

Prof. MEHMET ÜNVER

Personal Information

Office Phone: [+90 312 216 8952](tel:+903122168952)

Email: munver@ankara.edu.tr

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

International Researcher IDs

ScholarID: kP2b0ckAAAAJ

ORCID: 0000-0002-0857-1006

Publons / Web Of Science ResearcherID: ABI-7999-2020

ScopusID: 55646094400

Yoksis Researcher ID: 120918

Biography

BOOK CHAPTERS:

5. Bozyigit, M. C., Ünver, M., and Olgun, M., Circular Pythagorean fuzzy Choquet integral operators and applications to multi-criteria decision making, Intelligent and Fuzzy Systems, Lecture Notes in Networks and Systems, Springer, 635–643, 2024.
4. Türkarslan, 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.
3. Türkarslan, E., Ünver, M. and Olgun, M., 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, Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation, Springer, 84-92, 2022.
2. Türkarslan, E., Olgun, M., Ünver, M. and Yardımcı, Ş., Some trigonometric similarity measures based on Choquet integral for Pythagorean fuzzy sets and its applications to pattern recognition, Pythagorean Fuzzy Sets: Theory and Applications, Springer, 83-105, 2021.
1. Türkarslan, E., Olgun, M., Ünver, M. and Yardımcı, Ş., 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, 259-281, 2021.

ARTICLES:

61. Ünver, M., Gaussian aggregation operators and applications to intuitionistic fuzzy classification, J. Classif. <https://doi.org/10.1007/s00357-025-09507-4>
60. Ünver, M., and Aydoğan, B., Optimized climate change management: Integrating fuzzy CRITIC-TOPSIS approach with continuous function-valued fuzzy sets, (article in press) RAMD, <https://ramd.reapress.com/journal/article/view/34>
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56. Ünver, M., Olgun, M., and Garg, H., 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>

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24. Soylemez, D. and Ünver, M., Korovkin type approximation of Abel transforms of q-Meyer–König and Zeller operators, *Int. J. Nonlinear Anal. Appl.* 11 (2), 339-350, 2020.
23. Ünver, M., Özçelik, G. and Olgun, M., A pre-subadditive fuzzy measure model and its theoretical interpretation, *TWMS J. App. Eng. Math.* 10 (1), 270-278, 2020.
22. Giuliano Antonini, R., Ünver, M. and Volodin, A., On the concept of A-statistical uniform integrability and the law of

large numbers, Lobachevskii J. Math. 40 (12), 2034-2042, 2019.

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19. Ünver, M. and Orhan,, Statistical convergence with respect to power series methods and applications to approximation theory, Numer. Func. Anal. App. 40 (5), 535-547, 2019.

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12. Atlıhan, Ö., Ünver, M. and Duman, O., Korovkin theorems on weighted spaces: Revisited, Period. Math. Hung. 75 (2), 201-209, 2017.

11. Özçelik, G., Ünver, M. and Gencer, C., Evaluation of the global warming impacts using a hybrid method based on fuzzy techniques: A case study in Turkey, Gazi J. Sci. 29 (4), 883-894, 2016.

10. Yurdakadim, T. and Ünver, M., Some results concerning the summability of spliced sequences, Turkish J. Math., 40, 1134-1143, 2016.

9. Ünver, M., Abel summability in topological spaces, Monatsh. Math. 178 (4), 633-643, 2015.

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7. Ünver, M., Abel transforms of positive linear operators on weighted spaces, Bull. Belg. Math. Soc., 21 (5), 813-822, 2014.

6. Orhan, C. and Ünver, M., Matrix characterization of A-statistical convergence of double sequences, Acta Math. Hungar. 143 (1), 159-175, 2014.

5. Ünver, M., Khan, M. K. and Orhan, C., A -distributional summability in topological spaces, Positivity, 18 (1), 131-145, 2014.

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3. Ünver, M., Characterization of multidimensional A-strong convergence, Studia Sci. Math. Hungar., 50 (1), 17-25, 2013.

