

Asst. Prof. ŞERİFE SEVİNÇ

Personal Information

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Education Information

Doctorate, Indiana University Bloomington, School of Education, Curriculum and Instruction - Mathematics Education, United States Of America 2010 - 2016

Post Graduate, Middle East Technical University, Graduate School of Social Sciences, Fen Ve Matematik Eğitimi (YI) (Tezli), Turkey 2006 - 2010

Undergraduate Minor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 2002 - 2006

Under Graduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2001 - 2006

Foreign Languages

English, C2 Proficiency

Certificates, Courses and Trainings

Vocational Training, Professional Trainer of MAXQDA Software for Qualitative Data Analysis and Visualization; , MAXQDA: Qualitative Data Analysis Software, 2016

Vocational Training, Mathematical Quality of Instruction (MQI) Instrument Certification , Harvard University, 2014

Dissertations

Doctorate, Unpacking Teacher Knowledge for Bridging In- and Out-of-School Mathematics Using Mathematically-Rich And Contextually-Realistic Problems, Indiana University Bloomington, 2016

Post Graduate, The effects of a mathematics teaching methods course on pre-service elementary mathematics teachers' content knowledge for teaching mathematics, Middle East Technical University, Graduate School of Social Sciences, Fen Ve Matematik Eğitimi (YI) (Tezli), 2008

Research Areas

Social Sciences and Humanities, Education, Elementary School Education, Teacher Training in Science and Math. at Primary Sch. Level

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü,

2017 - Continues

Research Assistant PhD, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2016 - 2017

Research Assistant, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2006 - 2014

Professional Experience

Engelsiz Birimi Başkanı, Middle East Technical University, Presidency Office, Presidency Office, 2019 - Continues

Ethics Committee Member, Middle East Technical University, Graduate School Of Social Sciences, 2019 - Continues

Erasmus Coordinator, Middle East Technical University, Faculty of Education, Secondary Science and Mathematics Education, 2018 - Continues

Birim Stratejik Plan Komisyonu Başkanı, Middle East Technical University, Faculty Of Education, Secondary Science And Mathematics Education, 2018 - Continues

Birim Kalite Komisyonu Başkanı, Middle East Technical University, Faculty Of Education, Secondary Science And Mathematics Education, 2018 - Continues

FBE Araştırma Teşvik Komisyonu Üyeliği, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2018 - 2020

Courses

PRACTICE TEACHING IN ELEMENTARY EDUCATION, Under Graduate, 2018 - 2019, 2019 - 2020

DIGITAL TOOLS IN QUALITATIVE INQUIRY, Doctorate, 2017 - 2018, 2018 - 2019, 2019 - 2020

Teaching Elementary School Mathematics , Under Graduate, 2019 - 2020

SCHOOL EXPERIENCE, Under Graduate, 2018 - 2019, 2019 - 2020

QUALITATIVE RESEARCH, Doctorate, 2018 - 2019, 2019 - 2020

COMMUNITY SERVICE, Under Graduate, 2017 - 2018

NATURE OF MATHEMATICAL KNOWLEDGE FOR TEACHING, Under Graduate, 2017 - 2018

Advising Theses

Sevinç Ş., An investigation on thesis and dissertations on mathematical modeling in turkey in the last two decades, Post Graduate, D.KOÇ(Student), 2020

Sevinç Ş., An investigation on seventh grade students' use of bar model method in solving algebraic word problems, Post Graduate, E.BAYSAL(Student), 2019

Sevinç Ş., An investigation on seventh grade students' understanding of negative integers via mathematics history-based model-eliciting activities, Post Graduate, B.AY(Student), 2019

Designed Lessons

Sevinç Ş., Teaching Elementary School Mathematics , Under Graduate, 2019 - 2020

Sevinç Ş., DIGITAL TOOLS IN QUALITATIVE INQUIRY , Doctorate, 2017 - 2018

Taught Courses And Trainings

Sevinç Ş., Eğitim Alanındaki Lisansüstü Öğrenciler için Bilimsel Araştırma Becerilerinin Geliştirilmesi Kursu, 2018 - 2018

