

# Prof. Erdoğan Mehmet ÖZKAN

## Personal Information

**Email:** mozkan@yildiz.edu.tr

**Web:** <http://avesis.yildiz.edu.tr/mozkan/dokumanlar>

## International Researcher IDs

ScholarID: Jy5yU2sAAAAJ

ORCID: 0000-0003-2341-6626

Publons / Web Of Science ResearcherID: AAA-4105-2019

ScopusID: 15741262900

Yoksis Researcher ID: 188255

## Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 1992 - 1997

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 1989 - 1991

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey 1984 - 1989

## Foreign Languages

English, B1 Intermediate

## Research Areas

Mathematics, Differential Equations, Geometry, Integral Equations, Mathematics Education, Natural Sciences

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2023 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2018 - 2023

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2018 - 2018

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2003 - 2018

## Academic and Administrative Experience

Head of Department, Yildiz Technical University, Rectorate, Department Of Physical Education, 2018 - 2024

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2009 - 2023

Head of Department, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2016 - 2020

Deputy Head of Department, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, 2017 - 2018

Deputy Head of Department, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, 2016 -

2017

Head of Department, Yıldız Technical University, Rectorate, Department of Physical Education, 2010 - 2016

## Advising Theses

Özkan E. M., Akışkanlar Mekaniğinde Bazı Özel Kısmi ve İntegro Diferansiyel Denklemlerin İncelenmesi, Postgraduate, H.Arzu(Student), Continues

Özkan E. M., Bulanık Regresyon, Postgraduate, İ.Demir(Student), Continues

Özkan E. M., SOME FUZZY SOFT HYPER IDEALS IN HYPER LATTICES, Doctorate, G.Yeşilmen(Student), Continues

Özkan E. M., Sezgisel Bulanık Cebirsel Yapılar, Doctorate, S.Yazar(Student), Continues

Özkan E. M., 1-ABSORBING FUZZY IDEALS OF COMMUTATIVE SEMI RINGS, Postgraduate, İ.Kaplan(Student), 2023

Özkan E. M., 2-ABSORBING FUZZY IDEALS OF COMMUTATIVE SEMI RINGS, Postgraduate, R.Ayan(Student), 2023

Özkan E. M., Kesirli Diferansiyel Denklemler İçin Analitik Çözüm Yöntemleri, Postgraduate, Y.Kural(Student), 2022

Özkan E. M., Bazı halkalar üzerinde tanımlı alt modül kodları, Doctorate, F.TEMİZ(Student), 2018

ÖZKAN E. M., 7. VE 8. SINIF TÜRK VE SİNGAPUR MATEMATİK DERS KİTAPLARININ KARŞILAŞTIRMALI ANALİZİ, Postgraduate, O.Karancı(Student), 2014

ÖZKAN E. M., Bölünebilme ve modüler aritmetik konularının öğrenciler tarafından kavranma analizi, Postgraduate, E.Ertuğrul(Student), 2012

ÖZKAN E. M., Birleşik analizde stirling sayıları ve uygulamaları, Postgraduate, B.İbiş(Student), 2005

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

- I. **A study on analytical solutions of one of the important shallow water wave equations and its stability analysis**  
Deniz H. A., Özkan E. M., Özkan A.  
PHYSICA SCRIPTA, vol.99, no.12, pp.1-15, 2024 (SCI-Expanded)
- II. **A novel study of analytical solutions of some important nonlinear fractional differential equations in fluid dynamics**  
Özkan A., Özkan E. M.  
MODERN PHYSICS LETTERS B, vol.1, no.1, pp.1-17, 2024 (SCI-Expanded)
- III. **A view of optical soliton solution of the coupled Schrödinger Equation with a different approach**  
Özkan A., Özdemir N., Özkan E. M.  
PHYSICA SCRIPTA, vol.99, no.8, pp.1-12, 2024 (SCI-Expanded)
- IV. **A study of novel optical solutions of the space-time fractional cubic nonlinear Schrödinger equation**  
ÖZKAN A., ÖZKAN E. M.  
Optical and Quantum Electronics, vol.56, no.2, 2024 (SCI-Expanded)
- V. **On the exact solutions of optical perturbed fractional Schrödinger equation**  
Özkan E. M., Yıldırım Ö., Özkan A.  
PHYSICA SCRIPTA, vol.98, no.11, pp.1-10, 2023 (SCI-Expanded)
- VI. **On exact solutions of the (2 + 1)-dimensional time conformable Maccari system**  
AKAR M., ÖZKAN E. M.  
International Journal of Modern Physics B, vol.37, no.22, 2023 (SCI-Expanded)
- VII. **On Exact Solutions of Some Space-Time Fractional Differential Equations with M-truncated Derivative**  
Özkan A., Özkan E. M., Yildirim O.  
FRACTAL AND FRACTIONAL, vol.2023, no.7, pp.1-14, 2023 (SCI-Expanded)
- VIII. **Vaccine selection for COVID-19 by AHP and novel VIKOR hybrid approach with interval type-2 fuzzy sets.**  
Meniz B., Özkan E. M.

