

Prof. MURAT OLGUN

Personal Information

Office Phone: [+90 312 216 8958](tel:+903122168958)

Fax Phone: [+90 312 216 8940](tel:+903122168940)

Email: olgun@ankara.edu.tr

Web: <https://avesis.ankara.edu.tr/olgun>

Address: Ankara Üniversitesi Fen Fakültesi Matematik Bölümü Tandoğan ANKARA

International Researcher IDs

ScholarID: tfZjfPEAAAAJ

ORCID: 0000-0002-8660-5435

Publons / Web Of Science ResearcherID: C-3373-2014

ScopusID: 14065137700

Yoksis Researcher ID: 34120

Biography

YAYINLAR

52. Aydoğan, B., **Olgun, M.**, Smarandache, F., and Ünver, M., A decision-making approach incorporating TODIM method and sine entropy in q-rung picture fuzzy set setting, J. Appl. Math. 2024, 3798588.
51. Ünver, M., and **Olgun, M.**, q -rung orthopair picture fuzzy topological spaces and parameter-dependent continuity: control system applications, Math. Probl. Eng. 2023, 8848196
50. Bozyigit, M. C., **Olgun M.**, and Ünver, M., Circular Pythagorean fuzzy sets and applications to multi-criteria decision making, Informatica, 2023, 34(4), 713–742.
49. Garg, H., Ünver, M., **Olgun, M.**, and Türkarşlan, E., An extended EDAS method with circular intuitionistic fuzzy value features and its application to multi-criteria decision-making process, Artif. Intell. Rev. 2023, 56, 3173–3204.
48. Harish Garg, Mehmet Ünver, Büşra Aydoğan, **Murat Olgun** (2023) An extended TOPSIS and entropy measure based on Sugeno integral in Pythagorean fuzzy set setting, Journal of Intelligent & Fuzzy Systems 2023, 45(2), 2537-2549.
47. Harish Garg, **Murat Olgun**, Mehmet Ünver, Ezgi Türkarşlan (2023) An extension of CODAS method for multi-criteria group decision making with complex intuitionistic fuzzy information via Dombi sine weighted arithmetic aggregation operators, Granular Computing 2023, 8, 1467–1480.
46. Mehmet Ünver, **Murat Olgun** (2023) Continuous function valued q-rung orthopair fuzzy sets and an extended TOPSIS, International Journal of Fuzzy Systems 2023, 25, 2203–2217.
45. Ezgi Türkarşlan, Jun Ye, Mehmet Ünver and **Murat Olgun** (2023) Consistency fuzzy cross entropy based VIKOR approach for multi-criteria decision making, Iranian Journal of Fuzzy Systems (2023, 20(4), 39-56.
44. Mahmut Can Bozyigit, **Murat Olgun**, Florentin Smarandache, Mehmet Ünver (2023) A new type of neutrosophic set in Pythagorean Fuzzy environment and Applications to multi-criteria decision making, International Journal of