2. Ünver, M., Inclusion results for four dimensional Cesàro submethods, Stud. Univ. Babe,s-Bolyai Math. 58 (1), 43-54,

2013.

1. Sakaoğlu, İ. and Ünver, M., Statistical approximation for multivariable integrable functions, Miskolc Math. Notes 13 (2), 485–491, 2012.

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2009 - 2013

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Occupational Health and Safety, İş Sağlığı ve Güvenliği Eğitim Programı, Ankara Üniversitesi, 2022

Dissertations

Doctorate, Çift diziler için A-kuvvetli yakınsaklık karakterizasyonu, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2013

Postgraduate, Toplanabilirlik alanlarının çarpan uzayları, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2009

Research Areas

Fuzzy Sets and Systems, Multi Criteria Decision Making, Functional Analysis, Probability Theory, Stochastic Processes

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2024 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2017 - 2024

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2015 - 2017

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 2009 - 2015

Academic and Administrative Experience

Department Academic Incentive Evaluation Commission Member, Ankara University, Fen Fakültesi, Matematik Bölümü, 2022 - Continues

Courses

Postgraduate

FONKSİYONEL ANALİZ 1, Postgraduate, 2017 - 2018, 2016 - 2017

FONKSİYONEL ANALİZ 2, Postgraduate, 2016 - 2017

ANALYSIS 2, Postgraduate, 2016 - 2017

MATEMATİK 2, Postgraduate, 2016 - 2017

Undergraduate

Analysis III, Undergraduate, 2023 - 2024

Calculus II (Food Eng.+Geophysics Eng.), Undergraduate, 2022 - 2023

Calculus II (Food Eng+Geophysics Eng.), Undergraduate, 2021 - 2022

Calculus II, Undergraduate, 2022 - 2023

Analiz III, Undergraduate, 2022 - 2023

İleri Analiz I, Undergraduate, 2022 - 2023

Bitirme Projesi, Undergraduate, 2021 - 2022

Advanced Mathematical Analysis, Undergraduate, 2021 - 2022

Calculus II (Physics Eng.+Chemistry), Undergraduate, 2021 - 2022

Graduation Project, Undergraduate, 2021 - 2022

ANALYSIS 1, Undergraduate, 2017 - 2018, 2016 - 2017

CALCULUS 1, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

MATEMATİK 1, Undergraduate, 2017 - 2018, 2015 - 2016

Lineer Cebir, Undergraduate, 2016 - 2017

Matematik 2, Undergraduate, 2015 - 2016

Calculus 2, Undergraduate, 2015 - 2016

İleri Analiz 2, Undergraduate, 2015 - 2016

Supervised Theses

Ünver M., Genelleştirilmiş Choquet integral tabanlı bulanık bilgi ölçüleri ve bazı uygulamaları, Doctorate, M.CAN(Student), 2024

Ünver M., Ye J., TUTARLI BULANIK KÜMELER VE KARAR VERME UYGULAMALARI, Doctorate, E.TÜRKARSLAN(Student), 2023

Ünver M., Rasgele vektör dizilerinin zayıf a-düzgün integrallenebilirliği, Doctorate, H.ULUÇAY(Student), 2023

ÜNVER M., Ideal convergence in uniform spaces, Postgraduate, Y.ARAT(Student), 2020

ÜNVER M., Bulanık ölçünün belirlenmesinde karşılaşılan hesaplama çabasını azaltmaya duyarlı yaklaşımlar, Postgraduate, E.TÜRKARSLAN(Student), 2017

ÜNVER M., Rasgele değişken dizilerinin a-düzgün integrallenebilirliği, Postgraduate, H.ULUÇAY(Student), 2016

Jury Memberships

Post Graduate, Post Graduate, Kırıkkale Üniversitesi, December, 2022

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, July, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, April, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

1. Gaussian Aggregation Operators and Applications to Intuitionistic Fuzzy Classification

ÜNVER M.

