

Lect. PhD MERYEM ODABAŞI KÖPRÜLÜ

Personal Information

Office Phone: [+90 232 311 5819](tel:+902323115819) Extension: 5819 / 7129

Email: meryem.odabasi@ege.edu.tr

Web: <https://avesis.ege.edu.tr/meryem.odabasi>

Education Information

Doctorate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (Dr), Turkey 2009 - 2015

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (YI), Turkey 2006 - 2008

Under Graduate, Ege Üniversitesi, Fen Fakültesi, Matematik Bölümü, Turkey 2002 - 2006

Dissertations

Doctorate, Dalga dönüşümü altında indirgenebilen lineer olmayan bazı fiziksel denklemlerin yarı analitik çözümleri üzerine, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (Dr), 2015

Post Graduate, İntegral ve integro-diferensiyel denklemlerin yarı-analitik çözümleri üzerine, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (YI), 2008

Research Areas

Mathematics, Differential Equations, General Mathematics, Partial Differential Equations, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Ege Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, 2019 - Continues

Lecturer PhD, Ege University, 2015 - Continues

Lecturer, Ege University, 2009 - Continues

Courses

Biyomühendislik Bilgisayar Uyg., Under Graduate, 2019 - 2020

Calculus-II, Under Graduate, 2019 - 2020

Mathematics II, Under Graduate, 2019 - 2020

Mathematics I, Under Graduate, 2019 - 2020

Calculus-I, Under Graduate, 2019 - 2020

Mathematics III, Under Graduate, 2019 - 2020

Calculus I, Under Graduate, 2017 - 2018, 2018 - 2019

Mathematics for Architecture, Under Graduate, 2017 - 2018, 2018 - 2019

Basic Mathematics, Under Graduate, 2018 - 2019

Calculus II, Under Graduate, 2017 - 2018

ARTICLES PUBLISHED IN JOURNALS THAT ENTERED SCI, SSCI AND AHCI INDEXES

- I. **Traveling wave solutions of conformable time-fractional Zakharov-Kuznetsov and Zoomeron equations**
Odabaşı Köprülü M.
Chinese Journal Of Physics, vol.64, pp.194-202, 2020 (Journal Indexed in SCI)
- II. **Analytical solutions of some nonlinear fractional-order differential equations by different methods**
ODABAŞI M., Pinar Z., Kocak H.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2020 (Journal Indexed in SCI)
- III. **On the solutions of the nonlinear fractional differential equations via the modified trial equation method**
ODABAŞI M., MISIRLI E.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, pp.904-911, 2018 (Journal Indexed in SCI)
- IV. **A note on the traveling wave solutions of some nonlinear evolution equations**
ODABAŞI M., MISIRLI E.
OPTİK, vol.142, pp.394-400, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Exact Traveling Wave Solutions of some Nonlinear Evolution Equations**
Odabaşı M., Mısırlı E.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.4, pp.55-62, 2016 (Refereed Journals of Other Institutions)
- II. **Application of the Extended Trial Equation Method to the Nonlinear Evolution Equations**
Odabaşı M., Mısırlı E.
Mathematical Sciences and Applications E-Notes, vol.2, pp.28-33, 2014 (Refereed Journals of Other Institutions)
- III. **Semi analytical solutions of integral and integro differential equations**
MISIRLI E., ODABAŞI M.
Journal of Concrete and Applicable Mathematics, vol.9, 2011 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Analytical Solutions of Some Nonlinear Fractional-Order Differential Equations by Different Methods**
Odabaşı M., Pinar Z., Koçak H.
8th International Eurasian Conference on Mathematical Sciences and Applications, Baku, Azerbaijan, 27 - 30 August 2019, pp.143
- II. **Investigation of Exact Solutions of Some Nonlinear Evolution Equations via an Analytical Approach**
Odabaşı M.
8th International Eurasian Conference on Mathematical Sciences and Applications, Baku, Azerbaijan, 27 - 30 August 2019, pp.144
- III. **An Analytical Approach for Conformable Fractional Differential Equations**
ODABAŞI M.
7th International Eurasian Conference On Mathematical Sciences And Applications, 28 - 31 August 2018
- IV. **Conformable Fractional Klein-Gordon and Cahn-Allen Equations**
ODABAŞI M.
6th International Eurasian Conference on Mathematical Sciences and Applications, 15 - 18 August 2017
- V. **Analytical solutions of the conformable fractional differential equations**
ODABAŞI M.
International Conference on Computational Mathematics and Engineering Sciences, 20 - 22 May 2017
- VI. **Exact Solutions of some Nonlinear Evolution Equations**
ODABAŞI M., MISIRLI E.