43. Ünver, Mehmet, Türkarlan, Ezgi, Ye, Jun and **Olgun, Murat** (2023). Linguistic Single And Interval-Valued Hybrid Intuitionistic Fuzzy Multi-Sets And Applications To Multi-Criteria Group Decision Making, *J. Mult-Valued Log. Soft Comput.* 2023, 41(1-2), 1-20.
42. Ünver, Mehmet, Olgun, Murat and Garg, Harish, (2023). An Information Measure Based Extended Vikor Method In Intuitionistic Fuzzy Valued Neutrosophic Value Setting For Multi-Criteria Group Decision Making, *Sci. Iran.* <https://doi.org/10.24200/SCI.2022.60039.6562>
41. Garg, Harish, **Olgun, Murat**, Türkarlan, Ezgi and Ünver, Mehmet (2022). A Choquet Integral Based Cosine Similarity Measure For Interval-Valued Intuitionistic Fuzzy Sets And An Application To Pattern Recognition, *Lobachevskii J. Math.*, 43, 2444–2452.
40. Ye Jun, Türkarlan Ezgi, Ünver Mehmet, **Olgun Murat** (2022). Algebraic And Einstein Weighted Operators Of Neutrosophic Enthalpy Values For Multi-Criteria Decision Making In Neutrosophic Multi-Valued Set Settings. *Granular Computing*, 7 (3), 479-487.
39. **Olgun Murat**, Türkarlan Ezgi, Ye Jun, Ünver Mehmet (2022). Single And Interval-Valued Hybrid Enthalpy Fuzzy Sets And A Topsis Approach For Multicriteria Group Decision Making. *Mathematical Problems In Engineering*, 2022, Doi: 10.1155/2022/2501321
38. Ünver Mehmet, **Olgun Murat**, Türkarlan Ezgi (2022). Cosine And Cotangent Similarity Measures Based On Choquet Integral For Spherical Fuzzy Sets And Applications To Pattern Recognition. *Journal Of Computational And Cognitive Engineering*, 1(1), Doi: 10.47852/Bonviewjce2022010105
37. Ünver Mehmet, Türkarlan Ezgi, Çelik Nuri, **Olgun Murat**, Ye Jun (2022). Intuitionistic Fuzzy-Valued Neutrosophic Multi-Sets And Numerical Applications To Classification. *Complex&Intelligent Systems*, 8(2), 19, Doi: 10.1007/S40747-021-00621-5
36. **Olgun Murat**, Alyıldız Tuğçe, Biçer Ödemiş Özge, Altun İshak (2021) Maia Type Fixed Point Results For Multivalued F-Contractions. *Miskolc Mathematical Notes*, 22 (2), 819-829.
35. Türkarlan Ezgi, Ünver Mehmet, **Olgun Murat** (2021). Q-Rung Orthopair Fuzzy Topological Spaces. *Lobachevskii Journal Of Mathematics*, 42, 470-478., Doi: 10.1134/S1995080221020219
34. **Olgun Murat**, Ünver Mehmet, Yardimci Şeyhmus (2021). Pythagorean Fuzzy Points and Applications In Pattern Recognition And Pythagorean Fuzzy Topologies. *Soft Computing*, 25 (7), 5225-5232 Doi: 10.1007/S00500-020-05522-2
33. **Olgun Murat**, Türkarlan Ezgi, Ünver Mehmet, Ye Jun (2021). A Cosine Similarity Measure Based on The Choquet Integral For Intuitionistic Fuzzy Sets And Its Applications To Pattern Recognition. *Informatica*, 32 (4), 849-864, Doi: 10.15388/21-Infor460
32. **Olgun Murat**, Türkarlan Ezgi, Ünver Mehmet, Ye Jun (2021). 2-Additive Choquet Similarity Measures for Multi-Period Medical Diagnosis In Single-Valued Neutrosophic Set Setting. *Neutrosophic Sets And Systems*, 45 (1), 2.
31. Türkarlan Ezgi, Ye Jun, Ünver Mehmet, **Olgun Murat** (2021). Consistency Fuzzy Sets And A Cosine Similarity Measure In Fuzzy Multiset Setting And Application To Medical Diagnosis. *Mathematical Problems In Engineering*, 2021, Doi: 10.1155/2021/9975983
30. Altun İshak, Qasim Muhammad, **Olgun Murat** (2021). A New Result Of Prešić Type Theorems With Applications To Second Order Boundary Value Problems. *Filomat*, 35, 2257-2266., Doi: 10.2298/Fil2107257a
29. Biçer Ödemiş Özge, **Olgun Murat**, Alyıldız Tuğçe, Altun İshak (2020). Some Related Fixed Point Theorems For Multivalued Mappings On Two Metric Spaces. *Carpathian Mathematical Publications*, 12(2), 392-400., Doi:

- 28.** Altun İshak, **Olgun Murat** (2020). An Existence And Uniqueness Theorem For A Fractional Boundary Value Problem Via New Fixed Point Results On Quasi Metric Spaces. *Communications In Nonlinear Science And Numerical Simulation*, 91(105462), 1-9., Doi: 10.1016/J.Cnsns.2020.105462
- 27.** Altun İshak, **Olgun Murat** (2020). Fixed Point Results For Perov Type F-Contractions And An Application. *Journal Of Fixed Point Theory And Applications*, 22(46), 1-11., Doi: 10.1007/S11784-020-00779-4.
- 26.** Ünver Mehmet, Özçelik Gökhan, **Olgun Murat** (2020). A Pre-Subadditive Fuzzy Measure Model And Its Theoretical Interpretation. *Twms (Turkic World Mathematical Society) Journal Of Applied And Engineering Mathematics*, 10(1), 270-278.
- 25.** **Olgun Murat**, Biçer Ödemiş Özge, Alyıldız Tuğçe, Altun İshak (2019). A Related Fixed Point Theorem For F-Contractions On Two Metric Spaces. *Hacettepe Journal Of Mathematics And Statistics*, 48(1), 150-156., Doi: 10.15672/Hjms.2017.517.
- 24.** **Olgun Murat**, Ünver Mehmet, Yardimci Şeyhmus (2019). Pythagorean Fuzzy Topological Spaces. *Complex & Intelligent Systems*, 5(2), 177-183., Doi: 10.1007/S40747-019-0095-2
- 23.** Aslan Hançer Hatice, **Olgun Murat**, Altun İshak (2019). Some New Types Multivalued F-Contractions On Quasi Metric Spaces And Their Fixed Points. *Carpathian Journal Of Mathematics*, 35(1), 41-50.
- 22.** Ünver Mehmet, Özçelik Gökhan, **Olgun Murat** (2018). A Fuzzy Measure Theoretical Approach For Multi Criteria Decision Making Problems Containing Sub-Criteria. *Journal Of Intelligent Fuzzy Systems*, 35(6), 6461-6468.
- 21.** Altun İshak, Durmaz Gonca, **Olgun Murat** (2018). P-Contractive Mappings On Metric Spaces. *Journal Of Nonlinear Functional Analysis*, 2018(1), 1-7., Doi: 10.23952/Jnfa.2018.43.
- 20.** **Olgun Murat**, Alyıldız Tuğçe, Biçer Özge, Altun İshak (2017). Fixed Point Results For F-Contractions On Space With Two Metrics. *Filomat*, 31(17), 5421-5426.
- 19.** Minak Gülhan, Altun İshak, **Olgun Murat** (2017). Fixed Points Of F-Contractive Type Fuzzy Mappings. *Journal Of Intelligent Fuzzy Systems*, 33(3), 1435-1439., Doi: 10.3233/Jifs-162365.
- 18.** Altun İshak, Minak Gülhan, **Olgun Murat** (2017). Classification Of Completeness Of Quasi Metric Space And Some Fixed Point Results. *Nonlinear Functional Analysis And Applications*, 22(2), 371-384.
- 17.** Katar Deniz, **Olgun Murat**, Coşkun Cafer (2016). Matrix Sturm Liouville Operators With Boundary Conditions Dependent On The Spectral Parameter. *The Journal Of Nonlinear Sciences And Applications*, 9(2), 435-442.
- 16.** Altun İshak, **Olgun Murat**, Minak Gülhan (2016). A New Approach To The Assad Kirk Fixed Point Theorem. *Journal Of Fixed Point Theory And Applications*, 18(1), 201-212., Doi: 10.1007/S11784-015-0270-Z. **14.**
- 15.** Altun İshak, Minak Gülhan, **Olgun Murat** (2016). Fixed Points Of Multivalued Nonlinear F Contractions On Complete Metric Spaces. *Nonlinear Analysis-Modelling And Control*, 21(2), 201-210., Doi: 10.15388/Na.2016.2.4.
- 14.** Yardimci Şeyhmus, **Olgun Murat**, Can Çağla (2016). Numerical Computation And Properties Of The Two Dimensional Exponential Integrals. *Hacettepe Journal Of Mathematics And Statistics*, 2(45), 483-495., Doi: 10.15672/Hjms.20164512505.
- 13.** **Olgun Murat**, Biçer Özge, Alyıldız Tuğçe (2016). A New Aspect To Picard Operators With Simulation Functions. *Turkish Journal Of Mathematics*, 40, 832-837., Doi: 10.3906/Mat-1505-26.
- 12.** **Olgun Murat**, Minak Gülhan, Altun İshak (2016). A New Approach To Mizoguchi Takahashi Type Fixed Point Theorems. *Journal Of Nonlinear And Convex Analysis*, 17(3), 579-587.