Journal of Classification, 2025 (SCI-Expanded)

- II. **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)
- III. **Developing Industry 4.0-based e-waste management: a decision-aided tool equipped with continuous function-valued intuitionistic fuzzy sets**
AYDOĞAN B., ÖZÇELİK G., ÜNVER M.
International Journal of Environmental Science and Technology, 2024 (SCI-Expanded)
- IV. **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., Türkarslan E.
Artificial Intelligence Review, vol.56, pp.3173-3204, 2023 (SCI-Expanded)
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BOZYIĞIT M. C., OLGUN M., ÜNVER M.
INFORMATICA, vol.34, no.4, pp.713-742, 2023 (SCI-Expanded)
- VI. **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)
- VII. **Consistency fuzzy cross entropy based VIKOR approach for multi-criteria decision making**
Türkarslan E., Ye J., ÜNVER M., OLGUN M.
Iranian Journal of Fuzzy Systems, vol.20, no.4, pp.39-56, 2023 (SCI-Expanded)
- VIII. **Uniform integrability of sequences of random elements with respect to weak topologies and weak integrals**
Uluçay H., ÜNVER M.
Hacettepe Journal of Mathematics and Statistics, vol.52, no.1, pp.91-102, 2023 (SCI-Expanded)
- IX. **Q-Rung Orthopair Picture Fuzzy Topological Spaces and Parameter-Dependent Continuity: Control System Applications**
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- X. **Some results concerning ideal and classical uniform integrability and mean convergence**
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- XI. **Some Korovkin type approximation applications of power series methods**
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REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.117, no.1, 2023 (SCI-Expanded)
- XII. **Linguistic Single and Interval-valued Hybrid Intuitionistic Fuzzy Multi-sets and Applications to Multi-criteria Group Decision Making**
ÜNVER M., Türkarslan E., Ye J., OLGUN M.
Journal of Multiple-Valued Logic and Soft Computing, vol.41, no.1-2, pp.1-20, 2023 (SCI-Expanded)
- XIII. **An extended TOPSIS and entropy measure based on Sugeno integral in Pythagorean fuzzy set setting**
Garg H., ÜNVER M., Aydoğan B., OLGUN M.
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- XIV. **On statistical convergence with respect to power series methods**
Unver M., Bayram N. S.
POSITIVITY, vol.26, no.3, 2022 (SCI-Expanded)
- XV. **Intuitionistic fuzzy-valued neutrosophic multi-sets and numerical applications to classification**
ÜNVER M., Türkarslan E., Celik N., OLGUN M., Ye J.
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- XVI. **Single and Interval-Valued Hybrid Enthalpy Fuzzy Sets and a TOPSIS Approach for Multicriteria Group Decision Making**
 OLGUN M., Turkarslan E., Ye J., ÜNVER M.
 MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2022, 2022 (SCI-Expanded)
- XVII. **A NEW VERSION OF UNIFORM INTEGRABILITY VIA POWER SERIES SUMMABILITY METHODS***
 CABRERA M. O. R. D. O. N. E. Z., ROSALSKY A., UNVER M., VOLODIN A.
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- XVIII. **Consistency Fuzzy Sets and a Cosine Similarity Measure in Fuzzy Multiset Setting and Application to Medical Diagnosis**
 Turkarslan E., Ye J., ÜNVER M., OLGUN M.
 MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2021, 2021 (SCI-Expanded)
- XIX. **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)
- XX. **On the concept of B-statistical uniform integrability of weighted sums of random variables and the law of large numbers with mean convergence in the statistical sense**
 Cabrera M. O., Rosalsky A., ÜNVER M., Volodin A.
 TEST, vol.30, no.1, pp.83-102, 2021 (SCI-Expanded)
- XXI. **A Cosine Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Applications to Pattern Recognition**
 OLGUN M., Türkarslan E., ÜNVER M., Ye J.
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- XXII. **A new type of compact uniform integrability with application to degenerate mean convergence of weighted sums of Banach space valued random elements**
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- XXIV. **Pythagorean fuzzy topological spaces**
 OLGUN M., ÜNVER M., YARDIMCI Ş.
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- XXV. **Statistical Convergence with Respect to Power Series Methods and Applications to Approximation Theory**
 ÜNVER M., ORHAN C.
 NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.40, no.5, pp.535-547, 2019 (SCI-Expanded)
- XXVI. **Lacunary Distributional Convergence in Topological Spaces**
 Uluçay H., ÜNVER M.
 FILOMAT, vol.33, no.13, pp.4297-4306, 2019 (SCI-Expanded)
- XXVII. **Statistical convergence of sequences of sets in hyperspaces**
 SAĞIROĞLU PEKER S., ÜNVER M.
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- XXVIII. **A fuzzy measure theoretical approach for multi criteria decision making problems containing sub-criteria**
 ÜNVER M., ÖZÇELİK G., OLGUN M.
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- XXIX. **Korovkin theorems on weighted spaces: revisited**
 ATLIHAN Ö. G., ÜNVER M., DUMAN O.
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- XXX. **Compactly uniform Bochner integrability of random elements**
 ÜNVER M., Uluçay H.

