

Assoc. Prof. HÜSEYİN KAMACI

Personal Information

Email: huseyin.kamaci@bozok.edu.tr

Web: <https://avesis.bozok.edu.tr/huseyin.kamaci>

International Researcher IDs

ORCID: 0000-0002-0429-6713

ScopusID: 57190883565

Yoksis Researcher ID: 107097

Education Information

Doctorate, Yozgat Bozok University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2016 - 2018

Postgraduate, Yozgat Bozok University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2013 - 2014

Undergraduate, Nigde Omer Halisdemir University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2007 - 2011

Dissertations

Doctorate, Esnek matrisler kullanılarak elde edilen bazı karar verme metotları ve uygulamaları, Yozgat Bozok University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2018

Postgraduate, Yakın-halkalarda P-regülerlik ve P-v-asallık, Yozgat Bozok University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2014

Research Areas

Mathematical Logic and Foundations

Courses

Matematik I, Undergraduate, 2019 - 2020

Soyut Cebir II, Undergraduate, 2019 - 2020, 2018 - 2019

Soyut Cebir I, Undergraduate, 2019 - 2020

Matematik II, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of Artificial Intelligence-Based Solid Waste Segregation Technologies through Multi-Criteria Decision-Making and complex q-rung picture fuzzy Frank aggregation operators**
Fathima Banu M., Petchimuthu S., KAMACI H., Senapati T.
Engineering Applications of Artificial Intelligence, vol.133, 2024 (SCI-Expanded)
- II. **Strait soft sets and strait rough sets with applications in decision making**
Atagün A. O., KAMACI H.

- Soft Computing, vol.27, no.20, pp.14585-14599, 2023 (SCI-Expanded)
- III. **Some New Algebraic Properties of Spherical Fuzzy Soft Sets**
P.A. F. P., John S. J., Kamaci H.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.40, no.5-6, pp.587-621, 2023 (SCI-Expanded)
 - IV. **Single-valued neutrosophic fairly aggregation operators with multi-criteria decision-making**
Riaz M., Farid H. M. A., Ashraf S., KAMACI H.
Computational and Applied Mathematics, vol.42, no.3, 2023 (SCI-Expanded)
 - V. **An MADM-based fuzzy parameterized framework for solar panels evaluation in a fuzzy hypersoft expert set environment**
Ihsan M., Saeed M., Rahman A. U., KAMACI H., Shah N. A., Weera W.
AIMS Mathematics, vol.8, no.2, pp.3403-3427, 2023 (SCI-Expanded)
 - VI. **Strait fuzzy sets, strait fuzzy rough sets and their similarity measures-based decision making systems**
Atagün A. O., KAMACI H.
International Journal of Systems Science, vol.54, no.12, pp.2519-2535, 2023 (SCI-Expanded)
 - VII. **A novel similarity measure of picture fuzzy sets and its applications**
Fathima Perveen P., John S. J., KAMACI H., Baiju T.
Journal of Intelligent and Fuzzy Systems, vol.44, no.3, pp.4653-4665, 2023 (SCI-Expanded)
 - VIII. **Correlation coefficient measures and aggregation operators on interval-valued linear Diophantine fuzzy sets and their applications**
Petchimuthu S., Riaz M., KAMACI H.
Computational and Applied Mathematics, vol.41, no.8, 2022 (SCI-Expanded)
 - IX. **Novel Distance-Measures-Based Extended TOPSIS Method under Linguistic Linear Diophantine Fuzzy Information**
Kamaci H., Marinkovic D., Petchimuthu S., Riaz M., Ashraf S.
Symmetry, vol.14, no.10, 2022 (SCI-Expanded)
 - X. **Adjustable approaches to multi-criteria group decision making based on inverse fuzzy soft matrices**
Petchimuthu S., KAMACI H.
SCIENTIA IRANICA, vol.29, no.4, pp.2166-2190, 2022 (SCI-Expanded)
 - XI. **Complex linear Diophantine fuzzy sets and their cosine similarity measures with applications**
KAMACI H.
COMPLEX & INTELLIGENT SYSTEMS, vol.8, pp.1281-1305, 2022 (SCI-Expanded)
 - XII. **Some similarity measures for interval-valued bipolar q-rung orthopair fuzzy sets and their application to supplier evaluation and selection in supply chain management**
KAMACI H., Petchimuthu S.
ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, 2022 (SCI-Expanded)
 - XIII. **Three-valued soft set and its multi-criteria group decision making via TOPSIS and ELECTRE**
Akçetin E., KAMACI H.
SCIENTIA IRANICA, vol.28, no.6, pp.3719-3742, 2021 (SCI-Expanded)
 - XIV. **Linear Diophantine fuzzy algebraic structures**
KAMACI H.
JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, vol.12, no.11, pp.10353-10373, 2021 (SCI-Expanded)
 - XV. **Linguistic single-valued neutrosophic soft sets with applications in game theory**
Kamaci H.
INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, vol.36, no.8, pp.3917-3960, 2021 (SCI-Expanded)
 - XVI. **Some new algebraic structures of soft sets**
AYGÜN E., KAMACI H.
SOFT COMPUTING, vol.25, no.13, pp.8609-8626, 2021 (SCI-Expanded)
 - XVII. **Bipolar trapezoidal neutrosophic sets and their Dombi operators with applications in multicriteria decision making**