Sevinç Ş., Sosyal Bilimler Araştırmalarında Nitel Veri Analizi ve Görselleştirilmesi : MAXQDA Programı , 2018 - 2018

Articles Published in Other Journals

- **Investigation of Individual and Group Development of Prospective Mathematics Teachers in Modeling Activity**
Sevinç Ş., Melek Z.
Başkent University Journal of Education, vol.7, pp.1-19, 2020 (National Refreed University Journal)
- **An Alternative Approach to Solving Algebra Word Problems: Singapore Bar Model Method**
Baysal E., Sevinç Ş.
İnönü Üniversitesi Eğitim Fakültesi Dergisi, vol.21, pp.942-962, 2020 (National Refreed University Journal)
- **Training mathematics teachers for realistic math problems: a case of modeling-based teacher education courses**
Sevinç Ş., Lesh R.
ZDM-MATHEMATICS EDUCATION, vol.50, pp.301-314, 2018 (Journal Indexed in ESCI)
- **Problem Solving in the Primary School (K-2)**
Lesh R., English L., Riggs C., Sevis Ş.
The Mathematics Enthusiast, vol.10, no.4, pp.35-60, 2013 (Journal Indexed in ESCI)
- **Origamiyle matematik**
Seviş Ş.
İlköğretmen Eğitimci Dergisi, vol.13, pp.12-16, 2007 (National Non-Refereed Journal)
- **Okul öncesi dönemde matematik eğitimi (Mathematics education in early childhood period). [Book Review]**
SEVİŞ Ş.
Elementary Education Online, vol.6, pp.6-7, 2007 (Other Refereed National Journals)

Books & Book Chapters

- **DİSİPLİNLERARASI EĞİTİM ÖRNEKLERİ - DİSİPLİNLERARASI ÖĞRETMEN AKADEMİSİ ETKİNLİKLERİ**
MUMCU F., ATMAN USLU N., YILDIZ B., SEVİNÇ Ş., KAYA G.
Disiplinlerarası Öğretmen Akademisi, 2019
- **21. Yüzyılda Matematik Öğrenme Hedefli Sınıf-İçi Değerlendirme**
Sevinç Ş., Kaplan Can G., Haser Ç.
in: Matematik Öğretiminin Temelleri: Ortaokul, Haviömeroğlu Güney, Tarım Kamuran, Editor, Anı Yayıncılık, Ankara, pp.431-456, 2019
- **Mumcu F., Uslu N. A., Yıldız B., Sevinç Ş., Kaya G.**
in: , Filiz Mumcu, Nilüfer Atman Uslu, Bahadır Yıldız, Şerife Sevinç, Gökhan Kaya, Editor, E-kitap, Ankara, pp.12-15, 2019
- **Kindergarteners' and First-Graders' Development of Numbers Representing Length and Area: Stories of Measurement**
Sevinç Ş., Brady C.
in: Mathematical Learning and Cognition in Early Childhood, Robinson K., Osana H., Kotsopoulos D., Editor, Springer, London/Berlin , Zug, pp.115-137, 2019
- **Extending the reach of the models and modelling perspective: A course-sized research site**
Brady C., Lesh R., Sevis Ş.
in: Mathematical modelling in education research and practice: Cultural, social and cognitive influences , G. A. Stillman, W. Blum, M. S. Biembengut, Editor, Springer, London/Berlin , Basel, pp.55-66, 2015
- **Modeling as a means for making powerful ideas accessible to children at an early age**

Lesh R., English L., Sevis Ş., Riggs C.

in: The SimCalc vision and contributions: Democratizing access to important mathematics , S. Hegedus,J. Roschelle, Editor, Springer, London/Berlin , Dordrecht, pp.419-436, 2013