- POSITIVITY, vol.21, no.4, pp.1261-1272, 2017 (SCI-Expanded)
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Soylemez D., ÜNVER M.
RESULTS IN MATHEMATICS, vol.72, no.3, pp.1601-1612, 2017 (SCI-Expanded)
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YURDAKADİM T., ÜNVER M.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.5, pp.1134-1143, 2016 (SCI-Expanded)
- XXXIII. **Abel summability in topological spaces**
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- XXXIV. **Abel transforms of convolution operators**
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GEORGIAN MATHEMATICAL JOURNAL, vol.22, no.3, pp.323-329, 2015 (SCI-Expanded)
- XXXV. **Abel transforms of positive linear operators on weighted spaces**
Unver M.
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- XXXVI. ***A*-distributional summability in topological spaces**
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- XXXVII. **Characterization of multidimensional A-strong convergence**
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- XXXVIII. **Inclusion results for four dimensional Cesaro submethods**
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- XXXIX. **Statistical approximation for multivariable integrable functions**
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- I. **Parametric circular intuitionistic fuzzy information measures and multi-criteria decision making with extended TOPSIS**
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- II. **Information Measures for Continuous Function-Valued q -Rung Orthopair Fuzzy Sets and an Extended TOPSIS**
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- III. **A Decision-Making Approach Incorporating TODIM Method and Sine Entropy in q -Rung Picture Fuzzy Set Setting**
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- V. **A New Type of Neutrosophic Set in Pythagorean Fuzzy Environment and Applications to Multi-criteria Decision Making**
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- VI. **A MULTI CRITERIA GROUP DECISION MAKING APPROACH BASED ON FUZZY MEASURE THEORY TO ASSESS THE DIFFERENT GENE REGIONS USED IN RODENT SPECIES**
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- VII. **A Choquet Integral Based Cosine Similarity Measure for Interval-Valued Intuitionistic Fuzzy Sets and an Application to Pattern Recognition**
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- VIII. **Algebraic and Einstein weighted operators of neutrosophic enthalpy values for multi-criteria decision making in neutrosophic multi-valued set settings**
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- X. **q-Rung Orthopair Fuzzy Topological Spaces**
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- XI. **Rates of Power Series Statistical Convergence of Positive Linear Operators and Power Series Statistical Convergence of q-Meyer-Konig and Zeller Operators**
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- XIV. **A PRE-SUBADDITIVE FUZZY MEASURE MODEL AND ITS THEORETICAL INTERPRETATION**
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- XVI. **On the Concept of A -Statistical Uniform Integrability and the Law of Large Numbers**
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- XVIII. **Evaluation of the Global Warming Impacts Using a Hybrid Method Based on Fuzzy Techniques: A Case Study in Turkey**
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- I. **q-Rung Orthopair Fuzzy Points and Applications to q-Rung Orthopair Fuzzy Topological Spaces and Pattern Recognition**
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- II. **A Vector Valued Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Application to Pattern Recognition**
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- I. **Circular Pythagorean Fuzzy Choquet Integral Operators and Applications to Multi-criteria Decision Making**
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- III. **An Identification of a Fuzzy Measure which is Subadditive over Singletons**
TÜRKARSLAN E., ÜNVER M.
The 5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017
- IV. **Distance of convergence in measure on L_0**
SAĞIROĞLU PEKER S., ÜNVER M.
The International Conference in Functional Analysis dedicated to the 125th anniversary of Stefan Banach, 18 - 23 September 2017
- V. **Summability of Banach Space Valued Random Walks and Uniform Integrability**
ÜNVER M.
3rd International Conference, Science, Ecology, Technology, 2017, Roma, Italy, 14 - 16 August 2017
- VI. **A theoretical approach to construct a subadditive fuzzy measure**
TÜRKARSLAN E., ÜNVER M.
3rd International Researchers, Statisticians and Young Statisticians Congress 2017, Konya, Turkey, 24 - 26 May 2017
- VII. **Some New Type of Summability Methods Defined Via Bochner Integral for Random Elements**

