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Education Information

Doctorate, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, Turkey 2009 - 2014

Postgraduate, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, Turkey 2006 - 2009

Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2002 - 2006

Dissertations

Doctorate, Düzgün çokyüzlülerin metrik geometriler ile ilişkileri üzerine, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, 2014

Postgraduate, Bulanık kümeler ve bulanık geometriler üzerine, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, 2009

Research Areas

Mathematics, Geometry

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, 2015 - Continues

Research Assistant, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, 2007 - 2015

Advising Theses

Ermiş T., n. mertebeden tam G ve S-Metrik uzaylardan yeni tam n. mertebeden G ve S-Metrik uzayların elde edilişi üzerine, Postgraduate, E.TELLİ(Student), 2022

Ermiş T., Lp-normlu uzaylarda inversiyon dönüşümünün özellikleri, Postgraduate, A.OSMAN(Student), 2022

Ermiş T., A-metrik uzayda Suzuki tip sabit nokta teoremleri, Doctorate, E.ÇOLAK(Student), 2021

Ermiş T., Sabit noktaların bazı geometrik özellikleri, Doctorate, G.Zaim(Student), 2020

Ermiş T., Genelleştirilmiş Metrik Uzaylarda Kapalı Bağıntıları Sağlayan Dönüşümlerin Sabit Noktaları, Postgraduate,

S.ÖNÇIRAK(Student), 2019

Ermiş T., Üç boyutlu uzayın TD metriğine göre izometri grubu üzerine, Postgraduate, M.ÇOLAK(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Mathematical modeling for the potential energy of the aminophenol derivative azomethine molecule via Bezier surfaces and fuzzy inference system**
ERMİŞ T.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, 2024 (SCI-Expanded)

II. **Theoretical and experimental study on (E)-N'-(2-hydroxy-5-(thiophen-3-yl)benzylidene)benzohydrazide compound: Its optimization with DFT and Fuzzy logic approach (FLA), structural and spectroscopic investigation, HOMO-LUMO, MEP, atomic charge, and NBO analysis**
Ahmed Z. K., ERMİŞ T., Ermiş E.
Journal of Molecular Structure, vol.1315, 2024 (SCI-Expanded)

III. **A New Approach to Circular Inversion in l1-Normed Spaces**
Ermiş T., Şen A. O., Gıelıs J.
SYMMETRY, vol.16, pp.874, 2024 (SCI-Expanded)

IV. **A new filled function for global optimization and its deterministic efficiency in solving the facility layout/location problem**
ŞAHİNER A., ERMİŞ T., Findik A. B., Awan M. W., ÖZDEMİR G.
ENGINEERING OPTIMIZATION, 2024 (SCI-Expanded)

V. **Fixed ellipse theorems in metric spaces and an application of discontinuous activation function in neural networks**
ERMİŞ T., Ercinar G. Z., GELİŞGEN Ö.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.46, no.15, pp.16037-16049, 2023 (SCI-Expanded)

VI. **A New Filled Function for Global Optimization**
ŞAHİNER A., ERMİŞ T., Awan M. W.
Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.31, no.3, pp.207-220, 2023 (SCI-Expanded)

VII. **Determining the most effective way of intervention in forest fires with fuzzy logic modeling : the case of Antalya/Türkiye**
ŞAHİNER A., ERMİŞ T., Karakoyun M. H., Awan M. W.
Natural Hazards, vol.116, no.2, pp.2269-2282, 2023 (SCI-Expanded)

VIII. **Optimization of energy surface of thiophene-benzothiazole derivative Schiff base molecule with fuzzy logic modelling**
Şahiner A., Ermiş T., Ermiş E.
Computational and Theoretical Chemistry, vol.1211, 2022 (SCI-Expanded)

IX. **Synthesis, characterization of (E)-3-((2–hydroxy-5-(thiophen-2-yl) benzylidene)amino)benzonitrile and optimization of its energy by Fuzzy Logic Modelling**
Ermiş E., Ermiş T., Şahiner A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1262, pp.1-11, 2022 (SCI-Expanded)

X. **Remarks on asymptotic regularity in A-metric spaces**
ERMİŞ T., GELİŞGEN Ö., Abbas M.
Optimization, vol.71, no.13, pp.3737-3765, 2022 (SCI-Expanded)

Articles Published in Other Journals

I. **Original New Fixed Point Theorems In nth Order G— Metric Spaces**

Ermiş T., Önçırak S.

New Trends in Mathematical Sciences, vol.11, no.4, pp.50-61, 2023 (Peer-Reviewed Journal)

II. **Inversions and Fractal Patterns in Alpha Plane**

GELİŞGEN Ö., ERMİŞ T.

International Electronic Journal of Geometry, vol.16, no.1, pp.398-411, 2023 (ESCI)

III. **On Contructing Complete A-Metric Spaces**

Ermiş T.

Konuralp Journal of Mathematics, vol.10, no.1, pp.30-33, 2022 (Peer-Reviewed Journal)

IV. **DOES THE MONGE THEOREM APPLY TO SOME NON-EUCLIDEAN GEOMETRIES ?**

ERMİŞ T., GELİŞGEN Ö.