- Engineering applications of artificial intelligence, vol.119, pp.105812, 2023 (SCI-Expanded)
- IX. Analytical solutions of (2+1)-dimensional time conformable Schrodinger equation using improved sub-equation method**  
 Özkan E. M., Akar M.  
 OPTIK, vol.267, 2022 (SCI-Expanded)
- X. New Exact Solutions of Some Important Nonlinear Fractional Partial Differential Equations with Beta Derivative**  
 ÖZKAN E. M.  
 FRACTAL AND FRACTIONAL, vol.6, no.3, 2022 (SCI-Expanded)
- XI. The Soliton Solutions for Some Nonlinear Fractional Differential Equations with Beta-Derivative**  
 ÖZKAN E. M., ÖZKAN A.  
 AXIOMS, vol.10, no.3, 2021 (SCI-Expanded)
- XII. CARTAN CALCULUS OF Z(3)-GRADED DIFFERENTIAL CALCULUS ON THE QUANTUM PLANE**  
 Özkan E. M.  
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.9, no.5, 2012 (SCI-Expanded)
- XIII. Cartan Calculus on the Quantum Space R-q(3)**  
 Çelik S., Özkan E. M., Yaşar E.  
 TURKISH JOURNAL OF MATHEMATICS, vol.33, no.1, pp.75-83, 2009 (SCI-Expanded)
- XIV. A historical survey of the fundamental theorem of arithmetic**  
 Agargun A. G., Ozkan E. M.  
 HISTORIA MATHEMATICA, vol.28, pp.207-214, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. On 1-Absorbing Fuzzy Ideals of Commutative Semirings**  
 ÖZKAN E. M., ONAR S., ÖZKAN A., Kaplan İ.  
 Journal of Engineering Technology and Applied Sciences, vol.8, no.3, pp.131-141, 2023 (Peer-Reviewed Journal)
- II. On exact solutions of some important nonlinear conformable time-fractional differential equations**  
 Özkan E. M., Özkan A.  
 SeMA Journal, vol.80, no.2, pp.303-318, 2023 (Peer-Reviewed Journal)
- III. Inhomogeneous quantum group of Q-fermions**  
 ÖZKAN E. M., ÖZAVŞAR M.  
 SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.2, pp.271-275, 2023 (ESCI)
- IV. 2-ABSORBING INTUITIONISTIC FUZZY IDEALS OF COMMUTATIVE SEMIRINGS**  
 Özkan E. M., Onar S., Özkan A., Ayan R.  
 JOURNAL OF SCIENCE AND ARTS, vol.23, no.1, pp.187-198, 2023 (ESCI)
- V. 2-Absorbing delta-Primary Intuitionistic Fuzzy Ideals of Commutative Rings**  
 Onar S., Özkan E. M., Ersoy B. A., Hila K.  
 NEW MATHEMATICS AND NATURAL COMPUTATION, vol.19, no.1, pp.87-104, 2023 (ESCI)
- VI. Exact solutions of the space time-fractional Klein-Gordon equation with cubic nonlinearities using some methods**  
 ÖZKAN A., ÖZKAN E. M.  
 COMPUTATIONAL METHODS FOR DIFFERENTIAL EQUATIONS, vol.10, no.3, pp.674-685, 2022 (ESCI)
- VII. QUANTUM SPLIT QUATERNIONS**  
 ÖZAVŞAR M., ÖZKAN E. M.  
 JOURNAL OF SCIENCE AND ARTS, no.4, pp.1003-1010, 2021 (ESCI)
- VIII. On the Misconceptions of 10th Grade Students about Analytical Geometry**  
 Özkan A., Özkan E. M., Karapıçak S.  
 The Educational Review, USA, vol.2, no.8, pp.417-426, 2018 (Peer-Reviewed Journal)
- IX. A Survey on the Factors Being Affected from Spectators of Basketball Players**

Özkan E. M., Özkan A.

