmeye Etkisinin Video Analitikler İle İncelenmesi, 2022 - 2023

Gönüllü İ., Bayazıt A., Erden Ş., Project Supported by Higher Education Institutions, Tıp Eğitiminde Standardize Hasta Kullanımının Hekimlik Becerilerinin Kazanımına Etkisinin İncelenmesi, 2021 - 2023

Fıçıcılar H., Topal Çelikkan F., Devrim E., Tekeli F. A., Bayazıt A., Erdemli E., Project Supported by Higher Education Institutions, -Tıp Eğitiminde Entegre Laboratuvar Uygulamalarının Mezuniyet Öncesi Öğrenci Memnuniyeti ve Öğrenmenin Kalıcılığı Üzerine Etkisi , 2021 - 2023

Bayazıt A., Kokoç M., TUBITAK Project, Eğitimde Büyük Veri Uygulamaları ve Öğrenme Analitikleri, 2021 - 2021

Bayazıt A., Akçapınar G., TUBITAK Project, E-Eğiticiler için Yapay Zeka Destekli Öğrenci İzleme ve Değerlendirme Sisteminin Geliştirilmesi, 2020 - 2021

Scientific Refereeing

EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, Journal Indexed in SSCI, December 2022

EDUCATION AND INFORMATION TECHNOLOGIES, Journal Indexed in SSCI, November 2022

TUBITAK Project, 4004 - Nature Education and Science Schools, Ankara University, Turkey, November 2022

EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, Journal Indexed in SSCI, October 2022

EDUCATION AND INFORMATION TECHNOLOGIES, Journal Indexed in SSCI, October 2022

SMART LEARNING ENVIRONMENTS, Journal Indexed in SSCI, October 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University,

Turkey, October 2022

EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, Journal Indexed in SSCI, September 2022

EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, Journal Indexed in SSCI, September 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University, Turkey, August 2022

EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, Journal Indexed in SSCI, July 2022

EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, Journal Indexed in SSCI, July 2022

COMPUTERS IN HUMAN BEHAVIOR, SCI Journal, June 2022

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Ankara University, Turkey, May 2022

COMPUTERS & EDUCATION, SCI Journal, January 2022

SMART LEARNING ENVIRONMENTS, Journal Indexed in ESCI, January 2022

MEDICAL EDUCATION, SCI Journal, December 2021

Metrics

Publication: 43

Citation (WoS): 29

Citation (Scopus): 55

H-Index (WoS): 3

H-Index (Scopus): 4

Invited Talks

Tıp Eğitiminde Öğrenme Analitikleri ve Değerlendirme, Conference, 7th International Congress of Measurement and Evaluation in Education and Psychology, Turkey, September 2021

Learning Analytics in Medical Education, Seminar, Brigham and Women's Hospital, Boston, MA, United States Of America, August 2020

Scholarships

Visiting Scholar, Fulbright Program, 2020 - 2020