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International Researcher IDs

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Education Information

Doctorate, Indiana University Bloomington, School of Education, Instructional Systems Technology, United States Of America 2011 - 2017

Postgraduate, Indiana University Bloomington, School of Education, Instructional Systems Technology, United States Of America 2009 - 2011

Undergraduate, Kocaeli University, Turkey 2001 - 2005

Dissertations

Doctorate, What do secondary computer science teachers need? Examining curriculum, pedagogy, and contextual support, Indiana University Bloomington, 2017

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Education, Department of Computer Education and Instructional Technology, 2021 - Continues

Assistant Professor, Inonu University, Eğitim Fakültesi, 2019 - 2021

Lecturer, Indiana University Bloomington, School of Informatics, Computing and Engineering, 2017 - 2018

Research Assistant, Indiana University Bloomington, Center for Research on Learning and Technology, 2016 - 2017

Research Assistant, Indiana University Bloomington, School of Education, Instructional Systems Technology, 2010 - 2015

Academic and Administrative Experience

Vice Dean, Inonu University, Eğitim Fakültesi, 2020 - 2021

Birim Kalite Komisyonu Üyesi, Inonu University, Eğitim Fakültesi, 2020 - 2021

Erasmus Coordinator, Inonu University, Eğitim Fakültesi, Bilgisayar Ve Öğretim Teknolojileri Eğitimi, 2019 - 2021

Advising Theses

SADIK O., Sürükleyici sanal gerçeklik kullanımının yabancı dil eğitiminde dinleme becerisine etkisi, Postgraduate,

Y.BOZDEMİR(Student), 2022

SADIK O., Exploring teachers' understanding of collaborative learning and teamwork strategies in makerspaces, Postgraduate, J.AMAYOU(Student), 2022

SADIK O., Learners' collaboration experiences in online teams and their perceptions of teamwork strategies in an online graduate class, Postgraduate, M.DİLEK(Student), 2022

SADIK O., Temel programlama dersinde ters-yüz edilmiş sınıflar yaklaşımının uygulanmasına ilişkin öğrenci deneyimleri, Postgraduate, D.TAŞKIN(Student), 2022

SADIK O., Implementing a design framework for enhancing student-centered learning in an online graduate class, Postgraduate, O.ÖZGÜN(Student), 2021

SADIK O., Sınıf öğretmenlerinin Covid-19 pandemisi ile gelişen uzaktan öğretim süreci ile ilgili hazırbulunuşlukları tecrübeleri ve görüşleri, Postgraduate, A.BARAN(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Design and skill labs: Identifying teacher competencies and competency-related needs in Turkey's national makerspace project**
Demirata A., SADIK O.
JOURNAL OF RESEARCH ON TECHNOLOGY IN EDUCATION, vol.55, no.2, pp.163-189, 2023 (SSCI)
- II. **Evolution of Teachers' Technology Integration Knowledge, Beliefs, and Practices: How Can We Support Beginning Teachers Use of Technology?**
Ottenbreit-Leftwich A., Liao J. Y., SADIK O., Ertmer P.
JOURNAL OF RESEARCH ON TECHNOLOGY IN EDUCATION, vol.50, no.4, pp.283-305, 2018 (SSCI)
- III. **Teacher beliefs and technology integration practices: A critical relationship**
Ertmer P. A., Ottenbreit-Leftwich A. T., Sadik O., Sendurur E., Sendurur P.
COMPUTERS & EDUCATION, vol.59, no.2, pp.423-435, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Understanding U.S. secondary computer science teachers' challenges and needs**
SADIK O., Ottenbreit-Leftwich A. T.
COMPUTER SCIENCE EDUCATION, 2023 (ESCI)
- II. **Applying the personalization principle of multimedia learning theory in second language listening classes**
YEŞİLDAĞ C., SADIK O.
Ahi Evran Üniversitesi Kırşehir Eğitim Fakültesi Dergisi, vol.22, no.2, pp.1036-1070, 2021 (Peer-Reviewed Journal)
- III. **COVID 19 sürecinde sınıf öğretmenlerinin acil uzaktan öğretim tecrübelerinin ve görüşlerinin incelenmesi**
BARAN A., SADIK O.
Uludağ Üniversitesi Eğitim Fakültesi Dergisi, vol.34, no.2, pp.813-854, 2021 (Peer-Reviewed Journal)
- IV. **Geriye doğru tasarım modeli ve ters yüz edilmiş sınıflar yaklaşımı çerçevesinde bir öğretim tasarımı dersi tasarımı ve uygulaması**
SADIK O., ERGÜLEÇ F.
İnönü Üniversitesi Eğitim Fakültesi Dergisi, vol.22, no.2, pp.1544-1596, 2021 (Peer-Reviewed Journal)
- V. **Sınıf öğretmenlerinin acil uzaktan eğitim sürecindeki hazırbulunuşlukları ve görüşleri**
BARAN A., SADIK O.
Adıyaman Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.38, no.1, pp.1-33, 2021 (Peer-Reviewed Journal)
- VI. **The effects of authentic and interactive video tasks on students extra listening practices**
KAYNAR N., SADIK O.
Kuramsal Eğitim Bilim, vol.14, no.3, pp.291-307, 2021 (Peer-Reviewed Journal)