- Kamacı H., Garg H., Petchimuthu S.
SOFT COMPUTING, vol.25, pp.8417-8440, 2021 (SCI-Expanded)
- XVIII. **Dynamic aggregation operators and Einstein operations based on interval-valued picture hesitant fuzzy information and their applications in multi-period decision making**
Kamacı H., Petchimuthu S., Akçetin E.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.40, no.4, 2021 (SCI-Expanded)
- XIX. **Bipolar N-soft set theory with applications**
KAMACI H., Petchimuthu S.
SOFT COMPUTING, vol.24, no.22, pp.16727-16743, 2020 (SCI-Expanded)
- XX. **The mean operators and generalized products of fuzzy soft matrices and their applications in MCGDM**
Petchimuthu S., Garg H., KAMACI H., Atagun A. O.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.39, no.2, 2020 (SCI-Expanded)
- XXI. **Selectivity analysis of parameters in soft set and its effect on decision making**
KAMACI H.
INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS, vol.11, no.2, pp.313-324, 2020 (SCI-Expanded)
- XXII. **Introduction to N-soft algebraic structures**
KAMACI H.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.6, pp.2356-2379, 2020 (SCI-Expanded)
- XXIII. **Some generalized operations in soft set theory and their role in similarity and decision making**
AYGÜN E., KAMACI H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.36, no.6, pp.6537-6547, 2019 (SCI-Expanded)
- XXIV. **The row-products of inverse soft matrices in multicriteria decision making**
Petchimuthu S., Kamacı H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.36, no.6, pp.6425-6441, 2019 (SCI-Expanded)
- XXV. **Similarity measure for soft matrices and its applications**
KAMACI H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.36, no.4, pp.3061-3072, 2019 (SCI-Expanded)
- XXVI. **Reduced soft matrices and generalized products with applications in decision making**
Atagun A. O., KAMACI H., Oktay O.
NEURAL COMPUTING & APPLICATIONS, vol.29, no.9, pp.445-456, 2018 (SCI-Expanded)
- XXVII. **Row-products of soft matrices with applications in multiple-disjoint decision making**
KAMACI H., Atagun A. O., SÖNMEZOĞLU A.
APPLIED SOFT COMPUTING, vol.62, pp.892-914, 2018 (SCI-Expanded)
- XXVIII. **Cardinality inverse soft matrix theory and its applications in multicriteria group decision making**
KAMACI H., Saltık K., AKIZ H. F., Atagun A. O.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.34, no.3, pp.2031-2049, 2018 (SCI-Expanded)
- XXIX. **Bijjective Soft Matrix Theory and Multi-Bijjective Linguistic Soft Decision System**
KAMACI H., Atagun A. O., Toktas E.
FILOMAT, vol.32, no.11, pp.3799-3814, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Exponential Function-Based Similarity Measures for q-Rung Linear Diophantine Fuzzy Sets and Their Application to Clustering Problem**
Petchimuthu S., Kamacı H.
GAZI UNIVERSITY JOURNAL OF SCIENCE, no.in press, pp.1-11, 2023 (ESCI)
- II. **Hypersoft game theory models and their applications in multi-criteria decision making**
Debnath S., Kamacı H.