11. Minak Gülhan, **Olgun Murat**, Altun İshak (2015). A New Approach To Fixed Point Theorems For Multivalued Contractive Maps. *Carpathian Journal Of Mathematics*, 31(3), 241-248.
- 10 Altun İshak, **Olgun Murat**, Minak Gülhan (2015). On A New Class Of Multivalued Weakly Picard Operators On Complete Metric Spaces. *Taiwanese Journal Of Mathematics*, 19(3), 659-672., Doi: 10.11650/Tjm.19.2015.4752.
9. **Olgun Murat** (2015). Non Selfadjoint Matrix Sturm Liouville Operators With Eigenvalue Dependent Boundary Conditions. *Hacettepe Journal Of Mathematics And Statistics*, 44(3), 607-614., Doi: 10.15672/Hjms.2015449424.
8. Coskun Cafer, Katar Deniz, **Olgun Murat** (2014). Principal Functions Of Non Selfadjoint Matrix Sturm Liouville Operators With Boundary Conditions Dependent On The Spectral Parameter. *Communications Faculty Of Sciences University Of Ankara Series A 1: Mathematics And Statistics* , 63, 25-34.
7. Deniz Katar, **Olgun Murat**, Coskun Cafer (2014). Principal Functions Of Matrix Sturm Liouville operators With Boundary Conditions Dependent On the Spectral Parameter. *Miskolc Mathematical Notes*, 15(2), 525-535.
6. Aygar Yelda, **Olgun Murat** (2014). Investigation Of The Spectrum And The Jost Solutions Of Discrete Dirac System On The Whole Axis. *Journal Of Inequalities And Applications*, 2014(73), 1-9., Doi: 10.1186/1029-242x-2014-73.
5. Aygar Küçükvecilioğlu Yelda, **Olgun Murat**, Köprübaşı Turhan (2012). Principal Functions Of Nonselfadjoint Discrete Dirac Equations With Spectral Parameter In Boundary Conditions. *Abstract And Applied Analysis*, 2012(2012), 1-15., Doi: 10.1155/2012/924628.
4. **Olgun Murat** , Koprubasi Turhan , Aygar Yelda (2011). Principal Functions Of Non Selfadjoint Difference Operator With Spectral parameter In Boundary Conditions. *Abstract And Applied Analysis*, 2011(2011), 1-10., Doi: 10.1155/2011/608329.
3. Cafer Coşkun, **Olgun Murat** (2011). Principal Functions Of Non Selfadjoint Matrix Sturm Liouville Equations. *Journal Of Computational And Applied Mathematics*, 235(16, Si), 4834-4838., Doi: 10.1016/J.Cam.2010.12.004.
2. Bayram Elgiz, Aygar Küçükvecilioğlu Yelda, **Olgun Murat** (2010). Jost Solution And The Spectrum Of The Discrete Dirac Systems. *Boundary Value Problems*, 2010(2010), 1-11., Doi: 10.1155/2010/306571.
1. **Olgun Murat** , Coskun Cafer (2010). Non Selfadjoint Matrix Sturm Liouville Operators With Spectral Singularities. *Applied Mathematics And Computation*, 216(8), 2271-2275., Doi: 10.1016/J.Amc.2010.03.062

