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PERSONAL INFORMATION

Nationality: Turkish

Place / Date of birth: Kirsehir, Turkey - 01/08/1983

Marital Status: Married

 <https://orcid.org/0000-0003-2189-7294>

RESEARCH INTERESTS

Technology-enhanced learning and teaching in collaborative and project-based learning environments
multimodal learning analytics to provide specific, timely feedback across online and blended learning
mobile and ubiquitous learning, educational data mining, predictive analytics, artificial intelligence in
education, machine learning, deep learning

EDUCATION INFORMATION

Ph.D. 2013 - 2018: Hacettepe University, Graduate School of Educational Sciences, Department
Computer Education and Instructional Technologies, Ankara, Turkey. (GPA: 3.82/4 - 95.8/100)

Master's Degree 2009 - 2012: Sakarya University, Graduate School of Educational Sciences,
Department Computer Education and Instructional Technologies, Sakarya, Turkey. (GPA: 3.63/4)

Bachelor's Degree 2003 - 2007: Gazi University, Faculty of Education, Department of Computer
Education and Instructional Technology, Ankara, Turkey. (GPA: 3.19/4)

JOB EXPERIENCE

02/2009 - Current: Lecturer, School of Education at Uşak University, Uşak, Turkey

08/2008-02/2009: Software developer, Manager, Fatih IT Ltd., Ankara, Turkey

07/2007-08/2008: IT specialist, Gazi University, Ankara, Turkey

05/2007-02/2009: Part-time instructor, Bilginc IT Academy, Ankara, Turkey

09/2003-07/2007: Software developer, system administrator, Gazi University IT Department,
Ankara, Turkey

LANGUAGE PROFICIENCY

Turkish - Native

English - Reading: Advanced Writing: Advanced Speaking: Advanced

COMPUTER SKILLS

Advanced local, web and mobile software development, Office Suite, Video Editing software,
and LMSs; Adobe Creative Suite Software. Designing and developing machine learning and
computer vision applications. Advance knowledge in Python and PHP. Knowledge in using and
programming R. Knowledge in using statistics software SPSS, Lisrel, and Mplus.

PROJECT EXPERIENCE

Vocational Education of Visually Impaired People via Distance Education (European Union Supported), Lifelong Learning Programme, Leonardo da Vinci Vocational Education Transfer of Innovation Project, Researcher (2010 - 2012)

Becoming Visible With Computers (European Union Supported Instrument for Pre-accession Assistance IPA), Lecturer (2010 - 2011)

CERTIFICATES

Neural Networks and Deep Learning (2019). DeepLearning.AI (Stanford University)

<http://coursera.org/verify/527PGQY46MM5>

Python Basics (2020). University of Michigan <http://coursera.org/verify/WMVTG7DR6WQ4>

Python Functions, Files, and Dictionaries (2020). University of Michigan

<http://coursera.org/verify/AZH2N4L54QP3>

WORKING PAPERS AND PAPERS UNDER REVIEW

Ekici, M. (Under review). Agency as the fourth aspect of student engagement in e-learning: a validation study. *Education and Information Technologies*.

Ekici, M., & Inel-Ekici, D. (Under review). Fostering critical thinking through participating in a mobile community of inquiry. *Technology Pedagogy and Education*.

Inel-Ekici, D., & Ekici, M. (Under review). Mobile inquiry and inquiry-based science learning in higher education: advantages, challenges, and attitudes. *Asia Pacific Education Review*.

Exploring online student engagement patterns during emergency remote education using latent profile analysis

Improving scientific epistemological beliefs in a mobile learning community: an epistemic network analysis

A meta-analysis on the effectiveness of learning analytics dashboards

Infographics in education: methods, challenges and advantages

PUBLISHED PAPERS

Çınar, M., Ekici, M., & Demir, Ö. (In press). Medication or Band-aid? Revisiting University Students' Readiness for Online Education. *Turkish Online Journal of Distance Education*.

Çınar, M., Ekici, M., & Demir, Ö. (In press). A snapshot of in-service teachers' e-learning readiness prior to the pandemic induced transition to e-learning in Turkey. *Teaching and Teacher Education*.

Ekici, M. (2021). A systematic review of the use of gamification in flipped learning. *Education and Information Technologies*. DOI: 10.1007/s10639-020-10394-y

Inel Ekici, D , Ekici, M , Can, I. (2020). Fen Bilimleri Öğretmen Adaylarının Lisansüstü Eğitim Hakkındaki Görüşlerinin, Beklentilerinin ve Farkındalıklarının İncelenmesi . SDU International Journal of Educational Studies , 7 (2) , 212-227 . DOI: 10.33710/sduijes.676425

Ekici, M., & Çınar, M. (2020). The Validity and Reliability Study of the Turkish Version of Computer Programming Self-Efficacy Scale. *Anadolu Journal Of Educational Sciences International*, 1019–1042. DOI: 10.18039/ajesi.725161

Ekici, M., & Erdem, M. (2020). Developing Science Process Skills through Mobile Scientific Inquiry. *Thinking Skills and Creativity*, 100658. DOI: 10.1016/j.tsc.2020.100658

Ekici, M., Inel-Ekici D. & Altunışık, S. (2015). Investigation of Pre service Teachers Web Pedagogical Content Knowledge According to Different Variables. *The journal of Social Research*, 8(41), 960-967.