Global Journal of Advanced Research on Classical and Modern Geometries, vol.10, no.2, pp.122-127, 2021 (Peer-Reviewed Journal)

V. **THE METRICS FOR RHOMBICUBOCTAHEDRON AND RHOMBICOSIDODECAHEDRON**

Gelişgen Ö., Ermiş T.

Palestine Journal of Mathematics, vol.9, no.1, pp.15-25, 2020 (Scopus)

VI. **Geometric Analysis of the Some Rectified Archimedean Solids Spaces via Their Isometry Groups**

ERMİŞ T.

Mathematical Sciences and Applications E-Notes, vol.8, no.2, 2020 (Peer-Reviewed Journal)

VII. **A NOTE ABOUT TRUNCATED RHOMBICUBOCTAHEDRON AND TRUNCATED RHOMBICICOSIDODECAHEDRON SPACE**

ERMİŞ T., SAVCI Ü. Z., GELİŞGEN Ö.

Scientific Studies and Research Series Mathematics and Informatics, vol.29, no.1, pp.73-88, 2019 (Peer-Reviewed Journal)

VIII. **Some properties of inversions in alpha plane**

GELİŞGEN Ö., ERMİŞ T.

Forum Geometricorum, vol.19, pp.1-9, 2019 (Peer-Reviewed Journal)

IX. **A TAXICAB VERSION OF A TRIANGLE'S APOLLONIUS CIRCLE**

ERMİŞ T., GELİŞGEN Ö., EKİCİ A.

Journal of Mahani Mathematical Research Center, vol.7, pp.25-36, 2018 (Peer-Reviewed Journal)

X. **A Note About The Metrics Induced by Truncated Dodecahedron And Truncated Icosahedron**

GELİŞGEN Ö., ERMİŞ T., GÜNALTILI İ.

InternationalJournal of Geometry, vol.6, no.2, pp.5-16, 2017 (Peer-Reviewed Journal)

XI. **ON AN EXTENSION OF THE POLAR TAXICAB DISTANCE IN SPACE**

ERMİŞ T., GELİŞGEN Ö.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.65, no.2, pp.37-45, 2016 (ESCI)

XII. **On the Isometries of 3 Dimensional Maximum Spaces**

ERMİŞ T., Kaya R.

Konuralp Journal of Mathematics, vol.3, no.1, pp.103-114, 2015 (Peer-Reviewed Journal)

XIII. **On the Area of a Triangle in IR M 2**

ERMİŞ T., GELİŞGEN Ö.

Afyon Kocatepe University Journal of Science and Engineering, vol.15, pp.7-14, 2015 (Peer-Reviewed Journal)

XIV. **Area formulas for a triangle in the m plane**

GELİŞGEN Ö., ERMİŞ T.

Konuralp Journal of Mathematics, vol.2, no.2, pp.85-95, 2014 (Peer-Reviewed Journal)

XV. **On Taxicab Incircle and Circumcircle of a Triangle**

ERMİŞ T., GELİŞGEN Ö., Rüstem K.

Scientific and Professional Journal of the Croatian Society for Geometry and Graphics, vol.16, pp.3-12, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **A Geometric View to Fixed Point Theory on A Metric Space: Fixed Apollonius Circle**
GELİŞGEN Ö., ERMİŞ T., Zaim Erçınar G.
11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022), İstanbul, Turkey, 29 August 2022

II. **A Geometric View to Fixed Point Theory on A Metric Space: Fixed Cassini Ovals**
Zaim Erçınar G., ERMİŞ T., GELİŞGEN Ö.
19th International Geometry Symposium, Edirne, Turkey, 27 June 2022

III. **A Geometric View to Fixed Point Theory on A Metric Space: Fixed Ellipses**
GELİŞGEN Ö., ERMİŞ T., Zaim Erçınar G.
19th International Geometry Symposium, Edirne, Turkey, 27 June 2022

IV. **A Geometric View to Fixed Point Theory on A Metric Space: Fixed Hyperbolas**
ERMİŞ T., GELİŞGEN Ö., Zaim Erçınar G.
19th International Geometry Symposium, Edirne, Turkey, 27 June 2022

V. **On Obtaining Complete S-Metric Space**
ERMİŞ T., GELİŞGEN Ö.
17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019

VI. **Some Fixed Point Theorems in G-Metric Spaces with Order n**
Kızılavuz S., GELİŞGEN Ö., ERMİŞ T.
17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019

VII. **A General Fixed Point Theorem on A-Metric Spaces**
GELİŞGEN Ö., ERMİŞ T.
17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019

VIII. **Isometry Group in TD and TI Metric Spaces**
ERMİŞ T., GELİŞGEN Ö.
16. Uluslararası Geometri Sempozyumu, Manisa, Turkey, 4 - 07 July 2018

IX. **The Circle Inversion Fractals in Terms of Alpha Metric**
GELİŞGEN Ö., ERMİŞ T.
16. Uluslararası Geometri Sempozyumu, Manisa, Turkey, 4 - 07 July 2018

