

# VATAN KARAKAYA

## PROF. DR.

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### Öğrenim Bilgisi

Doktora 1996 - 2002	Van Yüzüncü Yıl Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye
Yüksek Lisans 1994 - 1996	Van Yüzüncü Yıl Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye
Lisans 1990 - 1994	Fırat Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Bazı Yeni Dizi Uzayları ve Matris Dönüşümleri, Van Yüzüncü Yıl Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2002

Yüksek Lisans, Değiştirilmiş Ortalamalar, Van Yüzüncü Yıl Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1996

### Akademik Unvanlar / Görevler

Prof. Dr. 2012 - Devam Ediyor	Yıldız Teknik Üniversitesi, Kimya-Metalürji Fakültesi, Matematik Müh.Bölümü
Doç. Dr. 2010 - 2011	Indiana University Bloomington, THE COLLEGE OF ARTS & SCIENCES, Department of Mathematics

Doç. Dr.  
2009 - 2011

Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü

Doç. Dr.  
2006 - 2009

Adıyaman Üniversitesi, Eğitim Fakültesi

Yrd. Doç. Dr.  
2005 - 2006

Adıyaman Üniversitesi, Eğitim Fakültesi

Yrd. Doç. Dr.  
2003 - 2005

Gaziantep Üniversitesi, Adıyaman Eğitim Fakültesi

Araştırma Görevlisi Dr.  
2002 - 2003

Van Yüzüncü Yıl Üniversitesi, Fen Fakültesi, Matematik Bölümü

Araştırma Görevlisi  
1994 - 2002

Van Yüzüncü Yıl Üniversitesi, Fen Fakültesi, Matematik Bölümü

## Desteklenen Projeler

1. Sekman D., Karakaya V., Yükseköğretim Kurumları Destekli Proje, Kontrol Sistemi Olarak Sabit Nokta İterasyonları ve Kaotik Diskrit Dinamik Sistemler, 2018 - 2023
2. Karakaya V., Sekman D., Şimşek N., Yükseköğretim Kurumları Destekli Proje, Kompakt Olmama Ölçüsüne Göre Darbo Tipi Dönüşümlerin Bazı Genellemeleri ve F- Contraction Altında Sabit Noktanın Varlığının Araştırılması, 2017 - 2019
3. KARAKAYA V., Yükseköğretim Kurumları Destekli Proje, Sabit Nokta Yaklaşımlarıyla Bazı Diferansiyel ve Integral Denklemlerin Çözümleri, 2016 - 2017
4. KARAKAYA V., Yükseköğretim Kurumları Destekli Proje, Bazı Geometrik özellikler ve sabit nokta iterasyonları, 2014 - 2016
5. KARAKAYA V., Yükseköğretim Kurumları Destekli Proje, Sabit Nokta Teorisi ve sezgisel Fuzzy normlu uzaylarda bazı uygulamaları, 2012 - 2014
6. KARAKAYA V., Yükseköğretim Kurumları Destekli Proje, Bazı Yeni Sabit Nokta İterasyon yöntemlerinin Yakınsaklıklarının ve Kararlılıklarının İncelenmesi, 2012 - 2014
7. Karakaya V., Ertürk M., TÜBİTAK Projesi, Sezgisel Fuzzy (Intuitionistic Fuzzy) Normlu Uzaylarda Bazı Yeni Kavramlar ve Uygulamaları, 2011 - 2013
8. Karakaya V., Mursaleen M., TÜBİTAK Projesi, Sezgisel Fuzzy Uzaylarda Bazı Topolojik Kavramlar, 2010 - 2010
9. Karakaya V., Yükseköğretim Kurumları Destekli Proje, Üst Üçgensel Çift Bant Matrislerinin Fine Spektrumu, 2009 - 2009
10. Karakaya V., TÜBİTAK Projesi, Dinamik Sistemler ve Kaos, 2008 - 2008

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **On control intervals of chaos with Fréchet derivative of certain iterations as discrete dynamical system in Banach spaces**

