

## Prof. YETER ŞAHİNER

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Matematik, Turkey 1994 - 2000

### Research Areas

Mathematics, Differential Equations, Natural Sciences

### Academic Titles / Tasks

Professor, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2014 - Continues

Associate Professor, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2008 - 2014

Assistant Professor, Atılım University, Faculty Of Arts And Sciences, Department Of Mathematics, 2000 - 2007

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 1990 - 1999

### Academic and Administrative Experience

Hacettepe Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2012 - 2014

### Advising Theses

ŞAHİNER Y., Matematik öğretmen adaylarının kesirlerde bölme ile ilgili işlem ve kavram öğretimlerinin incelenmesi, Doctorate, C.AYTEKİN(Student), 2016

ŞAHİNER Y., Yedinci sınıf öğrencilerinin matematiksel modelleme etkinlikleriyle matematikselleştirme süreçlerinin ve finansal okuryazarlıklarının incelenmesi, Doctorate, M.TURAL(Student), 2016

ŞAHİNER Y., Problem çözme stratejileri öğretiminin çözümlerdeki kavramsal - işlemsel bilgi tercihinin ve performansa etkisi, Doctorate, F.ÖZYILDIRIM(Student), 2015

ŞAHİNER Y., 7. sınıf öğrencilerinin ispata yönelik algı ve ispat yapabilme becerilerinin irdelenmesi, Doctorate, E.AYLAR(Student), 2014

ŞAHİNER Y., Sayı Duyusu Temelli Öğretimin Öğrencilerin Matematiğe İlişkin Özyeterlilikleri ve Performanslarına Etkisi, Doctorate, Ç.ALKAŞ(Student), 2013

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

- I. **OSCILLATION OF  $p(x)$ -LAPLACIAN ELLIPTIC INEQUALITIES WITH MIXED VARIABLE EXPONENTS**  
ŞAHİNER Y., Zafer A.  
MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.16, no.3, pp.947-961, 2013 (SCI-Expanded)
- II. **Oscillation of nonlinear elliptic inequalities with  $p(x)$ -Laplacian**  
ŞAHİNER Y., Zafer A.  
COMPLEX VARIABLES AND ELLIPTIC EQUATIONS, vol.58, no.4, pp.537-546, 2013 (SCI-Expanded)
- III. **Annulus criteria for mixed nonlinear elliptic differential equations**  
ŞAHİNER Y., Zafer A.  
MATHEMATICAL AND COMPUTER MODELLING, vol.53, pp.1856-1864, 2011 (SCI-Expanded)
- IV. **Mixed nonlinear oscillation of second order forced dynamic equations**  
Güvenilir A., ŞAHİNER Y., Zafer A.  
Dynamic Systems and Applications, vol.19, pp.635-650, 2010 (SCI-Expanded)
- V. **A study about the elimination of pre-service primary education teachers' misconceptions about relations and functions concepts**  
Polat Z. S., Sahiner Y.  
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.32, no.146, pp.89-96, 2007 (SSCI)
- VI. **Oscillations of first order delay dynamic equations**  
Sahiner Y., STAVROULAKIS I. P.  
DYNAMIC SYSTEMS AND APPLICATIONS, vol.15, pp.645-655, 2006 (SCI-Expanded)
- VII. **Oscillation of second-order neutral delay and mixed-type dynamic equations on time scales**  
Sahiner Y.  
ADVANCES IN DIFFERENCE EQUATIONS, 2006 (SCI-Expanded)
- VIII. **Oscillation of second-order delay differential equations on time scales**  
Sahiner Y.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.63, 2005 (SCI-Expanded)
- IX. **On oscillation of second order neutral type delay differential equations**  
Sahiner Y.  
APPLIED MATHEMATICS AND COMPUTATION, vol.150, no.3, pp.697-706, 2004 (SCI-Expanded)
- X. **Bounded oscillation of nonlinear neutral differential equations of arbitrary order**  
Yilmaz Y., ZAFER A.  
CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.51, no.1, pp.185-195, 2001 (SCI-Expanded)
- XI. **Oscillation of even order nonlinear neutral differential equations with damping**  
Yilmaz Y., ZAFER A.  
MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.1, no.3, pp.445-451, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation on how pre-service elementary mathematics teachers write and use mathematical definitions**  
Özyildirim-Gümüş F., ŞAHİNER Y.  
International Electronic Journal of Elementary Education, vol.9, no.3, pp.511-522, 2017 (Scopus)
- II. **The Effects of Teaching Problem Solving Strategies on Pre-service Teachers' Views about Problem Solving**  
Gümüş F. Ö., ŞAHİNER Y.  
Elementary Education Online, vol.14, pp.323-332, 2015 (Peer-Reviewed Journal)
- III. **The effects of teaching problem solving strategies on pre-service teachers' views about problem solving Problem çözme stratejileri öğretiminin öğretmen adaylarının problem çözümüne ilişkin düşüncelerine etkisi**  
Özyildirim Gümüş F., ŞAHİNER Y.  
Elementary Education Online, vol.14, no.1, pp.323-332, 2015 (Scopus)

#### IV. Positive Solutions and Oscillation of Higher Order Neutral Difference Equations

Şahiner Y., Zafer A.

Archivum Mathematicum (Brno), vol.36, pp.623-636, 2000 (Peer-Reviewed Journal)

#### Refereed Congress / Symposium Publications in Proceedings

I. İlköğretim Matematik öğretmen Adaylarının Matematiksel Tanımları yazma ve kullanma durumlarının incelenmesi

ÖZYILDIRIM GÜMÜŞ F., ŞAHİNER Y.

2.nd International Eurasian Educational Research Congress, 8 - 10 June 2015

II. A study on teaching proof to 7th grade students

Aylar E., ŞAHİNER Y.

5th World Conference on Educational Sciences (WCES), Rome, Italy, 5 - 08 February 2013, vol.116, pp.3427-3431

#### Supported Projects

ŞAHİNER Y., Project Supported by Higher Education Institutions, Gecikmeli zaman kaynaklı nüfus etkileşimin matematiksel modelleri, 2016 - 2017

#### Metrics

Publication: 18

Citation (WoS): 193

Citation (Scopus): 224

H-Index (WoS): 5

H-Index (Scopus): 6