KİTAP BÖLÜMLERİ

1. Yelda Aygar, **Murat Olgun**; *Principal Vectors of Matrix-valued Difference Operators; Computational Analysis*, Amat (2015) Springer; (Editors: Anastassiou, George A., Duman, Oktay).
2. Ezgi Türkarslan, **Murat Olgun**, Mehmet Ünver, Şeyhmus Yardimci Chapter 11. 2- (Additive Choquet Cosine Similarity Measures for Simplified Neutrosophic Sets and Applications to Medical Diagnosis Decision-Making with Neutrosophic Set: Theory and Applications in Knowledge Management-Nova Science Publishers Editor: Harish Garg (2021).
3. Türkarslan, Ezgi, **Olgun, Murat**, Ünver, Mehmet, & Yardimci, S. Some Trigonometric Similarity Measures Based on the Choquet Integral for Pythagorean Fuzzy Sets and Applications to Pattern Recognition. *Pythagorean Fuzzy Sets: Theory and Applications*, (2021) 83.
4. Ezgi Türkarslan, Mehmet Ünver, **Murat Olgun**, A Vector Valued Similarity Measure Based on the Choquet Integral for

Intuitionistic Fuzzy Sets and Its Application to Pattern Recognition, Lecture Notes in Networks and Systems, (2022), 308, pp. 84–92. Doi: 10.1007/978-3-030-85577-2_10.

5. Türkarlan, E., Olgun, M., Ünver, M. and Yardımcı, Ş., q-Rung Orthopair Fuzzy Points and Applications to q-Rung Orthopair Fuzzy Topological Spaces and Pattern Recognition, Advances in Topology and Their Interdisciplinary Applications, Springer, 245–259, 2023.

AKADEMİK ZİYARETLER

1 University of Missouri -USA (01-09-2012 / 30-11-2012)

2 Universität Osnabrück -Germany (21-05-2012 / 25-05-2012)

ÜYELİKLER

American Mathematical Society, 2016-*

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2006 - 2010

Postgraduate, Kirikkale University, Institute Of Science, Matematik (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Self adjoint olmayan matris katsayılı Sturm-Liouville operatörleri, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2010

Postgraduate, I-yakınsaklık, Kirikkale University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2004

Research Areas

Mathematics, Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2022 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2017 - 2022

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2011 - 2017

Research Assistant, Kirikkale University, Faculty Of Arts And Sciences, Department Of Mathematics, 2011 - 2011

Research Assistant, Ankara University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü (Döner Sermaye), 2006 - 2011

Research Assistant, Kirikkale University, Faculty Of Arts And Sciences, Department Of Mathematics, 2001 - 2006

Academic and Administrative Experience

Head of Department, Ankara University, Fen Fakültesi, Matematik Bölümü, 2011 - 2022

Deputy Head of Department, Ankara University, Fen Fakültesi, Matematik Bölümü, 2016 - 2021

Deputy Head of Department, Ankara University, Fen Fakültesi, Matematik Bölümü, 2011 - 2015

Courses

Postgraduate

Sabit Nokta Teorisi I, Postgraduate, 2016 - 2017

Undergraduate

Advanced Analysis, Undergraduate, 2022 - 2023

MATEMATİK I -İSTATİSTİK BÖLÜMÜ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

MATEMATİK I -BİYOLOJİ BÖLÜMÜ, Undergraduate, 2016 - 2017

Diferensiyel Denklemler-Ziraat Fakültesi, Undergraduate, 2016 - 2017

İLERİ ANALİZ II-İSTATİSTİK BÖLÜMÜ, Undergraduate, 2015 - 2016

FONKSİYONEL ANALİZ I (II.ÖĞRETİM), Undergraduate, 2015 - 2016

FONKSİYONEL ANALİZ II (II.ÖĞRETİM), Undergraduate, 2015 - 2016

MATEMATİK II -İSTATİSTİK BÖLÜMÜ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

İleri Analiz I-İstatistik Bölümü, Undergraduate, 2015 - 2016

Matematik A+B (Eczacılık Fakültesi), Undergraduate, 2014 - 2015

Mathematics-1 (Su Ürünleri Müh.%100 İngilizce), Undergraduate, 2014 - 2015

MATEMATİK -2 (JEOLOJİ MÜH.AGRUBU), Undergraduate, 2014 - 2015

FONKSİYONEL ANALİZ1-2 (II.ÖĞRETİM), Undergraduate, 2014 - 2015

Matematik I-Jeoloji mühendisliği, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Matematik II -Jeoloji Mühendisliği, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Matematik I -Astronomi Bölümü, Undergraduate, 2011 - 2012

Supervised Theses

Olgun M., Sezgisel bulanık kümeler için benzerlik ölçüleri ve bazı örüntü tanıma uygulamaları, Postgraduate, N.WAJEEH(Student), 2022

OLGUN M., Related fixed point theorems on two metric spaces, Doctorate, Ö.BİÇER(Student), 2019

OLGUN M., İki metriğe sahip bir küme üzerinde sabit nokta teorisi, Doctorate, T.ALYILDIZ(Student), 2018