- Sekman D., Karakaya V.  
Mathematical Methods in the Applied Sciences, cilt.47, sa.11, ss.8289-8318, 2024 (SCI-Expanded)
2. **On Chaos Controlling Mechanism for Ishikawa Iteration and Its Traffic Flow Model in Discrete Dynamical Systems**  
Sekman D., KARAKAYA V.  
Journal of Dynamical and Control Systems, cilt.29, sa.4, ss.1547-1570, 2023 (SCI-Expanded)
  3. **Variational Inequality Problem Involving Multivalued Nonexpansive Mapping in CAT(0) Spaces**  
GÜR SOY F., Hacıoğlu E., KARAKAYA V., Milovanovic G., Uddin I.  
RESULTS IN MATHEMATICS, cilt.77, sa.3, 2022 (SCI-Expanded)
  4. **Controlling Chaos for Multistep Iteration Process and Its Special Iterations in Discrete Dynamical Systems**  
Sekman D., Karakaya V.  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, cilt.32, sa.02, 2022 (SCI-Expanded)
  5. **Fixed Point Theorems for Operators with Certain Condition in p-Uniformly Convex Metric Spaces**  
Knefati M., KARAKAYA V.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, cilt.43, sa.16, ss.1884-1900, 2022 (SCI-Expanded)
  6. **PICARD TYPE ITERATIVE METHOD WITH APPLICATIONS TO MINIMIZATION PROBLEMS AND SPLIT FEASIBILITY PROBLEMS**  
Erturk M., GÜR SOY F., Ansari Q. H., KARAKAYA V.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.21, sa.4, ss.943-951, 2020 (SCI-Expanded)
  7. **Coincidences of Nonself Operators by a Simpler Algorithm**  
Gursoy F., Khan A. R., Erturk M., KARAKAYA V.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, cilt.41, sa.2, ss.192-208, 2020 (SCI-Expanded)
  8. **An iterative method and its application to stable inversion**  
Gursoy F., Eksteen J. J. A., Khan A. R., Karakaya V.  
SOFT COMPUTING, cilt.23, ss.7393-7406, 2019 (SCI-Expanded)
  9. **ON BEHAVIOUR OF DARBO FIXED POINT THEOREM UNDER FUNCTION SEQUENCES**  
Karakaya V., Sekman D., Simsek N.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.20, sa.11, ss.2313-2319, 2019 (SCI-Expanded)
  10. **Weak  $w_2$ -stability and data dependence of Mann iteration method in Hilbert spaces**  
Gursoy F., Khan A. R., Erturk M., KARAKAYA V.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, cilt.113, sa.1, ss.11-20, 2019 (SCI-Expanded)
  11. **Approaches of linear operators in the intuitionistic fuzzy 2-Banach spaces**  
KARAKAYA V., Erturk M.  
LOGIC JOURNAL OF THE IGPL, cilt.26, sa.5, ss.453-463, 2018 (SCI-Expanded)
  12. **The local and semilocal convergence analysis of new Newton-like iteration methods**  
KARAKAYA V., Dogan K., Atalan Y., BOUZARA N. E. H.  
TURKISH JOURNAL OF MATHEMATICS, cilt.42, sa.3, ss.735-751, 2018 (SCI-Expanded)
  13. **Convergence and Data Dependency of Normal-S Iterative Method for Discontinuous Operators on Banach Space**  
Gursoy F., KHAN A. R., Erturk M., KARAKAYA V.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, cilt.39, sa.3, ss.322-345, 2018 (SCI-Expanded)
  14. **MODIFIED PICARD TYPE ITERATIVE ALGORITHM FOR NONEXPANSIVE MAPPINGS**  
Erturk M., Gursoy F., Ansari Q. H., KARAKAYA V.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.19, sa.6, ss.919-933, 2018 (SCI-Expanded)
  15. **n-Tuplet Coincidence Point Theorems in Partially Ordered Probabilistic Metric Spaces**  
Karaaslan A. A., KARAKAYA V.  
JOURNAL OF FUNCTION SPACES, cilt.2018, 2018 (SCI-Expanded)
  16. **Operator ideal of s-type operators using weighted mean sequence space**  
ERDOĞAN E., KARAKAYA V.