- VII. **Exploring a community of practice to improve quality of a technology integration course in a teacher education institution**
SADIK O.
Contemporary Educational Technology, vol.13, no.1, pp.53-69, 2021 (Scopus)
- VIII. **Secondary computer science teachers' pedagogical needs**
SADIK O., OTTENBREIT LEFTWICH A. T., BRUSH T.
INTERNATIONAL JOURNAL OF COMPUTER SCIENCE EDUCATION IN SCHOOLS, vol.4, no.1, pp.33-52, 2020 (Peer-Reviewed Journal)
- IX. **Technology in early childhood education: Electronic books for improving students' literacy skills**
KAYNAR N., SADIK O., BOICHUK E.
TechTrends, vol.64, pp.911-921, 2020 (ESCI)
- X. **Critical participatory action research: A design to empower women in a teacher education institution**
SADIK O.
International Journal of Research in Teacher Education, vol.10, no.2, pp.20-27, 2019 (Peer-Reviewed Journal)
- XI. **A discussion of the concepts of validity and reliability in qualitative and quantitative Research**
SADIK O.
Mediterranean Journal of Educational Research, vol.13, no.28, pp.145-156, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **İngilizce dinleme becerisi geliştirmede etkileşimli ve özgün videolar**
KAYNAR N., SADIK O.
in: E-Öğrenmede Videolar: Uygulamalar ve Güncel Eğilimler, Mehmet KOKOÇ, Hale ILGAZ, Editor, PEGEM, pp.97-115, 2020
- II. **Tasarım odaklı düşünme yaklaşımı: Arduino ile proje geliştirme süreci**
SADIK O., ERGÜLEÇ F., OKTAY O.
in: Güncel Öğrenme Teknolojileri ve Materyal Tasarımı, KELEŞ ESRA, KOKOÇ MEHMET, Editor, PEGEM, pp.191-222, 2020
- III. **Computational thinking conceptions and misconceptions: Progression of preservice teacher thinking during computer science lesson planning**
SADIK O., OTTENBREIT LEFTWICH A. T., HAMİD N.
in: Emerging research, practice, and policy on computational thinking, P. Rich ve C. B. Hodges, Editor, Springer, pp.221-238, 2017
- IV. **Teacher beliefs and technology integration practices: Examining the alignment between espoused and enacted beliefs**
ERTMER P. A., OTTENBREIT LEFTWICH A. T., SADIK O., ŞENDURUR E., ŞENDURUR P.
in: Teachers' Pedagogical Beliefs, J. König, Editor, Waxman, pp.149-170, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **The effects of personalization principle of multimedia learning on listening performance**
YEŞİLDAĞ C., SADIK O.
7. Uluslararası Öğretim Teknolojileri ve Öğretmen Eğitimi Sempozyumu, 30 October - 01 November 2019
- II. **Okul öncesinde süreç odaklı FeTeMM eğitimi: Öğretmen görüşleri**
SADIK O.
4. Uluslararası Türk Bilgisayar ve Matematik Eğitimi Sempozyumu, 26 - 28 September 2019
- III. **Tasarım durum deseni: Öğrenci merkezli öğrenme ortamı örneği**
SADIK O.
4. Uluslararası Türk Bilgisayar ve Matematik Eğitimi (BILMAT) Sempozyumu, 26 - 28 September 2019