X. **Some Geometric Properties of Rhombic Dodecahedron Space**
ERMİŞ T., Zaim Erçınar G., GELİŞGEN Ö.
16. Uluslararası Geometri Sempozyumu, Manisa, Turkey, 4 - 07 July 2018

XI. **Inversion About a Circle in PT Metric Space**
ERMİŞ T., Çolak Aktaş E., GELİŞGEN Ö.
16. Uluslararası Geometri Sempozymu, Manisa, Turkey, 4 - 07 July 2018

XII. **A Taxicab Version of Apollonius'xxs Circle**
ERMİŞ T., Ekici A., GELİŞGEN Ö.
The 15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017

XIII. **Alpha Circle Inversion and Fractals**
GELİŞGEN Ö., ERMİŞ T.
The 15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017

XIV. **On the Truncated Dodecahedron and TruncatedIcosahedron Spaces**
ERMİŞ T., Çolak M., GELİŞGEN Ö.
The 15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017

XV. **The Isometry Group of Polyhedral Space**
GELİŞGEN Ö., ERMİŞ T.
International Conference of Quantum Sciences and Applications, Eskişehir, 25 - 28 May 2016

XVI. **ON THE METRIC GEOMETRY AND DODECAHEDRON**
ERMİŞ T., GELİŞGEN Ö.
International Conference of Quantum Sciences and Applications, Eskişehir, 24 - 28 May 2016

XVII.	**An Apollonius Circle in The Taxicab Plane Geometry**
	EKİCİ A., ERMİŞ T.
	14th International Geometry Symposium, Denizli, 25 - 28 May 2016
XVIII.	**On The Polar Taxicab Metric In Three Dimensional Space**
	ERMİŞ T., GELİŞGEN Ö.
	14th International Geometry Symposium, Denizli, 25 - 28 May 2016
XIX.	**On Triakis Octahedron Metric and Its Isometry Group**
	BOZKURT G., ERMİŞ T.
	14th International Geometry Symposium, Denizli, 25 - 28 May 2016
XX.	**On Archimedean Polyhedral Metric and its Isometry Group**
	GELİŞGEN Ö., ERMİŞ T.
	14th International Geometry Symposium, Denizli, 25 May 2016
XXI.	**m DÜZLEMİNDE TRİGONOMETRİK FONKSİYONLAR VE BAZI TRİGONOMETRİK ÖZELLİKLER**
	ERMİŞ T.
	XIII.Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015
XXII.	**m DÜZLEMİNDE BAZI TRİGONOMETRİK FONKSİYONLAR**
	ERMİŞ T.
	14. Matematik Sempozyumu, Niğde, Türkiye, Turkey, 14 - 16 May 2015
XXIII.	**ON THE METRIC GEOMETRY AND REGULAR POLYHEDRONS**
	ERMİŞ T., KAYA R.
	INTERNATIONAL CONGRESS IN HONOUR OFPROFESSOR RAVI P. AGARWAL, 23 - 26 June 2014
XXIV.	**ON THE PLATONIC SOLIDS AND METRIC GEOMETRY**
	ERMİŞ T., KAYA R.
	XII. Geometri Sempozyumu, Bilecik, Türkiye, Turkey, 23 - 26 June 2014
XXV.	**A New Distance Function Reduced from Dodecahedron**
	ERMİŞ T., GELİŞGEN Ö.
	2. International Eurasian Conference on Mathematics Sciences and Applications (IECMSA-2013), 26 - 29 August 2013
XXVI.	**Taksi Düzlemde Üçgenlerin Çemberlerinin Bazı Özellikleri**
	ERMİŞ T., KAYA R., GELİŞGEN Ö.
	XI Ulusal Geometri Sempozyumu, 1 - 05 July 2013, vol.1
XXVII.	**SOME PROPERTIES OF THE CIRCLES OF TRIANGLES IN TAXICAB PLANE**
	ERMİŞ T., GELİŞGEN Ö., KAYA R.
	XI. GEOMETRİ SEMPOZYUMU, Turkey, 1 - 05 July 2013
XXVIII.	**Taksi Geometride Bir Üçgenin İçteğet ve Dış Teğet Çemberleri Üzerine**
	ERMİŞ T., GELİŞGEN Ö., KAYA R.
	IX Ulusal Geometri Sempozyumu, Turkey, 7 - 10 June 2011, vol.1
XXIX.	**TAKSİ GEOMETRİDE ÜÇGENLERİN İÇ TEĞET VE DIŞ TEĞET ÇEMBERLERİ ÜZERİNE**
	ERMİŞ T., GELİŞGEN Ö., KAYA R.
	vıı. Geometri Sempozyumu, Turkey, 7 - 10 July 2009

Supported Projects

Ermiş T., Project Supported by Higher Education Institutions, Genelleştirilmiş Metrik Uzaylarda Kapalı Bağıntıları Sağlayan Dönüşümlerin Sabit Noktaları, 2020 - 2021

Ermiş T., Project Supported by Higher Education Institutions, Bazı Düzeltilmiş Archimedean Çokyüzlülerin Geometrik Özellikleri Üzerine, 2017 - 2018

Metrics

Publication: 55

Non Academic Experience

Eskişehir Osmangazi Üniversitesi