

## Asst. Prof. MUSTAFA EKİCİ

### Personal Information

**Office Phone:** [+90 286 218 0018](tel:+902862180018) Extension: 30025

**Email:** [mustafa.ekici@comu.edu.tr](mailto:mustafa.ekici@comu.edu.tr)

**Web:** <https://avesis.comu.edu.tr/mustafa.ekici>

### International Researcher IDs

ORCID: 0000-0003-2494-8229

Yoksis Researcher ID: 42263

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2010 - 2016

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2010

Undergraduate, Ataturk University, Fen Fakültesi, Matematik, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Lineer olmayan bazı matematiksel modeller için bir yöntem, Gazi University, Fen Bilimleri Enstitüsü, Matematik, 2016

Postgraduate, Lineer singüler ve singüler olmayan integral denklemlerinin yaklaşık çözümleri üzerine bir çalışma: Fracture mekanik, Gazi University, Fen Fakültesi, Matematik, 2010

### Research Areas

Differential Equations, General Mathematics, Partial Differential Equations, Optimization, Game Theory, Numerical Analysis

### Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, 2022 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Bilgisayar Teknolojileri, 2021 - 2022

Lecturer, Usak University, Faculty Of Education, Department Of Mathematics And Science Teaching, 2012 - 2021

Lecturer, Usak University, Banaz Vocational School, Department Of Management And Organization, 2011 - 2012

### Academic and Administrative Experience

Director of Vocational School, Canakkale Onsekiz Mart University, Ezine Meslek Yüksekokulu, 2023 - Continues  
Director Of Junior College, Canakkale Onsekiz Mart University, Gökçeada Uygulamalı Bilimler Y.O., 2021 - 2023

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

- I. **Exact Solutions to Some Nonlinear Time-Fractional Evolution Equations Using the Generalized Kudryashov Method in Mathematical Physics**  
EKİCİ M.  
Symmetry, vol.15, no.10, 2023 (SCI-Expanded)
- II. **On an axiomatization of the grey Banzhaf value**  
EKİCİ M.  
AIMS Mathematics, vol.8, no.12, pp.30405-30418, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **An Alternative Approach to the Axiomatic Characterization of the Interval Shapley Value**  
EKİCİ M.  
Journal of New Theory, vol.46, pp.1-10, 2024 (Peer-Reviewed Journal)
- II. **Travelling Wave Solutions for Some Time-Fractional Nonlinear Differential Equations**  
EKİCİ M.  
Black Sea Journal of Engineering and Science, vol.7, no.2, pp.246-253, 2024 (Peer-Reviewed Journal)
- III. **Application of the rational  $(G' / G)$ -expansion method for solving some coupled and combined wave equations**  
Ekici M., Ünal M.  
Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, vol.71, no.1, pp.116-132, 2022 (ESCI)
- IV. **The Double  $(G' / G, 1/G)$ -Expansion Method and its Applications for Some Nonlinear Partial Differential Equations**  
ÜNAL M., EKİCİ M.  
Journal of the Institute of Science and Technology, vol.1, no.11, pp.599-608, 2021 (Peer-Reviewed Journal)
- V. **On the equal surplus sharing interval solutions and an application**  
PALANCI O., EKİCİ M., ALPARSLAN GÖK S. Z.  
Journal of Dynamics & Games, vol.8, no.2, pp.139-150, 2021 (ESCI)
- VI. **On the grey equal surplus sharing solutions**  
yılmaz a., ALPARSLAN GÖK S. Z., EKİCİ M., PALANCI O.  
International Journal of Supply and Operations Management (IJSOM), 2018 (Scopus)
- VII. **The grey Shapley value: an axiomatization**  
Ekici M., Palancı O., Alparslan Gök S. Z.  
IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING, vol.300, no.012082, 2018 (Scopus)
- VIII. **Solution of model equation of completely passive natural convection by improved differential transform method**  
Ayaz F., Ekici M.  
Research on Engineering Structures and Materials, vol.3, pp.1-10, 2017 (Scopus)

## Books & Book Chapters

- I. **21. Yüzyılda Matematik Eğitimi**  
Ekici M.

in: 21. Yüzyılda Disiplinler ve Eđitim, Engin Meydan, Editor, Pegem A Yayıncılık, Ankara, pp.17-28, 2023

- II. **Application of the Exponential Rational Function Method to Some Fractional Soliton Equations**  
Ekici M., Ünal M.

in: Emerging Applications of Differential Equations and Game Theory, Duygu Aruđaslan Çinçin, Editor, IGI GLOBAL, Massachusetts, pp.13-32, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Soliton Solutions of the (4+1)-Dimensional Davey–Stewartson–Kadomstev–Petviashvili Equation Using Unified Method**  
Ekici M.  
KARADENİZ 15TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Rize, Turkey, 8 - 10 March 2024
- II. **Lineer Olmayan Kesirli Mertebeden Sharma-Tasso-Olver Denkleminin Rasyonel (G'/G)-Açılım Yöntemiyle Çözümü**  
Ekici M.  
KARADENİZ ZİRVESİ 3. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Ordu, Turkey, 25 - 26 April 2020
- III. **MİNİMUM GİDERLİ AĞAÇ OYUNLARI İÇİN ÖZEL ÇÖZÜM KAVRAMLARI ÜZERİNE**  
Palancı O., Ekici M.  
KARADENİZ 3. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Ordu, Turkey, 25 - 26 April 2020
- IV. **Lineer Olmayan Kesirli Mertebeden Calogero-Bogoyavlinskii-Schiff Denkleminin (G'/G)-Açılım Yöntemiyle Analitik Çözümü**  
Ekici M.  
SELÇUK ZİRVESİ 2. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Konya, Turkey, 7 - 08 December 2019
- V. **On Facility Location Interval Games**  
Ekici M., Palancı O., Alparslan Gök S. Z.  
10TH INTERNATIONAL STATISTICS CONGRESS (ISC2017), Ankara, Turkey, 6 - 08 December 2017
- VI. **On an approach to ratio-dependent predator-prey system**  
Ekici M., Palancı O.  
10TH INTERNATIONAL STATISTICS CONGRESS (ISC2017), Ankara, Turkey, 6 - 08 December 2017
- VII. **Solving Momentum and Energy Equation by Using Differential Transform Technique**  
Ekici M.  
16th International Conference on Material Science and Engineering Technology, Paris, France, 30 - 31 December 2014
- VIII. **Solving Fractional Order Nonlinear Systems by Using Approximate Techniques: Some Comparisons**  
Ekici M., Ayaz F.  
International conference on Nonlinear Differential and Difference Equation, Antalya, Turkey, 27 - 30 May 2014
- IX. **Solution of the Model of Beam-Type Micro and Nano-scale Electrostatic Actuators by Differential Transform Method for Nonlinear Boundary Value Problems**  
Ekici M., Ayaz F.  
International Journal of Arts and Sciences, Massachusetts, United States Of America, 26 - 30 May 2015

## Metrics

Publication: 21

Citation (Scopus): 6

H-Index (Scopus): 2