- CARPATHIAN JOURNAL OF MATHEMATICS, cilt.33, sa.3, ss.311-318, 2017 (SCI-Expanded)
17. **SOME FIXED POINT RESULTS FOR A NEW THREE STEPS ITERATION PROCESS IN BANACH SPACES**  
KARAKAYA V., Atalan Y., Dogan K., Bouzara N. E. H.  
FIXED POINT THEORY, cilt.18, sa.2, ss.625-640, 2017 (SCI-Expanded)
  18. **ITERATIVE SOLUTION OF FUNCTIONAL VOLTERRA-FREDHOLM INTEGRAL EQUATION WITH DEVIATING ARGUMENT**  
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JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.18, sa.4, ss.675-684, 2017 (SCI-Expanded)
  19. **ON FINE SPECTRA AND SUBSPECTRUM (APPROXIMATE POINT, DEFECT AND COMPRESSION) OF OPERATOR WITH PERIODIC COEFFICIENTS**  
KARAKAYA V., Manafov M. D., Simsek N.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.18, sa.4, ss.709-717, 2017 (SCI-Expanded)
  20. **Existence and convergence for a new multivalued hybrid mapping in CAT( $\kappa$ ) spaces**  
Hacioglu E., KARAKAYA V.  
CARPATHIAN JOURNAL OF MATHEMATICS, cilt.33, sa.3, ss.319-326, 2017 (SCI-Expanded)
  21. **CONVERGENCE AND DATA DEPENDENCE RESULTS FOR HEMICONTRACTIVE OPERATORS**  
Erturk M., KHAN A. R., KARAKAYA V., Gursoy F.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.18, sa.4, ss.697-708, 2017 (SCI-Expanded)
  22. **Jungck-Khan iterative scheme and higher convergence rate**  
KHAN A. R., Gursoy F., KARAKAYA V.  
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.93, sa.12, ss.2092-2105, 2016 (SCI-Expanded)
  23. **Notes on the spectral properties of the weighted mean difference operator  $G(u, v; \delta)$  over the sequence space  $\ell_1$**   
KARAKAYA V., ERDOĞAN E.  
Acta Mathematica Scientia, cilt.36, sa.2, ss.477-486, 2016 (SCI-Expanded)
  24. **NOTES ON THE SPECTRAL PROPERTIES OF THE WEIGHTED MEAN DIFFERENCE OPERATOR  $G(u, v; \Delta)$  OVER THE SEQUENCE SPACE  $l(1)$**   
KARAKAYA V., ERDOĞAN E.  
ACTA MATHEMATICA SCIENTIA, cilt.36, sa.2, ss.477-486, 2016 (SCI-Expanded)
  25. **New Matrix Domain Derived by the Matrix Product**  
KARAKAYA V., Simsek N., Dogan K.  
FILOMAT, cilt.30, sa.5, ss.1233-1241, 2016 (SCI-Expanded)
  26. **Some convergence and data dependence results for various fixed point iterative methods**  
KARAKAYA V., Gursoy F., Erturk M.  
KUWAIT JOURNAL OF SCIENCE, cilt.43, sa.1, ss.112-128, 2016 (SCI-Expanded)
  27. **OPERATORS IDEALS OF GENERALIZED MODULAR SPACES OF CESARO TYPE DEFINED BY WEIGHTED MEANS**  
Simsek N., KARAKAYA V., Polat H.  
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, cilt.19, sa.5, ss.804-811, 2015 (SCI-Expanded)
  28. **Operators ideals of generalized modular spaces of ceáro type defined by weighted means**  
Şimşek N., KARAKAYA V., Polat H.  
Journal of Computational Analysis and Applications, cilt.19, sa.5, ss.804-811, 2015 (SCI-Expanded)
  29. **Korovkin type approximation theorems for weighted alpha beta-statistical convergence**  
KARAKAYA V., Karaisa A.  
BULLETIN OF MATHEMATICAL SCIENCES, cilt.5, sa.2, ss.159-169, 2015 (SCI-Expanded)
  30. **ON SPECTRAL PROPERTIES OF A NEW OPERATOR OVER SEQUENCE SPACES  $c$  AND  $c(0)$**   
ERDOĞAN E., KARAKAYA V.  
ACTA MATHEMATICA SCIENTIA, cilt.34, sa.5, ss.1481-1494, 2014 (SCI-Expanded)
  31. **On Ideal Convergence of Sequences of Functions in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V., Şimşek N., Ertürk M., Gürsoy F.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.8, sa.5, ss.2307-2313, 2014 (SCI-Expanded)