OLGUN M., Metrik uzayda integral tip büzülmeler için bazı sabit nokta teoremleri, Postgraduate, T.KAVUZLU(Student), 2014

OLGUN M., Operatör tipli genel büzülme koşulunu sağlayan zayıf uyumlu dönüşümler için sabit nokta teoremi, Postgraduate, Ö.BİÇER(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Parametric picture fuzzy cross-entropy measures based on d-Choquet integral for building material recognition**
BOZYIĞIT M. C., OLGUN M., ÜNVER M., Söylemez D.
Applied Soft Computing, vol.166, 2024 (SCI-Expanded)
- II. **An extended EDAS method with circular intuitionistic fuzzy value features and its application to multi-criteria decision-making process**
Garg H., ÜNVER M., OLGUN M., Türkarlan E.

- Artificial Intelligence Review, vol.56, pp.3173-3204, 2023 (SCI-Expanded)
- III. **Circular Pythagorean Fuzzy Sets and Applications to Multi-Criteria Decision Making**
BOZYIĞIT M. C., OLGUN M., ÜNVER M.
INFORMATICA, vol.34, no.4, pp.713-742, 2023 (SCI-Expanded)
- IV. **Continuous Function Valued q-Rung Orthopair Fuzzy Sets and an Extended TOPSIS**
ÜNVER M., OLGUN M.
International Journal of Fuzzy Systems, vol.25, no.6, pp.2203-2217, 2023 (SCI-Expanded)
- V. **Consistency fuzzy cross entropy based VIKOR approach for multi-criteria decision making**
Türkarşlan E., Ye J., ÜNVER M., OLGUN M.
Iranian Journal of Fuzzy Systems, vol.20, no.4, pp.39-56, 2023 (SCI-Expanded)
- VI. **Linguistic Single and Interval-valued Hybrid Intuitionistic Fuzzy Multi-sets and Applications to Multi-criteria Group Decision Making**
ÜNVER M., Türkarşlan E., Ye J., OLGUN M.
Journal of Multiple-Valued Logic and Soft Computing, vol.41, no.1-2, pp.1-20, 2023 (SCI-Expanded)
- VII. **An extended TOPSIS and entropy measure based on Sugeno integral in Pythagorean fuzzy set setting**
Garg H., ÜNVER M., Aydođan B., OLGUN M.
Journal of Intelligent and Fuzzy Systems, vol.45, no.2, pp.2537-2549, 2023 (SCI-Expanded)
- VIII. **Q-Rung Orthopair Picture Fuzzy Topological Spaces and Parameter-Dependent Continuity: Control System Applications**
ÜNVER M., OLGUN M.
Mathematical Problems in Engineering, vol.2023, 2023 (SCI-Expanded)
- IX. **Single and Interval-Valued Hybrid Enthalpy Fuzzy Sets and a TOPSIS Approach for Multicriteria Group Decision Making**
OLGUN M., Türkarşlan E., Ye J., ÜNVER M.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2022, 2022 (SCI-Expanded)
- X. **Intuitionistic fuzzy-valued neutrosophic multi-sets and numerical applications to classification**
ÜNVER M., Türkarşlan E., Celik N., OLGUN M., Ye J.
COMPLEX & INTELLIGENT SYSTEMS, vol.8, pp.1703-1721, 2022 (SCI-Expanded)
- XI. **Consistency Fuzzy Sets and a Cosine Similarity Measure in Fuzzy Multiset Setting and Application to Medical Diagnosis**
Türkarşlan E., Ye J., ÜNVER M., OLGUN M.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2021, 2021 (SCI-Expanded)
- XII. **Pythagorean fuzzy points and applications in pattern recognition and Pythagorean fuzzy topologies**
OLGUN M., ÜNVER M., YARDIMCI Ş.
SOFT COMPUTING, vol.25, no.7, pp.5225-5232, 2021 (SCI-Expanded)
- XIII. **A new result of prešić type theorems with applications to second order boundary value problems**
Altun I., Qasim M., OLGUN M.
Filomat, vol.35, no.7, pp.2257-2266, 2021 (SCI-Expanded)
- XIV. **A Cosine Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Applications to Pattern Recognition**
OLGUN M., Türkarşlan E., ÜNVER M., Ye J.
INFORMATICA, no.4, pp.849-864, 2021 (SCI-Expanded)
- XV. **MAIA TYPE FIXED POINT RESULTS FOR MULTIVALUED F-CONTRACTIONS**
OLGUN M., Alyildiz T., Bicer O., Altun I.
Miskolc Mathematical Notes, vol.22, no.2, pp.819-829, 2021 (SCI-Expanded)
- XVI. **An existence and uniqueness theorem for a fractional boundary value problem via new fixed point results on quasi metric spaces**
Altun I., OLGUN M.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.91, 2020 (SCI-Expanded)
- XVII. **Fixed point results for Perov type F-contractions and an application**
Altun I., OLGUN M.