International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), 19 - 23 May 2016

VII. **Traveling wave solutions for some nonlinear fractional differential equations**

ODABAŞI M., MISIRLI E.

International Conference on Recent Advances in Pure and Applied Mathematics, 3 - 06 June 2015

VIII. **A Note on the Solutions of the Nonlinear Fractional Differential Equations**

ODABAŞI M., MISIRLI E.

International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2014), Antalya, Turkey, 6 - 09 November 2014

IX. **On the Solutions of the Nonlinear Fractional Differential Equations via the Modified Trial Equation Method**

ODABAŞI M., MISIRLI E.

3rd International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2014), Vienna, Austria, 25 - 28 August 2014

X. **A note on solutions of the nonlinear fractional differential equations via the extended trial equation method**

ODABAŞI M., MISIRLI E.

International Congress in Honour of Professor Ravi P. Agarwal, 23 - 26 June 2014

XI. **Application of the Extended Trial Equation Method for Nonlinear Fractional Differential Equations**

ODABAŞI M., MISIRLI E.

International Conference on Nonlinear Differential and Difference Equations, 27 - 30 May 2014

XII. **Modified trial equation method for solving some nonlinear evolution equations**

ODABAŞI M., MISIRLI E.

International 2nd Eurasian Conference on Mathematical Sciences and Applications, 26 - 29 August 2013

XIII. **Classification of exact solutions for BBM m n equation with generalized evolution**

ODABAŞI M., MISIRLI E.

International Conference on Applied Analysis and Mathematical Modeling, 2 - 05 June 2013

XIV. **Application of the trial equation method for some nonlinear evolution equations**

ODABAŞI M., MISIRLI E.

International Conference on Analysis and Applied Mathematics, 18 - 21 October 2012

XV. **Lineer Olmayan Oluşum Denklemlerinin Tam Çözümleri**

ODABAŞI M., MISIRLI E.

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

XVI. **1 soliton solution of generalized Burgers Fisher equation**

GÜREFE Y., ODABAŞI M., MISIRLI E.

International Conference on Applied Analysis and Algebra, 29 June - 02 July 2011

XVII. **A trial equation method and its application to nonlinear equations**

ODABAŞI M., MISIRLI E.

2nd International Symposium on Computing in Science & Engineering, 1 - 04 June 2011

XVIII. **Application of the vim pade technique for the Belov Chaltikian lattice equation**

ODABAŞI M., MISIRLI E.

Turkish Physical Society 27th International Physics Congress, 14 - 17 September 2010

XIX. **Semi Analytical Solutions of Integral and Integro differential Equations**

MISIRLI E., ODABAŞI M.

3rd International Interdisciplinary Chaos Symposium on Chaos and Complex Systems, İstanbul, Turkey, 21 - 24 May 2010, vol.1

Supported Projects

ODABAŞI KÖPRÜLÜ M., Project Supported by Higher Education Institutions, KESİRLİ DİFERANSİYEL DENKLEMLERİN

ANALİTİK ÇÖZÜMLERİ, 2017 - 2020

Odabaşı M., Mısırlı E., Project Supported by Higher Education Institutions, Kısmi Türevli Diferansiyel Denklemlerin Yarı Analitik Çözümleri Üzerine, 2013 - 2015

Scientific Refereeing

WAVES IN RANDOM AND COMPLEX MEDIA, SCI Journal, July 2020

MODERN PHYSICS LETTERS B, SCI Journal, March 2020

INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, SCI Journal, January 2020

INTERNATIONAL JOURNAL OF APPLIED AND COMPUTATIONAL MATHEMATICS, Other Indexed Journal, August 2019

IEEE ACCESS, SCI Journal, August 2019

IEEE ACCESS, SCI Journal, July 2019

FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY, SCI Journal, July 2019

IEEE ACCESS, SCI Journal, July 2019

Journal of Applied Mathematics and Physics, Other Indexed Journal, August 2017

CHAOS SOLITONS & FRACTALS, SCI Journal, January 2017

Applications and Applied Mathematics: An International Journal, Other Indexed Journal, February 2016

Citations

Total Citations (WOS):21

h-index (WOS):2

Scholarships

Tübitak BİDEB 2211-Yurt içi Doktora Bursu, TUBITAK, 2009 - 2014

Tübitak BİDEB 2210-Yurt içi Yüksek Lisans Bursu, TUBITAK, 2007 - 2009