ULUÇAY H., ÜNVER M.

3rd International Researchers, Statisticians and Young Statisticians Congress 2017, Konya, Turkey, 24 - 26 May 2017

- VIII. **Statistical and Strong Convergences in Hausdorff Topological Spaces**
ÜNVER M., YARDIMCI Ş.
3rd International Researchers, Statisticians and Young Statisticians Congress 2017, Konya, Turkey, 24 - 26 May 2017
- IX. **Statistical and Strong Convergences with Respect to Power Series Methods**
ORHAN C., ÜNVER M.
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- X. **Can we measure the degree of Global Warming?**
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- XI. **Necessary And Sufficient Conditions For A Set Function To Be A Fuzzy Measure That Is Subadditive For Singletons**
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- XII. **A Theoretical Approach for Identification of a Fuzzy Measure that is Subadditive over Singletons**
ÜNVER M., TÜRKARSLAN E.
International Workshop, "Mathematical Methods in Engineering, MME-2017, Ankara, Turkey, 27 - 29 April 2017
- XIII. **Kompakt Düzgün İntegrallenebilir Rasgele Vektör Dizileri**
ÜNVER M.
Ankara Üniversitesi Matematik Bölümü Haftalık Seminerleri, Ankara, Turkey, 07 December 2016
- XIV. **A Generalization of A Strong Convergence in Hausdorff Spaces**
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Fall Southeastern Sectional Meeting, Raleigh, Raleigh, United States Of America, 12 - 13 November 2016
- XV. **Generalization of A Strong Convergence in Hausdorff Spaces**
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AMS Contributed Paper Session III, 12 - 13 November 2016
- XVI. **Some Summability Properties of Sequences of Random Elements in Banach Spaces**
ÜNVER M.
Fall Southeastern Sectional Meeting, Raleigh, United States Of America, 12 - 13 November 2016
- XVII. **A New Type of Compact Uniform Integrability in Banach Spaces**
ÜNVER M.
31st Summer Conference on Topology and its Applications, Leicester, United Kingdom, 2 - 05 August 2016
- XVIII. **Some Summability Results Concerning The Sequences of Random Elements in Banach Spaces**
Uluçay H., ÜNVER M.
International Conference on Applied Mathematics and Analysis, Ankara, Turkey, 11 - 13 July 2016
- XIX. **Identification of A Fuzzy Measure That Meets Redundancy Among Criteria in Multicriteria Decision Making Problems**
ÜNVER M., ÖZÇELİK G.
VI Congress of Mathematicians of Macedonia, Ohrid, Macedonia, 15 - 18 June 2016
- XX. **Rasgele Vektör Dizilerinin A kompakt Düzgün İntegrallenebilirliği**
Uluçay H., ÜNVER M.
11. Ankara Matematik Günleri, Ankara, Turkey, 26 - 27 May 2016
- XXI. **A Compactly Uniform Integrability of Sequences of Random Elements**
ÜNVER M.
International Conference on Recent Advances in Pure and Applied Mathematics, Bodrum, Turkey, 19 - 23 May 2016
- XXII. **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

XXIII. Abel Convergence of Convolution Operators

GİRGİN ATLIHAN Ö., ÜNVER M.