- III. **Set-generated soft subrings of rings**
Atagün A. O., Kamacı H.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.71, no.4, pp.993-1006, 2022 (ESCI)
- IV. **Two Different Types of Soft Near-Fields**
Aygün E., Kamacı H.
Punjab Univeristy Journal of Mathematics, vol.54, no.7, pp.429-440, 2022 (ESCI)
- V. **Games Based on Simplified Neutrosophic Multiplicative Soft Sets and Their Applications**
Kamacı H.
NEUTROSOPHIC SETS AND SYSTEMS, vol.47, pp.491-510, 2021 (Scopus)
- VI. **n-ary Fuzzy Hypersoft Expert Sets**
Kamacı H., Saqlain M.
Neutrosophic Sets and Systems, vol.43, pp.180-211, 2021 (Scopus)
- VII. **On Hybrid Structures of Hypersoft Sets and Rough Sets**
KAMACI H.
International Journal of Modern Science and Technology, vol.6, no.4, pp.69-82, 2021 (Peer-Reviewed Journal)
- VIII. **Simplified Neutrosophic Multiplicative Refined Sets and Their Correlation Coefficients with Application in Medical Pattern Recognition**
Kamacı H.
NEUTROSOPHIC SETS AND SYSTEMS, vol.41, pp.270-285, 2021 (Scopus)
- IX. **Rough Approximations of Complex Quadripartitioned Single Valued Neutrosophic Sets**
KAMACI H.
JOURNAL OF NEW THEORY, vol.2021, no.34, pp.45-63, 2021 (Peer-Reviewed Journal)
- X. **Neutrosophic Cubic Hamacher Aggregation Operators and Their Applications in Decision Making**
KAMACI H.
NEUTROSOPHIC SETS AND SYSTEMS, vol.33, pp.234-255, 2020 (ESCI)
- XI. **A novel approach to similarity of soft sets**
KAMACI H.
Adiyaman University Journal of Science, vol.9, no.1, pp.23-35, 2019 (Peer-Reviewed Journal)
- XII. **Interval-valued fuzzy parameterized intuitionistic fuzzy soft sets and their applications**
KAMACI H.
Cumhuriyet Science Journal, vol.40, no.2, pp.317-331, 2019 (Peer-Reviewed Journal)
- XIII. **P-properties in Near-rings**
Atagun A. O., KAMACI H., Tastekin I., SEZGİN SEZER A.
JOURNAL OF MATHEMATICAL AND FUNDAMENTAL SCIENCES, vol.51, no.2, pp.152-167, 2019 (ESCI)
- XIV. **Difference Operations of Soft Matrices with Applications in Decision Making**
KAMACI H., Atagun A. O., AYGÜN E.
PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, vol.51, no.3, pp.1-21, 2019 (ESCI)
- XV. **NEAR-RINGS WITH P-CENTRAL P-NILPOTENT OR P-IDEMPOTENT ELEMENTS**
KAMACI H., Atagun A. O.
JP JOURNAL OF ALGEBRA NUMBER THEORY AND APPLICATIONS, vol.40, no.5, pp.903-912, 2018 (ESCI)

Books & Book Chapters

- I. **Soergel Distance Measures for q-Rung Orthopair Fuzzy Sets and Their Applications**
Kamacı H., Petchimuthu S.
in: q-Rung Orthopair Fuzzy Sets: Theory and Applications, Harish Garg, Editor, Springer Nature, Singapore, pp.67-108, 2022