- JOURNAL OF FIXED POINT THEORY AND APPLICATIONS, vol.22, no.2, 2020 (SCI-Expanded)
- XVIII. Pythagorean fuzzy topological spaces**
OLGUN M., ÜNVER M., YARDIMCI Ş.
COMPLEX & INTELLIGENT SYSTEMS, vol.5, no.2, pp.177-183, 2019 (SCI-Expanded)
- XIX. A Related Fixed Point Theorem for F-Contractions on Two Metric Spaces**
OLGUN M., Bicer O., Alyildiz T., ALTUN İ.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.1, pp.150-156, 2019 (SCI-Expanded)
- XX. Some new types multivalued F-contractions on quasi metric spaces and their fixed points**
HANÇER H. A., OLGUN M., ALTUN İ.
CARPATHIAN JOURNAL OF MATHEMATICS, vol.35, no.1, pp.41-50, 2019 (SCI-Expanded)
- XXI. A fuzzy measure theoretical approach for multi criteria decision making problems containing sub-criteria**
ÜNVER M., ÖZÇELİK G., OLGUN M.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.35, no.6, pp.6461-6468, 2018 (SCI-Expanded)
- XXII. Fixed Point Results for F-contractions on Space with Two Metrics**
OLGUN M., Alyildiz T., Bicer O., Altun I.
FILOMAT, vol.31, no.17, pp.5421-5426, 2017 (SCI-Expanded)
- XXIII. Fixed points of F-contractive type fuzzy mappings**
Minak G., ALTUN İ., OLGUN M.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.33, no.3, pp.1435-1439, 2017 (SCI-Expanded)
- XXIV. Numerical computation and properties of the two dimensional exponential integrals**
YARDIMCI Ş., OLGUN M., Can C.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.45, no.2, pp.483-495, 2016 (SCI-Expanded)
- XXV. A new approach to the Assad-Kirk fixed point theorem**
ALTUN İ., OLGUN M., Minak G.
JOURNAL OF FIXED POINT THEORY AND APPLICATIONS, vol.18, no.1, pp.201-212, 2016 (SCI-Expanded)
- XXVI. A new aspect to Picard operators with simulation functions**
OLGUN M., Bicer O., Alyildiz T.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.4, pp.832-837, 2016 (SCI-Expanded)
- XXVII. A NEW APPROACH TO MIZOGUCHI-TAKAHASHI TYPE FIXED POINT THEOREMS**
OLGUN M., Minak G., ALTUN İ.
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, vol.17, no.3, pp.579-587, 2016 (SCI-Expanded)
- XXVIII. Matrix Sturm-Liouville operators with boundary conditions dependent on the spectral parameter**
Katar D., OLGUN M., Coskun C.
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.2, pp.435-442, 2016 (SCI-Expanded)
- XXIX. Fixed points of multivalued nonlinear F-contractions on complete metric spaces**
ALTUN İ., Minak G., OLGUN M.
NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.21, no.2, pp.201-210, 2016 (SCI-Expanded)
- XXX. Non-selfadjoint matrix Sturm-Liouville operators with eigenvalue-dependent boundary conditions**
OLGUN M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.44, no.3, pp.607-614, 2015 (SCI-Expanded)
- XXXI. ON A NEW CLASS OF MULTIVALUED WEAKLY PICARD OPERATORS ON COMPLETE METRIC SPACES**
ALTUN İ., OLGUN M., Minak G.
TAIWANESE JOURNAL OF MATHEMATICS, vol.19, no.3, pp.659-672, 2015 (SCI-Expanded)
- XXXII. A new approach to fixed point theorems for multivalued contractive maps**
Minak G., OLGUN M., ALTUN İ.
CARPATHIAN JOURNAL OF MATHEMATICS, vol.31, no.2, pp.241-248, 2015 (SCI-Expanded)
- XXXIII. Investigation of the spectrum and the Jost solutions of discrete Dirac system on the whole axis**
AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2014, 2014 (SCI-Expanded)
- XXXIV. PRINCIPAL FUNCTIONS OF MATRIX STURM-LIOUVILLE OPERATORS WITH BOUNDARY CONDITIONS**

DEPENDENT ON THE SPECTRAL PARAMETER

Katar D., OLGUN M., Coskun C.

MISKOLC MATHEMATICAL NOTES, vol.15, no.2, pp.525-535, 2014 (SCI-Expanded)