32. **Some geometric properties of a new difference sequence space defined by de la Vallee-Poussin mean**  
Et M., Karakas M., KARAKAYA V.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.234, ss.237-244, 2014 (SCI-Expanded)
33. **Some Convergence and Stability Results for Two New Kirk Type Hybrid Fixed Point Iterative Algorithms**  
Gursoy F., KARAKAYA V.  
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34. **Existence of Tripled Fixed Points for a Class of Condensing Operators in Banach Spaces**  
KARAKAYA V., BOUZARA N. E. H., DOGAN K., ATALAN Y.  
SCIENTIFIC WORLD JOURNAL, 2014 (SCI-Expanded)
35. **On the Convergence and Stability Results for a New General Iterative Process**  
Dogan K., KARAKAYA V.  
SCIENTIFIC WORLD JOURNAL, 2014 (SCI-Expanded)
36. **Lacunary statistical convergence of sequences of functions in intuitionistic fuzzy normed space**  
KARAKAYA V., Simsek N., GURSOY F., ERTURK M.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.26, sa.3, ss.1289-1299, 2014 (SCI-Expanded)
37. **n-Tuplet Coincidence Point Theorems in Intuitionistic Fuzzy Normed Spaces**  
Erturk M., KARAKAYA V.  
JOURNAL OF FUNCTION SPACES, 2014 (SCI-Expanded)
38. **Some Convergence and Stability Results for the Kirk Multistep and Kirk-SP Fixed Point Iterative Algorithms**  
Gursoy F. F., KARAKAYA V., Rhoades B. E.  
ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
39. **On Some Geometric Properties of a New Paranormed Sequence Space**  
KARAKAYA V., Altun F.  
JOURNAL OF FUNCTION SPACES, 2014 (SCI-Expanded)
40. **On Cluster Points, Continuity, and Boundedness Associated with the Generalized Statistical Convergence in Probabilistic Normed Spaces**  
Das P., Dutta K., KARAKAYA V.  
ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
41. **A New Difference Sequence Set of Order  $\alpha$  and Its Geometrical Properties**  
Et M., KARAKAYA V.  
ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
42. **Banach-Saks Type and Gurarii Modulus of Convexity of Some Banach Sequence Spaces**  
Hudzik H., KARAKAYA V., Mursaleen M., Simsek N.  
ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
43. **SOME GEOMETRIC PROPERTIES OF A NEW DIFFERENCE SEQUENCE SPACE INVOLVING LACUNARY SEQUENCES**  
Karakas M., Et M., KARAKAYA V.  
ACTA MATHEMATICA SCIENTIA, cilt.33, sa.6, ss.1711-1720, 2013 (SCI-Expanded)
44. **Some paranormed Euler sequence spaces of difference sequences of order  $m$**   
KARAKAYA V., Savas E., Polat H.  
MATHEMATICA SLOVACA, cilt.63, sa.4, ss.849-862, 2013 (SCI-Expanded)
45. **Investigation of shielding properties of some boron compounds**  
İÇELLİ O., Mann K. S., YALÇIN Z., Orak S., KARAKAYA V.  
ANNALS OF NUCLEAR ENERGY, cilt.55, ss.341-350, 2013 (SCI-Expanded)
46. **n-tuplet fixed point theorems for contractive type mappings in partially ordered metric spaces**  
Erturk M., KARAKAYA V.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
47. **Data dependence results of new multi-step and S-iterative schemes for contractive-like operators**