Ekici, M. & Kiyici, M. (2012). Using Social Networks in Educational Context. *Usak University Journal of Social Sciences*, 5(2), 156-167

PRESENTATIONS

Çınar, M., Demir, Ö., & Ekici, M. (2020, December). An examination of pandemic-induced emergency distance education process in higher education context: Student reflections. Paper presented at EDUCON 2020, Turkey

Kurt, A., Özdemir, M., Yılmaz, A., Yedican, U., & Ekici, M. (2018). Usability evaluation of a public university web site. 2nd International Education Research And Teacher Education Congress, Adnan Menderes University, Aydın- Turkey

Ekici, M., & Erdem, M., (2018). Developing Scientific Thinking Skills via Mobile Scientific Inquiry. 12th International Computer & Instructional Technologies Symposium - ICITS 2018, Ege University, Izmir - Turkey

Ekici, M., Inel- Ekici, D., & Erdem, M., (2018). Investigation of the Effects of Science Education Oriented Mobile Learning Applications on the Scientific Epistemological Beliefs of Prospective Teachers. 12th International Computer & Instructional Technologies Symposium - ICITS 2018, Ege University, Izmir - Turkey

Inel- Ekici, D., Altunışık, S., & Ekici, M. (2018). Determination of Pre-Service Teachers' Beliefs towards the Nature of Intelligence. International Congress on Science and Education 2018 (ICSE2018), Afyon - Turkey

Ekici, M., Erdem, M., & Inel- Ekici, D. (2017). Investigation of the Effect of Mobile Learning Activities on Critical Thinking Tendencies of Teacher Candidates. 5th International Instructional Technologies Teacher Education Symposium, Izmir, Turkey

Ekici, M. & Tüzün, H. (2016). Evaluation of Eba Web Portal Usability by Eye Tracking, International Eurasian Educational Research Congress, Muğla, Turkey

Ekici, M., Coskun, H. I., & Yurdugul, H. (2014). Investigation of the relationship between learning approaches and online self-regulation behavior. *Procedia-Social and Behavioral Sciences*, 141, 285-289. DOI: 10.1016/j.sbspro.2014.05.050

Karaman, K., Ekici M. & Akgün, E. (2011). Examining Effects of Different Levels of Blended Learning Activities on Student Achievement and Retention of Learning. International Conference on New Horizons in Education, Guarda, Portugal

Karaman, K., Ekici, M. & Karabulut, B. (2009). Digital Citizenship. Understanding Europeanness and Promoting European Citizenship In Turkey Conference, Uşak, Turkey

BOOK CHAPTERS

Ekici, M. & Inel-Ekici, D. (In press). Factors Influencing Student Engagement During Covid-19 emergency remote teaching. In Bozkurt, A. (Ed). *Examining Emerging Pedagogies for the Future of Education: Trauma-Informed, Care, and Pandemic Pedagogy* (pp xx-xx). IGI Global.

Kışla, T. & Ekici, M. (2020). Mobil öğrenme teknolojisi [Mobile learning technologies]. Mukaddes Erdem & Firat Sarsar (Eds). *Dijital Teknoloji Aracılı Düşünme Öğretimi* (pp. 405-432). Pegem Publishing

Inel-Ekici, D. & Ekici, M. (2020). PISA ve TIMSS uygulamaları, özellikleri ve fen öğretimi müfredatına yansımaları. (Ed. Şengül S. Anagün) *Fen öğretimi programları*. Anı Publishing

Ekici, M. & Tüzün, H. (2016). Eğitim bilişim ağı (EBA) web portalı kullanılabilirliğinin göz izleme yöntemiyle değerlendirilmesi [Usability evaluation of EBA web portal by using authentic tasks and eye-tracking]. Aytekin İşman, Ferhan Odabaşı & Buket Akkoyunlu (Eds). *Eğitim Teknolojileri Okumaları 2016* (pp. 273 - 296). TOJET - Sakarya University.

Erdem, M. & Ekici, M. (2016). Yapılandırmacı değerlendirme ve çevrimiçi öğrenme ortamları [Web-based learning environments and constructivist assessment]. Aytekin İşman, Ferhan Odabaşı & Buket Akkoyunlu (Eds). *Eğitim Teknolojileri Okumaları 2016* (ss. 575 - 589). TOJET - Sakarya University.

TEACHING EXPERIENCE (Last two years)

Fall 2020

Introduction to Object Oriented Programming – 48 Students.

Introduction to Project Management – 33 Students.

Distance education – 33 Students

Spring 2020

Human-Computer Interaction - 32 Students.

Design and Development of Multimedia Learning Environments - 33 Students.

Artificial Intelligence in education – 32 Students

Fall 2019

Principles of Instruction - 36 Students.

Web based programming – 35 Students

Information and communication technologies I (Distance) – 600 students

Spring 2019

Learning management systems – 30 Students

Artificial Intelligence in education – 35 Students

Information and communication technologies II (Distance) – 690 students

REFERENCES

Mazman, S. G., Ph.D., Usak University, Department of Computer Education & Instructional Technologies. Phone: +90 (536) 824 2000 Email: s.guzin@gmail.com

Yıldırım, S., Ph.D., Middle East Technical University, Department of Computer Education & Instructional Technologies. Phone: +90 (312) 210 40 57 Email: soner@metu.edu.tr

Mr. Jürgen Hüllen, Berufsförderungswerk Düren gGmbH, Phone: +49 02421 598-238 Email: juergen.huellen@bfw-dueren.de