- II. **Tanimoto Similarity Coefficients Measuring Bipolar q-Rung Picture Fuzzy Information and Their Applications**
Kamacı H., Petchimuthu S.
in: Handbook of Research on Advances and Applications of Fuzzy Sets and Logic, Said Broumi, Editor, IGI Global Publisher, Pennsylvania, pp.258-287, 2022
- III. **Neutrosophic Parameterized Fuzzy Soft Set Theory**
Kamacı H.
in: Academic Studies in Science and Mathematics, Adeyinka Temitope Aina, Aykut Demirçali, Editor, Gece Publishing, Ankara, pp.43-56, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **SOME AGGREGATION OPERATORS BASED ON T-NORM AND T-CONORM FOR NEUTROSOPHIC SOFT SETS**
Kamacı H.
2. International Congress on Mathematics and Geometry, Ankara, Turkey, 20 May 2021, pp.218-219
- II. **A NEW APPROACH TO NEUTROSOPHIC SOFT GAMES**
Kamacı H.
2. International Sciences and Innovation Congress, Ankara, Turkey, 22 - 23 May 2021, pp.95-96
- III. **Sezgisel Bulanık Esnek Kümeler Üzerine**
KAMACI H.
14. Ankara Matematik Günleri (AMG 2019), Ankara, Turkey, 28 - 29 June 2019, pp.64
- IV. **A STUDY ON EFFICIENCY OF MATRICES REPRESENTING SOFT SETS IN DECISION MAKING**
KAMACI H., PETCHIMUTHU S.
6th International IFS and Contemporary Mathematics Conference (IFSCOM 2019), Mersin, Turkey, 7 - 10 June 2019, pp.24
- V. **INTUITIONISTIC NEUTROSOPHIC SUBGROUPS**
KAMACI H.
6th International IFS and Contemporary Mathematics Conference (IFSCOM 2019), Mersin, Turkey, 7 - 10 June 2019, pp.177-184
- VI. **SIMILARITY MEASURE BETWEEN TWO SOFT SETS**
KAMACI H.
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 05 July 2018, pp.151
- VII. **A NOVEL APPROACH TO FUZZY SOFT DECISION MAKING**
KAMACI H.
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.150
- VIII. **A New Decision Making Model Based on Soft Set Theory**
KAMACI H.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.233-234
- IX. **Symmetric Difference Operation in Soft Matrix Theory**
KAMACI H.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.380-381
- X. **Boole esnek kesişimsel halkalar**
TAŞDEMİR F., KAMACI H.
30. Ulusal Matematik Sempozyumu (UMS 2017), Ankara, Turkey, 6 - 09 September 2017, pp.68
- XI. **P-Regüler Yakın-Halkalar Üzerine**
KAMACI H.
12. Ankara Matematik Günleri (AMG 2017), Ankara, Turkey, 25 - 26 May 2017, pp.40

- XII. **A DECISION MAKING METHOD OBTAINED BY REDUCING SOFT MATRICES**
ATAGÜN A. O., KAMACI H.
23rd International Academic Conference, Venice, Italy, 27 - 30 April 2016, pp.15
- XIII. **BIJECTIVE SOFT MATRIX THEORY AND ITS APPLICATIONS**
KAMACI H., ATAGÜN A. O.
23rd International Academic Conference, Venice, Italy, 27 - 30 April 2016, pp.48
- XIV. **Operations of Soft Matrices and a New Decision Making Method**
KAMACI H., ATAGÜN A. O.
International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016, pp.1172-1178
- XV. **SOME GENERALIZATIONS OF SOFT MATRIX PRODUCTS**
KAMACI H., ATAGÜN A. O., AKIZ H. F.
International Conference on Mathematics and Mechanics (ICMM 2015), Paris, France, 27 - 28 April 2015, pp.12

Supported Projects

Kamacı H., Project Supported by Higher Education Institutions, Nötrosofik Esnek Kümelerin Yeni Tipleri ve Oyun Teorisinde Uygulamaları, 2020 - 2021

Activities in Scientific Journals

Journal of AppliedMath (JAM), Committee Member, 2023 - Continues
Decision Making and Analysis, Committee Member, 2022 - Continues
FRONTIERS IN ARTIFICIAL INTELLIGENCE, Committee Member, 2022 - Continues
Modern Intelligent Times, Committee Member, 2022 - Continues
Digital Technologies Research and Applications, Committee Member, 2022 - Continues
Journal of Fuzzy Logic and Modeling in Engineering, Editor, 2022 - Continues

Scientific Refereeing

SYMMETRY, SCI Journal, September 2022
COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, September 2022
JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, SCI Journal, September 2022
GAMES, Journal Indexed in ESCI, September 2022
ELECTRONICS (Basel), SCI Journal, September 2022
Neutrosophic Sets and Systems, Other Indexed Journal, September 2022
Adıyaman Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2022
AIMS MATHEMATICS, SCI Journal, September 2022
INTERNATIONAL JOURNAL OF NEUTROSOPHIC SCIENCE, Other Indexed Journal, September 2022
Financial Innovation, SCI Journal, September 2022
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, National Scientific Refreed Journal, September 2022
HELIYON, SCI Journal, September 2022
SOFT COMPUTING, SCI Journal, September 2022
JOURNAL OF FUNCTION SPACES, SCI Journal, September 2022
JOURNAL OF MARINE SCIENCE AND ENGINEERING, SCI Journal, September 2022
Axioms, SCI Journal, September 2022
CMES - COMPUTER MODELING IN ENGINEERING AND SCIENCES, SCI Journal, September 2022