The Educational Review, USA, vol.2, no.3, pp.217-221, 2018 (Peer-Reviewed Journal)

- X. **A study on the visualization skills of 6th Grade Students**  
ÖZKAN A., Arıkan E. E., ÖZKAN E. M.  
Universal Journal of Educational Research, vol.6, no.2, pp.354-359, 2018 (Scopus)
- XI. **An examination in Turkey Error analysis of Mathematics students on group theory**  
Arıkan E. E., Özkan E. M., Özkan A.  
Educational Research and Reviews, vol.10, no.16, pp.2352-2361, 2015 (Peer-Reviewed Journal)
- XII. **Extended Calculi on Z3 Graded Quantum Superplane**  
Çelik S., Özkan E. M.  
JP Journal of Geometry and Topology, vol.15, no.2, pp.127-146, 2014 (Scopus)
- XIII. **Verifying Misconception in Implementation of L hospital Rule**  
Arıkan E. E., ÖZKAN E. M., ÜNAL H.  
Journal of Educational Science, vol.3, pp.21-31, 2014 (Peer-Reviewed Journal)
- XIV. **Fuzzy Grup ve Fuzzy İdealler Üzerine**  
ÖZKAN A., ÖZKAN E. M., YENİ S. E.  
Yıldız Teknik Üniversitesi Dergisi, vol.1, pp.1-8, 2003 (Peer-Reviewed Journal)
- XV. **Bazı Cebirsel Yapılar Üzerine**  
ÖZKAN E. M., ÖZKAN A.  
Yıldız Teknik Üniversitesi Dergisi, vol.3, pp.57-66, 2002 (Peer-Reviewed Journal)
- XVI. **A Different Approach to Coding Theory**  
Özkan A., Özkan E. M.  
Pakistan Journal of Applied Science, vol.2, no.11, pp.1032-1033, 2002 (Peer-Reviewed Journal)
- XVII. **Simetrik Dizayn İle Üretilen Kodlarla İlgili Bir Fuzzy Olasılık Fonksiyonu**  
ÖZKAN A., ÖZKAN E. M.  
Yıldız Teknik Üniversitesi Dergisi, vol.3, pp.97-104, 2000 (Peer-Reviewed Journal)
- XVIII. **Fuzzy Mantıkta Ya Da Operatörü ve Fuzzy Koşullu Çıkarımda Uygulanması**  
ÖZKAN E. M.  
Yıldız Teknik Üniversitesi Dergisi, vol.2, pp.42-51, 2000 (Peer-Reviewed Journal)
- XIX. **Çok Değerli Mantıkta Bağdaşmazlık ve Birlikte Değilleme Operatörlerinin İncelenmesi ve Fuzzy Mantıkta Uygulanması**  
ÖZKAN E. M.  
Yıldız Teknik Üniversitesi Dergisi, vol.2, pp.14-22, 2000 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Diferansiyel Denklemler Cilt 2**  
Aksoy Y., ÖZKAN E. M.  
Yıldız Teknik Üniversitesi Basım-Yayın Merkezi / İstanbul, 2017
- II. **Bulanık Mantığa Giriş**  
Aksoy Y., ÖZKAN E. M., Karanfil S.  
Y.T.U. Vakfı Yayınları, 2003

## Refereed Congress / Symposium Publications in Proceedings

- I. **2-absorbing Ideals of Commutative Semirings with Bipolar Fuzzy Logic**  
Onar S., Özkan E. M., Özkan A.  
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024),  
Coimbra, Portugal, 16 - 18 September 2024, pp.10-11