Refereed Congress / Symposium Publications in Proceedings

- **STRATEGİES USED BY FİRST GRADE STUDENTS İN THE PROCESS OF SOLVİNG JOİN PROBLEMS**
AYTEKİN E., ÇAKIROĞLU E., SEVİNÇ Ş., İSIKSAL BOSTAN M., KANDİL S.
2. Uluslararası Temel Eğitim Kongresi (UTEK 2019), 23 - 27 October 2019
- **Assessment of modelling competencies in early years (K-2 Level): a toolkit for teachers and researchers**
Sevinç Ş.
19th International Conference on the Teaching of Mathematical Modelling and Applications (ICTMA19), Victoria-City, Hong Kong, 21 - 26 July 2019
- **Piagetian and Vygotskian Roots of the Models-and-Modeling Perspective in mathematics education**
Sevinç Ş.
19th International Conference on the Teaching of Mathematical Modelling and Applications (ICTMA19), Victoria-City, Hong Kong, 21 - 26 July 2019
- **Karikatürlerdeki Matematik**
Toker H., Sevinç Ş.
Uluslararası Türki Bilgisayar ve Matematik Eğitimi Sempozyumu, İzmir, Turkey, 26 - 28 September 2019
- **ORTAOKUL ÖĞRENCİLERİNİN BİRİM KOORDİNASYON DÜZEYLERİNİN TESPİTİ**
ACAR F., SEVİNÇ Ş.
Uluslararası Türk Bilgisayar ve Matematik Eğitimi (TÜRKBİLMAT-4) Sempozyumu, Turkey, 26 - 28 September 2019
- **Matematik öğretmen adaylarının matematiksel modelleme etkinliklerinde geliştirdikleri grup modellerine yon veren etmenler**
Melek Z., Sevinç Ş.
13. Ulusal Fen Bilimleri Ve Matematik Eğitimi Kongresi, Denizli, Turkey, 4 - 06 October 2018
- **Matematik bolumu ve matematik eğitimi bolumu ogretim uyelerinin ispat anlayislari**
Mavi S., Sevinç Ş.
13. Ulusal Fen Bilimleri Ve Matematik Eğitimi Kongresi, Denizli, Turkey, 4 - 06 October 2018
- **1. sınıf öğrencilerinin cikarma problemleri cozerken kullandıkları toplama stratejileri**
Sevinç Ş., Işıksal Bostan M., Çakıroğlu E., Kandil S.
13. Ulusal Fen Bilimleri Ve Matematik Eğitimi Kongresi, Denizli, Turkey, 4 - 06 October 2018
- **First Grade Students' Counting Strategies**
KANDİL S., İSIKSAL BOSTAN M., SEVİNÇ Ş., ÇAKIROĞLU E.
International Congress on Science and Education (ICSE2018), 28 - 30 September 2018, pp.427-428
- **Developing First Graders' Number Sense Through Subitizing Activities**
Şeker V., Karaca E. T. , Sevinç Ş., Çakıroğlu E., Işıksal Bostan M.
European Educational Research Association, Bolzano, Italy, 4 - 07 September 2018
- **Pre-service teachers' goals for integrating technology into teaching middle school mathematics**
Dilberoğlu M., Yılmaz A., Sevinç Ş., Akyüz D.
International Conference on Education in Mathematics, Science & Technology (ICEMST), Muğla, Turkey, 28 April - 01 May 2018
- **Code matrix: A methodological way of presenting historical change of knowledge of pre-service mathematics teachers**
Sevinç Ş.
American Educational Research Association (AERA) 2018 Annual Meeting, Florida, United States Of America, 13 - 17 April 2018
- **1. Sınıf Öğrencilerinin Problem Kurma Deneyimleri**

Çakroğlu E., Karaca E. T., Sevinç Ş., Işıksal Bostan M., Şeker V.

17. Uluslararası Sınıf Öğretmenliği Sempozyumu, Ankara, Turkey, 11 - 14 April 2018

Researcher analyzing own ways of thinking: Researcher vs. participant, or both?

Sevis Ş.

The Qualitative Report Ninth Annual Conference, Florida, United States Of America, 11 - 13 January 2018

Coda: A way to portray qualitative researcher

Sevis Ş., Özdoğan Z.