- XXXV. **Principal Functions of Nonselfadjoint Discrete Dirac Equations with Spectral Parameter in Boundary Conditions**
AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M., KÖPRÜBAŞI T.
ABSTRACT AND APPLIED ANALYSIS, vol.2012, 2012 (SCI-Expanded)
- XXXVI. **Principal Functions of Non-Selfadjoint Difference Operator with Spectral Parameter in Boundary Conditions**
OLGUN M., Koprubasi T., AYGAR KÜÇÜKEVCİLİOĞLU Y.
ABSTRACT AND APPLIED ANALYSIS, vol.2011, 2011 (SCI-Expanded)
- XXXVII. **Principal functions of non-selfadjoint matrix Sturm-Liouville equations**
Coskun C., OLGUN M.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.235, no.16, pp.4834-4838, 2011 (SCI-Expanded)
- XXXVIII. **Jost Solution and the Spectrum of the Discrete Dirac Systems**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.
BOUNDARY VALUE PROBLEMS, vol.2010, 2010 (SCI-Expanded)
- XXXIX. **Non-selfadjoint matrix Sturm-Liouville operators with spectral singularities**
OLGUN M., Coskun C.
APPLIED MATHEMATICS AND COMPUTATION, vol.216, no.8, pp.2271-2275, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Decision-Making Approach Incorporating TODIM Method and Sine Entropy in q -Rung Picture Fuzzy Set Setting**
Aydogan B., OLGUN M., Smarandache F., ÜNVER M.
JOURNAL OF APPLIED MATHEMATICS, 2024 (ESCI)
- II. **An extension of CODAS method for multi-criteria group decision making with complex intuitionistic fuzzy information via Dombi sine weighted arithmetic aggregation operators**
Garg H., OLGUN M., ÜNVER M., Türkarslan E.
Granular Computing, vol.8, no.6, pp.1467-1480, 2023 (Scopus)
- III. **A New Type of Neutrosophic Set in Pythagorean Fuzzy Environment and Applications to Multi-criteria Decision Making**
BOZYIĞIT M. C., OLGUN M., Smarandache F., ÜNVER M.
International Journal of Neutrosophic Science, vol.20, no.2, pp.107-134, 2023 (Scopus)
- IV. **A Choquet Integral Based Cosine Similarity Measure for Interval-Valued Intuitionistic Fuzzy Sets and an Application to Pattern Recognition**
Harish G., OLGUN M., TÜRKARSLAN E., ÜNVER M.
LOBACHEVSKII JOURNAL OF MATHEMATICS, vol.43, pp.2444-2452, 2022 (ESCI)
- V. **Algebraic and Einstein weighted operators of neutrosophic enthalpy values for multi-criteria decision making in neutrosophic multi-valued set settings**
Ye J., Türkarslan E., ÜNVER M., OLGUN M.
GRANULAR COMPUTING, vol.7, no.3, pp.479-487, 2022 (ESCI)
- VI. **Cosine and Cotangent Similarity Measures Based on Choquet Integral for Spherical Fuzzy Sets and Applications to Pattern Recognition**
ÜNVER M., OLGUN M., TÜRKARSLAN E.
Journal of Computational and Cognitive Engineering, vol.1, no.1, 2022 (Peer-Reviewed Journal)
- VII. **q -Rung Orthopair Fuzzy Topological Spaces**
Türkarslan E., ÜNVER M., OLGUN M.
LOBACHEVSKII JOURNAL OF MATHEMATICS, vol.42, no.2, pp.470-478, 2021 (ESCI)

- VIII. **2-Additive Choquet Similarity Measures For Multi-Period Medical Diagnosis in Single-Valued Neutrosophic Set Setting**
 OLGUN M., Türkarşlan E., ÜNVER M., Ye J.
 Neutrosophic Sets and Systems, vol.45, pp.8-25, 2021 (Scopus)
- IX. **A PRE-SUBADDITIVE FUZZY MEASURE MODEL AND ITS THEORETICAL INTERPRETATION**
 ÜNVER M., ÖZÇELİK G., OLGUN M.
 TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.10, no.1, pp.270-278, 2020 (ESCI)
- X. **SOME RELATED FIXED POINT THEOREMS FOR MULTIVALUED MAPPINGS ON TWO METRIC SPACES**
 BICER O., OLGUN M., ALYILDIZ T., ALTUN I.
 CARPATHIAN MATHEMATICAL PUBLICATIONS, vol.12, no.2, pp.392-400, 2020 (ESCI)
- XI. **P-CONTRACTIVE MAPPINGS ON METRIC SPACES**
 ALTUN İ., DURMAZ G., OLGUN M.
 JOURNAL OF NONLINEAR FUNCTIONAL ANALYSIS, vol.2018, 2018 (ESCI)
- XII. **Classification of completeness of quasi metric space and some fixed point results**
 Altun I., Minak G., OLGUN M.
 Nonlinear Functional Analysis and Applications, vol.22, no.2, pp.371-384, 2017 (Scopus)
- XIII. **Principal functions of non selfadjoint matrix Sturm Liouville operators with boundary conditions dependent on the spectral parameter**
 Coskun C., Katar D., OLGUN M.
 Communications Faculty of Sciences University of Ankara Series A 1: Mathematics and Statistics, vol.63, pp.25-34, 2014 (Peer-Reviewed Journal)

Books

- I. **q-Rung Orthopair Fuzzy Points and Applications to q-Rung Orthopair Fuzzy Topological Spaces and Pattern Recognition**
 TÜR KARSLAN E., ÜNVER M., OLGUN M., YARDIMCI Ş.
 in: Advances in Topology and Their Interdisciplinary Applications, Santanu Acharjee, Editor, Springer Nature Singapore Pte Ltd., pp.245-259, 2023
- II. **A Vector Valued Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Application to Pattern Recognition**
 TÜR KARSLAN E., ÜNVER M., OLGUN M.
 in: Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation, , Editor, Springer, pp.84-92, 2022

Papers Published in Refereed Scientific Meetings

- I. **Circular Pythagorean Fuzzy Choquet Integral Operators and Applications to Multi-criteria Decision Making**
 BOZYİĞİT M. C., ÜNVER M., OLGUN M.
 International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Turkey, 16 - 18 July 2024, vol.1090 LNNS, pp.635-643
- II. **A Vector Valued Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Application to Pattern Recognition**
 Türkarşlan E., ÜNVER M., OLGUN M.
 International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.84-92
- III. **On Mizoguchi-Takahashi's Type Set Valued (alpha-theta) Contractions**
 DURMAZ G., ASLAN HANÇER H., OLGUN M., ALTUN İ.

INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 September 2018, pp.32-37

- IV. **THE EFFECT OF F-CONTRACTIVENESS ON MULTIVALUED MAPS FOR FIXED POINTS**
OLGUN M., ALTUN İ.
3rd INTERNATIONAL CONFERENCE ON SCIENCE, ECOLOGY AND TECHNOLOGY, Roma, 14 - 16 August 2017
- V. **On A New Class of Multivalued Weakly Picard Operators**
OLGUN M., ALTUN İ., MINAK G.
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017
- VI. **A Related Fixed Point Theorems With F-Contraction On Two Metric Spaces**
OLGUN M., BİÇER Ö., ALYILDIZ T., ALTUN İ.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
- VII. **A Fixed Point Result on Metric Spaces with Simulation Functions**
OLGUN M., ALYILDIZ T., BİÇER Ö.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
- VIII. **Fixed point results for admissible mappings on quasi metric spaces**
ALTUN İ., OLGUN M., ACAR Ö.
3rd International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- IX. **New Fixed Point Theorems For Multivalued Mappings On Quasi Metric Space**
ALTUN İ., OLGUN M., ACAR Ö.
3rd International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- X. **Multivalued Contractive Maps And Some Fixed Point Results**
OLGUN M., ALTUN İ., DURMAZ G.
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES,
Budapest, Hungary, 3 - 07 May 2017
- XI. **Multivalued Weakly Picard Operators On Complete Metric Spaces**
OLGUN M., ALTUN İ., DURMAZ G.
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES,
Budapest, Hungary, 3 - 07 May 2017
- XII. **Fixed Point Results for F-Contractions on Space with Two Metrics**
OLGUN M., ALYILDIZ T., BİÇER Ö., ALTUN İ.
INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, Ankara, Turkey, 27 - 29 April 2017
- XIII. **The Relations Between F-contractions and Weakly Picard Operators**
DURMAZ G., ALTUN İ., OLGUN M.
INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, Ankara, Turkey, 27 - 29 April 2017
- XIV. **New Fixed Point Results for P-Contractive Mappings on Metric Spaces**
ALTUN İ., DURMAZ G., OLGUN M., MINAK G.
INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, Ankara, Turkey, 27 - 29 April 2017
- XV. **New fixed point theorems for multivalued contractive maps**
OLGUN M.
1124th meeting of the American Mathematical Society-NC Raleigh, United States Of America, 12 - 13 November 2016
- XVI. **Some fixed point theorems for multivalued contractive maps in metric spaces**
OLGUN M.
31 st Summer Conference on Topology and Its Applications, 2 - 05 August 2016
- XVII. **A new aspect to Picard operators with simulation functions**
BİÇER Ö., OLGUN M., ALYILDIZ T.
International Conference on Applied Mathematics and Analysis (ICAMA2016), 11 - 13 July 2016
- XVIII. **Some relations between recent fixed point results on metric space**
DURMAZ G., OLGUN M.
VI Congress of Mathematicians of Macedonia, 15 - 18 June 2016
- XIX. **Eigenvalues And Spectral Singularities Of Non selfadjoint Matrix Sturm Liouville Operators With Eigenvalue dependent Boundary Conditions**

OLGUN M.

3rd International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), 19 - 23 May 2016

XX. Principal Vectors of Matrix-Valued Difference Operators

AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.

3rd International Conference on Applied Mathematics and Approximation Theory (AMAT), Ankara, Turkey, 28 - 31 May 2015, vol.155, pp.247-257

XXI. Summability of Spliced Sequences in Metric Spaces

ÜNVER M., YARDIMCI Ş., OLGUN M.

Fall Western Sectional Meeting, Fullerton, United States Of America, 23 - 24 October 2015

XXII. Investigation of the spectrum and the Jost solutions of discrete Dirac system on the whole axis

BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.

International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2013), 2 - 05 June 2013

XXIII. Spectral analysis of non selfadjoint matrix Sturm-Liouville equations

OLGUN M., AYGAR KÜÇÜKEVCİLİOĞLU Y.

IV. Congress of theThe 4th Congress of the Turkic World Mathematical Society (TWMS), 1 - 03 July 2011

XXIV. Jost solution and the spectrum of the discrete Dirac systems

AYGAR KÜÇÜKEVCİLİOĞLU Y., OLGUN M.

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

XXV. Self adjoint Olmayan Matris Katsayılı Sturm Liouville Operatörlerinin Spektral Analizi

OLGUN M., AYGAR KÜÇÜKEVCİLİOĞLU Y.

5. Ankara Matematik Gunleri, Turkey, 3 - 04 June 2010

Metrics

Publication: 82

Citation (WoS): 370

Citation (Scopus): 445

H-Index (WoS): 12

H-Index (Scopus): 13