- Gursoy F., KARAKAYA V., Rhoades B. E.  
FIXED POINT THEORY AND APPLICATIONS, 2013 (SCI-Expanded)
48. **On Some Further Generalizations of Strong Convergence in Probabilistic Metric Spaces Using Ideals**  
Das P., Dutta K., KARAKAYA V., Ghosal S.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
49. **On Geometrical Properties of Some Banach Spaces**  
Simsek N., Savas E., KARAKAYA V.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.7, sa.1, ss.295-300, 2013 (SCI-Expanded)
50. **Fixed Point of a New Three-Step Iteration Algorithm under Contractive-Like Operators over Normed Spaces**  
KARAKAYA V., Doğan K., Gürsoy F., Ertürk M.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
51. **Data Dependence Results for Multistep and CR Iterative Schemes in the Class of Contractive-Like Operators**  
KARAKAYA V., Gursoy F., Dogan K., Erturk M.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
52. **Weighted statistical convergence and its application to Korovkin type approximation theorem**  
Mursaleen M., Karakaya V., Erturk M., Gursoy F.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.18, ss.9132-9137, 2012 (SCI-Expanded)
53. **On the fine spectrum of the second order difference operator over the sequence spaces  $l(p)$  and  $bv(p)$ , ( $1 < p < \infty$ )**  
Karakaya V., Manafov M. D., Simsek N.  
MATHEMATICAL AND COMPUTER MODELLING, cilt.55, ss.426-431, 2012 (SCI-Expanded)
54. **On Some Properties of New Paranormed Sequence Space of Nonabsolute Type**  
KARAKAYA V., Simsek N.  
ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)
55. **Statistical Convergence of Sequences of Functions in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V., Simsek N., Erturk M., Gursoy F.  
ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)
56.  **$\lambda$ -Statistical Convergence of Sequences of Functions in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V., Simsek N., Erturk M., Gursoy F.  
JOURNAL OF FUNCTION SPACES AND APPLICATIONS, 2012 (SCI-Expanded)
57. **On paranormed  $\lambda$ -sequence spaces of non-absolute type**  
KARAKAYA V., Noman A., Polat H.  
MATHEMATICAL AND COMPUTER MODELLING, cilt.54, ss.1473-1480, 2011 (SCI-Expanded)
58. **ON SOME VECTOR VALUED GENERALIZED DIFFERENCE MODULAR SEQUENCE SPACES**  
KARAKAYA V., Dutta H.  
FILOMAT, cilt.25, sa.3, ss.15-27, 2011 (SCI-Expanded)
59. **Measure of noncompactness of matrix operators on some difference sequence spaces of weighted means**  
Mursaleen M., KARAKAYA V., Polat H., Şimşek N.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.62, sa.2, ss.814-820, 2011 (SCI-Expanded)
60. **Difference sequence spaces derived by using a generalized weighted mean**  
Polat H., KARAKAYA V., Şimşek N.  
APPLIED MATHEMATICS LETTERS, cilt.24, sa.5, ss.608-614, 2011 (SCI-Expanded)
61. **On almost  $p$ -bounded variation of lacunary sequences**  
KARAKAYA V., Savaş E.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.61, sa.6, ss.1502-1506, 2011 (SCI-Expanded)
62. **Some new paranormed sequence spaces defined by Euler and difference operators**  
KARAKAYA V., Polat H.  
Acta Scientiarum Mathematicarum, cilt.76, ss.87-100, 2010 (SCI-Expanded)

63. **SOME GEOMETRIC AND TOPOLOGICAL PROPERTIES OF A NEW SEQUENCE SPACE DEFINED BY DE LA VALLEE-POUSSIN MEAN**  
Simsek N., Savas E., KARAKAYA V.  
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, cilt.12, sa.4, ss.768-779, 2010 (SCI-Expanded)
64. **Fine spectra of upper triangular double-band matrices**  
KARAKAYA V., Altun M.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.234, sa.5, ss.1387-1394, 2010 (SCI-Expanded)
65. **Schauder Basis, Separability, and Approximation Property in Intuitionistic Fuzzy Normed Space**  
Mursaleen M., KARAKAYA V., Mohiuddine S.  
ABSTRACT AND APPLIED ANALYSIS, 2010 (SCI-Expanded)
66. **WEIGHTED STATISTICAL CONVERGENCE**  
Karakaya V., Chishti T.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, cilt.33, ss.219-223, 2009 (SCI-Expanded)
67. **On Some Geometrical Properties of Generalized Modular Spaces of Cesaro Type Defined by Weighted Means**  
Şimşek N., Simsek N., KARAKAYA V.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2009 (SCI-Expanded)
68. **Some  $l(p)$ -Type New Sequence Spaces and Their Geometric Properties**  
Savas E., KARAKAYA V., Şimşek N.  
ABSTRACT AND APPLIED ANALYSIS, 2009 (SCI-Expanded)
69. **Some new sequence spaces defined by lacunary sequences**  
Savas E., Karakaya V.  
MATHEMATICA SLOVACA, cilt.57, sa.4, ss.393-399, 2007 (SCI-Expanded)
70. **Some geometric properties of sequence spaces involving lacunary sequence**  
KARAKAYA V.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2007 (SCI-Expanded)
71. **Some new sequence spaces defined by a sequence of Orlicz functions**  
KARAKAYA V.  
TAIWANESE JOURNAL OF MATHEMATICS, cilt.9, sa.4, ss.617-627, 2005 (SCI-Expanded)
72. **On lacunary sigma-statistical convergence**  
KARAKAYA V.  
INFORMATION SCIENCES, cilt.166, ss.271-280, 2004 (SCI-Expanded)
73. **On lacunary invariant sequence spaces defined by a sequence of modulus functions**  
KARAKAYA V., Şimşek N.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.156, sa.3, ss.597-603, 2004 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