- II. **Intuitionistic fuzzy weakly 2-absorbing ideals of a lattice**  
Yazar S., Onar S., Özkan E. M.  
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024),  
Coimbra, Portugal, 16 - 18 September 2024, pp.23
- III. **A Note on Analytical Solutions of one type of the special fractional integro-differential equation**  
Özkan E. M., Deniz H. A.  
V International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE 2024),  
Coimbra, Portugal, 16 - 18 September 2024, pp.30
- IV. **On Bipolar Fuzzy Soft Hyperlattices**  
Özkan E. M., Yeşilmen G., Onar S.  
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024),  
Coimbra, Portugal, 16 - 18 September 2024, pp.9
- V. **A Study of Analytical Solutions of the (2+1)-dimensional Time Conformable Maccari System**  
Akar M., Özkan E. M.  
2024 Joint Mathematics Meetings, San Francisco, California, United States Of America, 3 - 06 January 2024, pp.2
- VI. **A View of Exact Solutions of (2+1)-dimensional Time Conformable Schrödinger Equation**  
Özkan E. M., Akar M.  
2024 Joint Mathematics Meetings, San Francisco, California, United States Of America, 3 - 06 January 2024, pp.1
- VII. **Bipolar Fuzzy Soft Hyperlattices**  
Yeşilmen G., Özkan E. M., Onar S., Özkan A.  
15th Algebraic Hyperstructures and its Applications Conference (AHA2023), İstanbul, Turkey, 28 - 30 July 2023,  
pp.27
- VIII. **On 1-Absorbing Bipolar Fuzzy Primary Ideals of Commutative Semirings**  
Kaplan İ., Özkan E. M., Onar S., Özkan A.  
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 14 - 16 December  
2022, pp.61
- IX. **On 2-Absorbing Neutrosophic Primary Ideals of Commutative Semirings**  
Ayan R., Özkan E. M., Onar S., Özkan A.  
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 14 - 16 December  
2022, pp.66
- X. **On 1-Absorbing Vague Ideals of Commutative Semirings**  
Kaplan İ., Özkan E. M., Onar S., Özkan A.  
4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Turkey, 20 - 23  
October 2022, pp.14
- XI. **On 2-Absorbing Bipolar Fuzzy Primary Ideals of Commutative Semirings**  
Ayan R., Özkan E. M., Onar S., Özkan A.  
4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Turkey, 20 - 23  
October 2022, pp.15
- XII. **A Study On 1-Absorbing Intuitionistic Fuzzy Ideals of Commutative Semirings**  
Özkan E. M., Onar S., Özkan A., Kaplan İ.  
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), İstanbul, Turkey, 28 - 30 June  
2022, pp.174
- XIII. **A Note on 2-Absorbing Vague Ideals of Commutative Semirings**  
Özkan E. M., Onar S., Özkan A., Ayan R.  
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), İstanbul, Turkey, 28 - 30 June  
2022, pp.173
- XIV. **On 1-Absorbing Fuzzy Ideals of Commutative Semirings**  
Özkan E. M., Kaplan İ.  
5th International E-Conference on Mathematical Advances and Applications, 11 - 14 May 2022, pp.115
- XV. **Vague Soft Lattices**  
Onar S., Özkan E. M., Ersoy B. A.

8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Antalya, Turkey, 19 - 21 October 2021, pp.1