The Qualitative Report Ninth Annual Conference, Florida, United States Of America, 11 - 13 January 2018, pp.1-2

Mathematics Teachers' Take-Aways from Morning Math Problems in a Long-Term Professional Development Project

SEVİŞ Ş., CROSS D., HUDSON R.

39th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 5 - 08 October 2017

Matematik Problem Çözümünde Aritmetik Yöntemden Cebirsel Yöteme Geçişte Şerit Modelin Etkisinin İncelenmesi

SEVİŞ Ş.

IVth International Eurasian Educational Research Congress, 11 - 14 May 2017

Data Analysis Experiences: Self-Produced vs. Alien Data

SEVİŞ Ş., ÖZDOĞAN Z.

The Qualitative Report Eighth Annual Conference, 12 - 14 January 2017

Triangulation: Who are the actors behind the scenes?

SEVİŞ Ş., KANDİL S., ELİUSTAOĞLU E., ÖZDOĞAN Z.

12th International Congress of Qualitative Inquiry (ICQI), 18 - 21 May 2016

Word clouds: Not only to visualize but also to analyze

SEVİŞ Ş.

12th International Congress of Qualitative Inquiry (ICQI), 18 - 21 May 2016

Modeling research as an alternative research methodology in mathematics education

SEVİŞ Ş.

American Educational Research Association (AERA) 2016 Annual Meeting, 8 - 12 April 2016

Multi-tier and multi-cycle modeling research: A praxis

SEVİŞ Ş.

The Qualitative Report Seventh Annual Conference, 14 - 16 January 2016

For the sake of mathematics education research, MAXQDA: An alternative analysis way for solutions of algebraic word problems

SEVİŞ Ş.

11th International Congress of Qualitative Inquiry (ICQI), 20 - 23 May 2015

On a learning trajectory for reciprocal reasoning with quantitative unknowns

HACKENBERG A., SEVİŞ Ş.

American Educational Research Association (AERA) 2015 Annual Meeting, 16 - 20 April 2015

Positioning in the discourse of pre-service elementary teachers in algebraic word problems

Özdoğan Z., Sevis Ş.

American Educational Research Association (AERA) 2015 Annual Meeting, Illinois, United States Of America, 16 - 20 April 2015

Piagetian roots of models-and-modeling perspective in mathematics education

SEVİŞ Ş., LESH R.

Annual Conference of the Jean Piaget Society 2014, 29 - 31 May 2014

The role of mathematics teacher education curriculum on Turkish pre-service mathematics teachers' content knowledge for teaching mathematics

SEVİŞ Ş.

American Educational Research Association (AERA) 2014 Annual Meeting, 3 - 07 April 2014

Investigating Differentiated Mathematics Instruction in Middle School

HACKENBERG A., AYDENİZ F., CREAGER M., EKER A., JONES R., SEVİŞ Ş.

Curriculum and Instruction Research and Creative Activity Symposium (CIRCAS), 28 February 2014

Pre-service Teachers' Conceptions about Realistic Mathematics Problems

SEVİŞ Ş.

Indiana Mathematics Education Symposium (IMERS), 22 March 2013

An investigation on students' degree of acquisition related to van Hiele level of geometric reasoning: A case of 6-8th graders in Turkey

KOÇ Y., ISIKSAL BOSTAN M., SEVİŞ Ş., OSMANOĞLU A., ÇETİNKAYA B., AŞKUN C. S. , BULUT S.

Eighth Congress of European Research in Mathematics Education (CERME 8), 6 - 10 February 2013

The effect of the methods course on prospective mathematics teachers' knowledge for teaching related to numbers and algebra concepts

OSMANOĞLU A., ISIKSAL BOSTAN M., KOC Y., SEVİŞ Ş.

International Conference on New Horizons in Education (INTE), 5 - 07 June 2012

A Pre-Service Teacher's Development of Understanding Students' Thinking during Field Experience

SEVİŞ Ş.