Journal of Computational and Cognitive Engineering, Other Indexed Journal, September 2022
 COMPLEX & INTELLIGENT SYSTEMS, SCI Journal, September 2022
 Processes, SCI Journal, September 2022
 CARPATHIAN MATHEMATICAL PUBLICATIONS, Journal Indexed in ESCI, September 2022
 Annals of Optimization Theory and Practice, Other Indexed Journal, December 2021
 COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, December 2021
 Palestine Journal of Mathematics, Other Indexed Journal, December 2021
 MATHEMATICS, SCI Journal, December 2021
 INTERNATIONAL JOURNAL OF MATHEMATICAL ENGINEERING AND MANAGEMENT SCIENCES , Journal Indexed in ESCI, December 2021
 SYMMETRY, SCI Journal, December 2021
 Journal of New Theory, Other Indexed Journal, December 2021
 ELECTRONICS (Basel), SCI Journal, December 2021
 ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS , Journal Indexed in ESCI, December 2021
 CUMHURIYET SCIENCE JOURNAL, National Scientific Refreed Journal, December 2021
 NEUTROSOPHIC SETS AND SYSTEMS, Journal Indexed in ESCI, December 2021
 Punjab University Journal of Mathematics, Journal Indexed in ESCI, December 2021
 Recent Advances in Electrical & Electronic Engineering, Journal Indexed in ESCI, December 2021
 Gazi University Journal of Science , Journal Indexed in ESCI, December 2021
 Q-Rung Orthopair Fuzzy Set: Theory And Applications , Chapter Scientific / Professional Book Published by Renowned Publishing Houses, December 2021
 CMES - COMPUTER MODELING IN ENGINEERING AND SCIENCES, Journal Indexed in SCI-E, December 2021
 JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, Journal Indexed in SCI-E, December 2021
 Journal of Computational and Cognitive Engineering, Other Indexed Journal, December 2021
 PROCEEDINGS OF THE PAKISTAN ACADEMY OF SCIENCES, Other Indexed Journal, December 2021
 Gazi University Journal of Science , Journal Indexed in ESCI, December 2020
 Decision Making with Neutrosophic Set: Theory and Applications , Chapter Scientific / Professional Book Published by Renowned Publishing Houses, December 2020
 Journal of New Theory, Other Indexed Journal, December 2020
 INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY, Journal Indexed in SCI-E, December 2020
 NEUTROSOPHIC SETS AND SYSTEMS, Journal Indexed in ESCI, December 2020
 Pythagorean Fuzzy Sets: Theory and Applications , Chapter Scientific / Professional Book Published by Renowned Publishing Houses, December 2020
 COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, December 2020
 COMPLEX & INTELLIGENT SYSTEMS, Journal Indexed in SCI-E, December 2020
 CAAI TRANSACTIONS ON INTELLIGENCE TECHNOLOGY , Journal Indexed in ESCI, December 2020
 JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, Journal Indexed in SCI-E, December 2019
 African Journal of Mathematics and Computer Science Research , Other Indexed Journal, December 2019
 CUMHURIYET SCIENCE JOURNAL, National Scientific Refreed Journal, December 2019
 COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, December 2018
 JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, Journal Indexed in SCI-E, December 2018

Metrics

Publication: 63
 Citation (WoS): 245
 Citation (Scopus): 237
 H-Index (WoS): 11
 H-Index (Scopus): 10

Awards

Kamacı H., Dünyanın En Etkili Bilim İnsanları-2023 (World's Top 2% Scientists List-2023)--"Updated science-wide author databases of standardized citation indicators", Stanford University, October 2023

Kamacı H., Dünyanın En Etkili Bilim İnsanları-2022 (World's Top 2% Scientists List-2022)--"Updated science-wide author databases of standardized citation indicators", Stanford University , October 2022

Kamacı H., Yayın Teşvik Ödülü, Yozgat Bozok Üniversitesi, February 2022

Kamacı H., Uluslararası Bilimsel Yayınları Teşvik Ödülü, Tübitak, December 2021

Kamacı H., Yayın Teşvik Ödülü, Yozgat Bozok Üniveristesi, February 2021

Kamacı H., Uluslararası Bilimsel Yayınları Teşvik Ödülü, Tübitak, December 2020

Kamacı H., Yayın Teşvik Ödülü, Yozgat Bozok Üniversitesi, February 2020

Kamacı H., Yayın Teşvik Ödülü, Yozgat Bozok Üniversitesi, February 2019

Kamacı H., Uluslararası Bilimsel Yayınları Teşvik Ödülü, Tübitak, December 2018