- XVI. **Exact solutions of some important nonlinear fractional partial differential equations by the F-expansion method**  
Özkan E. M., Kural Y.  
International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE 2021), Salamanca, Spain, 1 - 02 July 2021, pp.112
- XVII. **Bright soliton solutions for time fractional Korteweg-de Vries equation**  
Özkan E. M., Özkan A.  
5th International Conference on Analysis and Applied Mathematics, ICAAM 2020, Mersin, Turkey, 23 - 30 September 2020, vol.2325
- XVIII. **Investigation of the reasons why volleyball players affected by the spectators**  
Özkan E. M.  
11th World Conference on Educational Sciences (WCES-2019), Milan, Italy, 7 - 09 February 2019
- XIX. **Misconceptions And Error Analysis Of 10th Grade Students On Analytical Geometry**  
ÖZKAN A., ÖZKAN E. M.  
5th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, 5 - 09 September 2018
- XX. **Error analysis of Mathematics students on Group Theory**  
ÖZKAN E. M., ÖZKAN A.  
9th World Conference on Learning, Teaching and Educational Leadership, 26 - 28 October 2018
- XXI. **Mistakes and Misconceptions Regarding to Exponential Numbers on Primary Education**  
ÖZKAN E. M.  
7th Cyprus International Conference on Educational Research (CYICER-2018), 7 - 09 June 2018
- XXII. **Structure of Cyclic Codes over  $Z_{p^2}$  and Some Special Family of Them**  
TEMİZ F., ÖZKAN E. M.  
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu University, Ordu, 27 - 29 June 2018
- XXIII. **On The Misconceptions of 10th Grade Students about Analytical Geometry**  
ÖZKAN A., ÖZKAN E. M.  
International Conference on Mathematical Advances and Applications (ICOMAA2018), 11 - 13 May 2018
- XXIV. **Misconceptions on Limit and Continuity**  
ÖZKAN E. M., ÖZKAN A.  
10th World Conference on Educational Sciences (WCES-2018), 1 - 03 February 2018, pp.32
- XXV. **Periodic And Solitary Wave Solutions of Some Physical Models**  
Özkan E. M., Akar M., Çevikel A. C.  
1134th meeting of the American Mathematical Society, Riverside, California, United States Of America, 4 - 05 November 2017
- XXVI. **On Ideals of the ring  $Z_{p^s} + uZ_{p^s}$**   
TEMİZ F., ÖZKAN E. M.  
International Congress on Fundamental and Applied Sciences 2017 (ICFAS2017), Saraybosna, Bosnia And Herzegovina, 21 August 2017, pp.83
- XXVII. **On Ideals of The Ring  $Z_{p^s} + uZ_{p^s}$**   
TEMİZ F., ÖZKAN E. M.  
International Congress on Fundamental and Applied Sciences, 21 - 25 August 2017
- XXVIII. **Matematik Eğitiminde Görselleştirme Yaklaşımı ve Bir Uygulaması -Visualizatın Approach in Mathematics Education And its Application**  
ÖZKAN E. M., GÜNDEMİR M.  
International Multidisciplinary Congress Of Eurasia-IMCOFE, 27 - 30 April 2017
- XXIX. **Mistakes and misconceptions regarding to natural numbers on secondary Mathematics Education**  
ÖZKAN A., ÖZKAN E. M.  
13th International Conference of Algebraic Hyperstructures and its Applications (AHA2017), Turkey, 24 - 27 July