Indiana Mathematics Education Symposium (IMERS), 30 March 2012

Solo modeli ile uzamsal gorselleştirme becerilerinin ölçülmesi

KOC Y., ISIKSAL BOSTAN M., OSMANOĞLU A., ÇETİNKAYA B., AŞKUN C. S. , BULUT S., SEVİŞ Ş., ESEN Y.

10. Matematik Sempozyumu, Turkey, 21 - 23 September 2011

Pre-service Teachers' content and pedagogical content knowledge structures about multiplication algorithm and area-perimeter relations: What is the role of teaching methods courses?

KOC Y., ISIKSAL BOSTAN M., SEVİŞ Ş., ÇAKMAK S., BULUT S.

American Educational Research Association (AERA) 2010 Annual Meeting, 30 April - 04 May 2010

Pre-service teachers' pedagogical content knowledge structures: What is the effect of methods courses?

SEVİŞ Ş., KOC Y., ISIKSAL BOSTAN M., BULUT S.

The European Conference on Educational Research (ECER), 10 - 12 September 2008

Matematik ve oyun

SEVİŞ Ş.

Ulusal Matematik Eğitimi Öğrenci Sempozyumu, Turkey, 4 - 06 September 2006

Supported Projects

SEVİNÇ Ş., DİLBEROĞLU M., Project Supported by Higher Education Institutions, İlkokul Öğrencileri İçin Hikaye Temelli Matematiksel Modelleme Etkinlikleri: Bir Tasarım Araştırması, 2019 - Continues

Sevinç Ş., Çakıroğlu E., Embassy Grant Program Project, Design4Rescue, 2018 - 2020

Sevinç Ş., Çakıroğlu E., İşıksal Bostan M., TUBITAK Project, İlkokul 1. Sınıf Matematiği, Sayılar ve İşlemler Ünitesi için Gerçekçi Matematik Eğitimine Dayalı Öğrenme Rotası Geliştirilmesi: Bir Tasarım Araştırması (İlk Adım Projesi), 2017 - 2019

Scientific Refereeing

Research Project To Be Started., ODTÜ İnsan Araştırmaları Etik Kurulu (İAEK), Middle East Technical University, Turkey, August 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, January 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, January 2020

Thesis Study To Be Started., ODTÜ İnsan Araştırmaları Etik Kurulu (İAEK), Middle East Technical University, Turkey,

January 2020

Thesis Study To Be Started., İnsan Arařtırmaları Etik Kurulu (IAEK), Middle East Technical University, Turkey, November 2019

Thesis Study To Be Started., İnsan Arařtırmaları Etik Kurulu (IAEK), Middle East Technical University, Turkey, October 2019

MATHEMATICAL THINKING AND LEARNING, Journal Indexed in SSCI, August 2019

Research Project To Be Started., İnsan Arařtırmaları Etik Kurulu (IAEK), Middle East Technical University, Turkey, March 2019

EGITIM VE BILIM-EDUCATION AND SCIENCE, SCI Journal, December 2018

Research Project To Be Started., İnsan Arařtırmaları Etik Kurulu , Middle East Technical University, Turkey, December 2018

Thesis Study To Be Started., İnsan Arařtırmaları Etik Kurulu (IAEK), Middle East Technical University, Turkey, December 2018

Plos One, Journal Indexed in SCI-E, October 2018

INTERNATIONAL JOURNAL OF EDUCATION IN MATHEMATICS SCIENCE AND TECHNOLOGY, National Scientific Refreed Journal, December 2017

Egitim Ve Bilim-Education And Science, SCI Journal, November 2017

The Qualitative Report, Journal Indexed in ESCI, October 2017

ZDM Mathematics Education, Journal Indexed in ESCI, October 2017

KURAM VE UYGULAMADA EĐİTİM BİLİMLERİ, National Scientific Refreed Journal, July 2017

Citations

Total Citations (WOS):23

h-index (WOS):3

Awards

Sevinç Ş., Yılın Eđitimcisi Ödülü, Orta Dođu Teknik Üniversitesi, December 2019