

## Asst. Prof. OLGUN SADIK

### Personal Information

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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, Technical Education Faculty, Computers And Electronics Education, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, What do secondary computer science teachers need? Examining curriculum, pedagogy, and contextual support, Indiana University Bloomington, School Of Education, Instructional Systems Technology, 2017

### Research Areas

Social Sciences and Humanities, Education, Educational Sciences, Curriculum Development, Educational Technology, Curriculum Development and Teaching Methods, Computer Education and Instructional Technology, Technical Education, Education in Computer Technology, Teacher Training

### Academic Titles / Tasks

Assistant Professor, Inonu University, Eğitim Fakültesi, Bilgisayar Ve Öğretim Teknolojileri Eğitimi, 2019 - Continues

Lecturer PhD, Inonu University, Eğitim Fakültesi, Bilgisayar Ve Öğretim Teknolojileri Eğitimi, 2018 - 2019

Lecturer PhD, Indiana University Bloomington, School Of Informatics Computing And Engineering, Computer Science, 2017 - 2018

Research Assistant, Indiana University Bloomington, School Of Education, Center For Research On Learning And Technology, 2014 - 2017

Lecturer, Indiana University Bloomington, School Of Education, Instructional Systems Technology, 2011 - 2014

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

- I. **A discussion of the concepts of validity and reliability in qualitative and quantitative research**  
SADIK O.  
Akdeniz Eğitim Araştırmaları Dergisi, vol.13, no.28, pp.145-156, 2019 (SCI-Expanded)
- 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)
- IV. **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, 1 (SSCI)

## **Articles Published in Other Journals**

- I. **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)
- II. **Technology in Early Childhood Education: Electronic Books for Improving Students' Literacy Skills**  
Kaynar N., SADIK O., Boichuk E.  
TECHTRENDS, vol.64, no.6, pp.911-921, 2020 (ESCI)
- III. **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)

## **Books & Book Chapters**

- I. **Computational Thinking Conceptions and Misconceptions: Progression of Preservice Teacher Thinking During Computer Science Lesson Planning**  
SADIK O., OTTENBREIT-LEFTWICH A. T., Nadiruzzaman H.  
in: Emerging Research, Practice, and Policy on Computational Thinking, Rich, P., Hodges, C., Editor, Springer, New York, Ny, pp.221-238, 2017
- II. **Teacher beliefs and technology integration practices: Examining the alignment between espoused and enacted beliefs.**  
ERTMER P. A., OTTENBREIT-LEFTWICH A. T., SADIK O., SENDURUR E., SENDURUR P.  
in: Teachers' Pedagogical Beliefs, König J., Editor, Waxman, Münster, pp.146-169, 2012

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

- I. **Bilgisayar bilimi eğitiminde yöneticiler ve ailelerin rolü**  
SADIK O.  
Fatih Projesi Eğitim Teknolojileri Zirvesi, Ankara, Turkey, 2 - 03 November 2018, pp.493-497
- II. **Bilişim Teknolojileri Öğretmenleri Maker Hareketiyle Elektronikten Robotiğe Tasarlayıp Üretiyor**  
Bayraktar A., SADIK O., Terzi A., Bayraktar R.  
Fatih Projesi Eğitim Teknolojileri Zirvesi, Ankara, Turkey, 2 - 03 November 2018, pp.9-15
- III. **Computational thinking conceptions and misconceptions: Progression of preservice teacher thinking**

### **during computer science lesson planning**

SADIK O.

International Computing Education Research Conference, Tacoma, Wa, United States Of America, 18 - 20 August 2017, pp.85

- IV. **Secondary computer science teachers' knowledge and school setting related needs**  
SADIK O.  
Association for Educational Communications and Technology Conference, Las Vegas, Nv, United States Of America, 17 - 21 October 2016
- V. **Evolution of teacher technology knowledge, beliefs and practices. Pre-service to in-service**  
OTTENBREIT-LEFTWICH A. T., Liao Y., SADIK O.  
International Society for Technology Education Conference, Denver, Co, United States Of America, 26 - 29 June 2016
- VI. **Encouraging women to become cs teachers**  
Sadik O.  
3rd Conference on Advancing Diversity, GenderIT 2015, Pennsylvania, United States Of America, 24 - 25 April 2015, pp.57-61
- VII. **How to make a pre-service technology integration course better**  
SADIK O.  
American Educational Research Association Conference, Philadelphia, Pa, United States Of America, 4 - 08 November 2014
- VIII. **Evolutions of teacher technology knowledge, beliefs and integrations: Beyond the college**  
OTTENBREIT-LEFTWICH A. T., SADIK O., Liao Y.  
International Society for Technology Education Conference, Atlanta, Ga, United States Of America, 28 June - 01 July 2014
- IX. **Preparing future teachers for the movement to increase opportunities and technology project goals**  
SADIK O., Çelik S., OTTENBREIT-LEFTWICH A. T.  
Association for Educational Communications and Technology Conference, Anaheim, Ca, United States Of America, 30 October - 02 November 2013
- X. **Investigating tech-savvy pre-service teachers' technology integration knowledge, beliefs and intentions**  
SADIK O., OTTENBREIT-LEFTWICH A. T., Liao Y.  
Association for Educational Communications and Technology Conference, Anaheim, Ca, United States Of America, 30 October - 02 November 2013
- XI. **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. A.  
Association for Educational Communications and Technology Conference, Anaheim, Ca, United States Of America, 30 October - 02 November 2013

## **Supported Projects**

OKUŞLUK F., SADIK O., BAKIR H. G., Project Supported by Higher Education Institutions, Öğrenci merkezli yenilikçi öğrenme ortamları uygulama ve araştırmaları, 2021 - 2023

SADIK O., ERGÜLEÇ F., Project Supported by Higher Education Institutions, Bilgisayar Bilimi Eğitimi Eylem Araştırması: Öğrenci Merkezli Öğretim Tasarımı, 2019 - 2021

SADIK O., TUBITAK Project, Bilişim Teknolojileri Öğretmenleri Maker Hareketiyle Elektronikten Robotiğe Tasarlayıp Üretiyor, 2018 - 2018

## **Metrics**

Publication: 21

Citation (WoS): 401

Citation (Scopus): 494

H-Index (WoS): 2

H-Index (Scopus): 3

## **Congress and Symposium Activities**

Kültür ve Turizm Bakanlığı Halk Kütüphanelerinde Maker Hareketleri, Invited Speaker, Ankara, Turkey, 2018

## **Scholarships**

Service Learning Graduate Fellowship, University, 2015 - Continues

Scholarship of Teaching and Learning, University, 2013 - Continues

## **Awards**

SADIK O., Larson Award, Indiana University, Instructional Systems Technology, May 2015

SADIK O., Kemp Award, Indiana University, Instructional Systems Technology, May 2015

SADIK O., Travel Grant, Indiana University, Center for Research on Learning and Technology, January 2015

SADIK O., Larson Award, Indiana University, Instructional Systems Technology, May 2014