2017

- XXX. **On the Inhomogeneous Quantum Group of Fermions**  
ÖZKAN E. M., ÖZAVŞAR M.  
ICAAMM17, 3 - 07 July 2017
- XXXI. **q-Fermions with  $d=1$**   
ÖZKAN E. M., ÖZAVŞAR M.  
ICPAS 2017, 2 - 06 February 2017
- XXXII. **Misconceptions and Learning Difficulties in Absolute Value Problems**  
ÖZKAN A., ÖZKAN E. M.  
9th World Conference on Educational Sciences, Nice, France, 1 - 04 February 2017
- XXXIII. **Misconceptions and error analysis on decimal numbers**  
ÖZKAN E. M.  
7th World Conference on Learning, Teaching and Educational Leadership, 27 - 29 October 2016
- XXXIV. **On the Split Quaternions**  
ÖZKAN E. M., ÖZAVŞAR M.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXXV. **On the Generalization of Quaternions**  
ÖZAVŞAR M., ÖZKAN E. M.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXXVI. **A Study on Visualization of Mathematical Problems The Avoidance of Visual Assessments in High school Students**  
Özkan E. M., Gündemir M.  
8th World Conference on Educational Sciences, Madrid, Spain, 4 - 06 February 2016
- XXXVII. **On Extended Calculus of Z3 Graded Differential Calculus on the Quantum Plane**  
ÖZKAN E. M.  
Seventh International Conference on Dynamic Systems and Applications & Fifth International Conference on Neural, Parallel, and Scientific Computations, Atlanta, United States Of America, 27 - 30 May 2015
- XXXVIII. **Misconceptions on the Summation Symbol Subject and Solution Proposals**  
ÖZKAN A., ÖZKAN E. M.  
5th World Conference on Learning, Teaching and Educational Leadership, WCLTA 2014, Prague, Czech Republic, 29 - 31 October 2014, vol.186, pp.670-673
- XXXIX. **Geometrical Approaches to Algebraically Difficult Problems**  
Tepedeldiren Y. T., ÖZKAN E. M.  
5th World Conference on Educational Sciences (WCES), Rome, Italy, 5 - 08 February 2013, vol.116, pp.177-179
- XL. **A survey on the factors being affected from spectators of basketball players in Turkey**  
ÖZKAN E. M., ÖZKAN A.  
WORLD CONFERENCE ON LEARNING, TEACHING AND EDUCATIONAL LEADERSHIP, Barcelona, Spain, 27 October - 29 December 2013
- XLI. **A Study on Learning Difficulties in Group Theory**  
ÖZKAN A., ÖZKAN E. M.  
6th World Conference on Educational Sciences WCES 2014, Malta, 06 February 2014 - 09 February 2013
- XLII. **Algebraic Tendencies to Multiple Representations I**  
TEPEDELDIREN T., ÖZKAN E. M., BURAN B. A.  
ICAAA 2012 International Conference on Applied Analysis and algebra, 20 - 24 June 2012
- XLIII. **Türk ve Singapur Ders Kitaplarının Karşılaştırmalı Analizi (not presented)**  
ÖZKAN E. M.  
IV. Uluslararası Türkiye Eğitim Araştırmaları Kongresi, 01 May 2012
- XLIV. **Misconceptions and learning difficulties in radical numbers**  
ÖZKAN A., ÖZKAN E. M.  
4th World Conference on Educational Sciences (WCES), Barcelona, Spain, 2 - 05 February 2012, vol.46, pp.462-467

- XLV. **Misconception in exponential numbers in IST and IIND level primary school mathematics**  
ÖZKAN E. M., ÖZKAN A.  
4th World Conference on Educational Sciences (WCES), Barcelona, Spain, 2 - 05 February 2012, vol.46, pp.65-69
- XLVI. **On Fuzzy interior Gamma hyperideals of Gamma semihypergroups**  
YENİGÜN M., DAVVAZ M., ERSOY B. A., SARICAOĞLU Y., ÖZKAN E. M.  
ICAAA 2011 International Conference on Applied Analysis and Algebra, 29 June - 02 July 2011
- XLVII. **Geometrical and algebraic approach to multiple representations**  
ÖZKAN E. M., ÜNAL H., TEPEDELDİREN T.  
3rd World Conference on Educational Sciences, 3 - 07 February 2011, vol.15, pp.72-75
- XLVIII. **Misconceptions in radicals in high school mathematics**  
ÖZKAN E. M.  
3rd World Conference on Educational Sciences (WCES), İstanbul, Turkey, 3 - 07 February 2011, vol.15, pp.120-127
- XLIX. **Mutlak Değer Konusunda Yapılan Kavram Yanılgıları**  
ÖZKAN A., ÖZKAN E. M.  
International Conference on New Horizons in Education INTE 2010, Magosa, Cyprus (Kkct), 23 - 25 June 2010
- L. **The effect of private tutoring on performance in mathematics in Turkey: A comparison across occupational types**  
ÜNAL H., ÖZKAN E. M., MILTON S., PRICE K., CURVA F.  
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5512-5517
- LI. **Misconception in Calculus-I: Engineering students' misconceptions in the process of finding domain of functions**  
ÖZKAN E. M., ÜNAL H.  
World Conference on Educational Sciences, Nicosia, CYPRUS, 4 - 07 February 2009, vol.1, pp.1792-1796
- LII. **Misconception in Calculus Course for Engineering Students The Case of Limit**  
ÖZKAN E. M., ÜNAL H.  
International Conference on Further Education in Balkan Countries, Konya, Turkey, 23 - 25 October 2008
- LIII. **Divergent Thinking In Geometry**  
ÖZKAN E. M., Cemal J.  
International Conference on Further Education in Balkan Countries, Konya, Turkey, 23 - 25 October 2008
- LIV. **Influence of mathematicians in history on pre service mathematics teachers beliefs about the nature of mathematics**  
ÖZKAN E. M., Ünal H.  
5th European Summer University On The History And Epistemology In Mathematics Education (ESU-5), Prag, Czech Republic, 19 - 24 July 2007