- IV. **Designing a learning environment based on backwards design model and flipped learning approach**
SADIK O.
7. Uluslararası Öğretim Teknolojileri ve Öğretmen Eğitimi Sempozyumu (ITTES), 30 October - 01 November 2019
- V. **Sense of community for distance education: Asynchronous discussion strategies**
STEPHENSON S., SADIK O.
7. Uluslararası Öğretim Teknolojileri ve Öğretmen Eğitimi Sempozyumu (ITTES), 30 October - 01 November 2019
- VI. **Bilgisayar bilimi eğitiminde yöneticiler ve ailelerin önemi**
SADIK O.
Fatih Projesi Eğitim Teknolojileri Zirvesi, 2 - 03 November 2018
- VII. **Bilişim teknolojileri öğretmenleri maker hareketiyle elektronikten robotiğe tasarlayıp üretiyor**
BAYRAKTAR A., SADIK O., BAYRAKTAR R., TERZİ A.
Fatih Projesi Eğitim Teknolojileri Zirvesi, 2 - 03 November 2018
- VIII. **Evolution of teacher technology knowledge, beliefs and practices**
OTTENBREIT LEFTWICH A. T., LIAO J. Y., SADIK O.
The International Society for Technology in Education (ISTE) Conference 2016, 26 - 29 June 2016
- IX. **Bilgisayar bilimi müfredatı oluşturmaya yönelik bilişim teknolojileri öğretmenlerinin görüşleri**
SADIK O., KIDIMAN E., IŞIK A., TOPCU A. E.
10. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu (ICITS), 16 - 18 May 2016
- X. **Longitudinal study of teachers' technology integration knowledge, beliefs, and intentions/practices evolution: preservice to induction**
OTTENBREIT LEFTWICH A. T., LIAO J. Y., SADIK O.
The Association for Educational Communications and Technology (AECT) 2015 Conference, 3 - 07 November 2015
- XI. **Does school context matter: Technology integration barriers in charter schools**
SADIK O., DAĞLI C., ERGÜLEÇ F.
The Association for Educational Communications and Technology (AECT) 2015 Conference, 3 - 07 November 2015
- XII. **Encouraging women to become CS teachers**
SADIK O.
ACM GenderIT '15, 24 - 25 April 2015, pp.57-61
- XIII. **Tablet PCs in Turkish educational system**
KIZILBOĞA R., SADIK O.
The Association for Educational Communications and Technology (AECT) 2014 Conference, 4 - 08 November 2014
- XIV. **Evolution of teachers' technology knowledge, beliefs and integration**
OTTENBREIT LEFTWICH A. T., LIAO J. Y., SADIK O.
The International Society for Technology in Education (ISTE) Conference 2014, 28 June - 01 July 2014
- XV. **How to make a preservice teacher technology integration course better: Participatory action research**
SADIK O.
American Educational Research Association Conference 2014, 3 - 07 April 2014
- XVI. **Technology integration concerns: Expanding the dialogue between pre-service teachers and exemplary technology-using in-service teachers**
HOEY B., ASLAN S., ZACHMEIER A., SADIK O., GLAZEWSKI K., OTTENBREIT LEFTWICH A. T., Brush T.
The Association for Educational Communications and Technology (AECT) 2013 Conference, 29 October - 02 November 2013
- XVII. **Preparing future teachers for the movement to increase opportunities and technology project goals**
SADIK O., ÇELİK S., OTTENBREIT LEFTWICH A. T.
The Association for Educational Communications and Technology (AECT) 2013 Conference, 29 October - 02 November 2013
- XVIII. **Developing an online instructional tutorial for improving correct use of APA style in scholarly writing: A design case**
DEMİRAL ÜZAN M., DAĞLI C., ERGÜLEÇ F., JIA X., SADIK O., TOMITA K.
The Association for Educational Communications and Technology (AECT) 2013 Conference, 29 October - 02

November 2013

XIX. Investigating tech-savvy pre-service teachers' technology integration knowledge, beliefs and intentions

SADIK O., OTTENBREIT LEFTWICH A. T., LIAO J. Y.

The Association for Educational Communications and Technology (AECT) 2013 Conference, 29 October - 02 November 2013

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