International Eurasian Conference on Mathematical Sciences and Applications, 31 August - 03 September 2015

XXIV. Matrix characterization of A statistical convergence of double sequences

ÜNVER M., ORHAN C.

International conference on recent advances in pure and applied mathematics, 3 - 06 June 2015

XXV. A Fuzzy Integral Approach for Determining the Degree of Effect of the Global Warming on the Cities of Turkey

ÜNVER M., ÖZÇELİK G., GENCER C.

International Conference on Industrial Engineering and Operations Management, Dubai, United Arab Emirates, 3 - 05 March 2015

XXVI. Topolojik Uzaylarda A Dağılımsal Yakınsaklık

ÜNVER M.

Ankara Üniversitesi Matematik Bölümü Haftalık Seminerleri, Ankara, Turkey, 18 December 2013

XXVII. Abel transforms of positive linear operators

ÜNVER M.

11th International Conference of Numerical Analysis and Applied Mathematics 2013, ICNAAM 2013, Rhodes, Greece, 21 - 27 September 2013, vol.1558, pp.1148-1151

XXVIII. A Distributional Convergence in Topological Spaces

ÜNVER M.

2nd International Eurasian Conference on Mathematical Sciences and Applications, Saraybosna, Bosnia And Herzegovina, 26 August 2013

XXIX. Inclusion Results for Four Dimensional Cesaro Submethodsss

ÜNVER M.

Mathematical Analysis, Differential Equations and Their Applications, 04 September 2012

XXX. Cesaro and Abel Convergences of Double Sequences

ORHAN C., ÜNVER M.

Conference on Summability and Applications, İstanbul, Turkey, 12 May 2011

Supported Projects

Olgun M., Yardımcı Ş., Ünver M., TÜBİTAK Project, Bulanık Kümeler İçin Bulanık İntegral Tabanlı Benzerlik Ölçüleri Ve Örüntü Tanıma Üzerine Uygulamaları, 2021 - 2022

ÜNVER M., TÜBİTAK Project, Vektör Değerli Ölçülebilir Fonksiyon Dizilerinin Toplanabilmesi, 2015 - 2016

ÜNVER M., OLGUN M., Project Supported by Higher Education Institutions, Bulanık Ölçünün Belirlenmesi İçin Hibrid Bir Metot, 2015 - 2016

Activities in Scientific Journals

LOBACHEVSKII JOURNAL OF MATHEMATICS, Committee Member, 2022 - Continues

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,

Assistant Editor/Section Editor, 2018 - Continues

Memberships / Tasks in Scientific Organizations

OpenStax, Member, 2020 - Continues, United States Of America

American Mathematical Society, Member, 2022 - 2022, United States Of America

Peer Reviews in Scientific Publications

SYMMETRY, SCI Journal, December 2023

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, December 2023

REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS, FÍSICAS Y NATURALES. SERIE A: MATEMÁTICAS, SCI Journal, December 2023

TURKISH JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, December 2022

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Scientific Project Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, October 2022

TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, February 2022

Metrics

Publication: 91

Citation (WoS): 453

Citation (Scopus): 600

H-Index (WoS): 13

H-Index (Scopus): 14

Congress and Symposium Activities

International Conference on Mathematics Statistics and Applied Science (ICMAS-22), Audience, Antwerp, Belgium, 2022

4th International Conference on Artificial Intelligence and Applied Mathematics in Engineering, Audience, Baku, Azerbaijan, 2022