## Supported Projects

ÖZKAN E. M., Ayan R., Project Supported by Higher Education Institutions, Değişmeli Yarı Halkalarda 2-Yutan Bulanık İdealler, 2022 - 2023

ÖZKAN E. M., Kaplan İ., Project Supported by Higher Education Institutions, Değişmeli Yarı Halkalarda 1-Yutan Bulanık İdealler, 2022 - 2023

ÖZKAN E. M., TEMİZ F., Project Supported by Higher Education Institutions, BAZI HALKALAR ÜZERİNDE TANIMLI ALTMODÜL KODLARI, 2017 - 2018

ÖZKAN E. M., Project Supported by Higher Education Institutions, Türk ve Singapur 7. 8.9.10.11 ve12. Sınıf Matematik Ders Kitaplarının Karşılaştırmalı Analizi, 2010 - 2012



## Activities in Scientific Journals

Universal Journal of Educational Research, Evaluation Committee Member, 2020 - Continues

Cypriot Journal of Educational Sciences, Advisory Committee Member, 2018 - Continues

## Scientific Refereeing

OPTICAL AND QUANTUM ELECTRONICS, SCI Journal, January 2024

INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING : THEORY APPLICATIONS AND PRACTICE, SCI Journal, July 2023

OPTICAL AND QUANTUM ELECTRONICS, SCI Journal, May 2023

SYMMETRY, SCI Journal, April 2023

FRACTALS, SCI Journal, February 2023

Journal of Mathematics, SCI Journal, December 2022

Journal of Fractional Calculus and Applications, Other Indexed Journal, February 2022

International Journal of Science and Technology Education Research, Other Indexed Journal, November 2020

Universal Journal of Educational Research, Other Indexed Journal, September 2020

New Trends in Mathematical Sciences, Other Indexed Journal, December 2017

International Online Journal of Educational Science, Other Indexed Journal, January 2013

## Metrics

Publication: 89

Citation (WoS): 171

Citation (Scopus): 185

H-Index (WoS): 8

H-Index (Scopus): 8

## Congress and Symposium Activities

7th Cyprus International Conference on Educational Research, Attendee, Girne, Cyprus (Kkctc), 2018

Interntional Conference on Mathematical Advances and Applications (ICOMAA2018), Attendee, İstanbul, Turkey, 2018

13th International Conference of Algebraic Hyperstructures and its Applications (AHA2017), Attendee, İstanbul, Turkey, 2017

International Conference on Applied Analysis and Mathematical Modeling, Attendee, İstanbul, Turkey, 2017

International Multidisciplinary Congress Of Eurasia-IMCOFE, Attendee, Barcelona, Spain, 2017

3rd International Conference on Pure and Applied Sciences, Attendee, Dubai, United Arab Emirates, 2017

14th International Geometry Symposium, Attendee, Denizli, Turkey, 2016

8th World Conference on Educational Sciences, Attendee, Madrid, Spain, 2016

Seventh International Conference on Dynamic Systems and Applications &Fifth International Conference on Neural, Parallel, and Scientific Computations, Attendee, Georgia, United States Of America, 2015

5th WORLD CONFERENCE ON EDUCATIONAL SCIENCES, Attendee, Rome, Italy, 2013

ICAAA 2012 International Conference on Applied Analysis and algebra, Attendee, İstanbul, Turkey, 2012

4th WORLD CONFERENCE ON EDUCATIONAL SCIENCES, Attendee, Barcelona, Spain, 2012

ICAAA 2011 International Conference on Applied Analysis and Algebra, Attendee, İstanbul, Turkey, 2011

World Conference on Educational Sciences: New Trends and Issues in Educational Sciences, Attendee, Girne, Cyprus (Kkctc), 2009

International Conference on Further Education in Balkan Countries, Attendee, Konya, Turkey, 2008

5th European Summer University On The History And Epistemology In Mathematics Education (ESU-5), Attendee, Praha, Czech Republic, 2007

## **Non Academic Experience**

Florida State University