1. **Ontolojik Bakımdan Fiziksel ve Matematiksel Varlıkların İdrak Edilme Düzeyleri ve Metafiziksel Bağlılıkları Üzerine Bir Değerlendirme**  
Karakaya V.  
cilt.1, sa.1, ss.89-109, 2024 (Hakemli Dergi)
2. **BEST PROXIMITY POINT THEOREMS IN NON-ARCHIMEDEAN MENGER PROBABILISTIC SPACES**  
Karaaslan A. A., Karakaya V.  
Kragujevac Journal of Mathematics, cilt.48, sa.3, ss.331-343, 2024 (ESCI)
3. **On the controlled chaos of S-iteration according to Lyapunov exponent and certain control mechanisms in discrete dynamical systems**  
Sekman D., Karakaya V.  
PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, cilt.55, ss.253-267, 2023 (ESCI)

4. **On fixed points of some multivalued mappings under certain function classes**  
KARAKAYA V., Sekman D.  
Carpathian Mathematical Publications, cilt.15, sa.1, ss.128-136, 2023 (ESCI)
5. **Cisimsel Sûret ve Metafizik Arasında Matematiksel Bilginin Yeri Üzerine Bir Değerlendirme**  
KARAKAYA V.  
BIJOB BEYTULHIKME INTERNATIONAL JOURNAL OF PHILOSOPHY, cilt.12, ss.357-376, 2022 (ESCI)
6. **İnsanlığın Bilgi Serüveni ve Hikmet İlişkisi Üzerine Bir Değerlendirme**  
Karakaya V.  
Cihannüma Sosyal Bilimler Akademi Dergisi, cilt.1, sa.1, ss.35-56, 2022 (Hakemli Dergi)
7. **APPROXIMATE FIXED POINT PROPERTY IN IFNS**  
ERTÜRK M., KARAKAYA V., Mursaleen M.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, cilt.12, sa.1, ss.329-346, 2022 (ESCI)
8. **A NEW TYPE OF CONTRACTION VIA MEASURE OF NON-COMPACTNESS WITH AN APPLICATION TO VOLTERRA INTEGRAL EQUATION**  
Karakaya V., Sekman D.  
PUBLICATIONS DE L INSTITUT MATHEMATIQUE-BEOGRAD, cilt.111, sa.125, ss.111-121, 2022 (ESCI)
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61. **Some fixed point results in generalized convex metric spaces**  
DOĞAN K., KARAKAYA V.  
International Conference on Analysis and its Applications (ICAA-2015), 19 - 21 Aralık 2015
62. **Iterative Solution of Functional Volterra Fredholm Integral Equation with Deviating Argument**  
ATALAN Y., KARAKAYA V.  
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63. **A short survey of the process of fixed point theory**  
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64. **Some results about Averaging Property in Some Banach Spaces**  
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65. **A Short Survey of the Process of Fixed Point Theory**  
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66. **On Multistep Iteration Method for Contractive Condition of Integral Type in Banach Spaces**  
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67. **A fixed point theorem for condensing operators and Applications to Integral Equations in Frechet spaces**  
BOUZARA N. E. H., KARAKAYA V.  
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68. **On the Fine Spectra of a New Matrix Operator Over the Sequence Spaces  $c_0$  and  $c$**   
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69. **On new iteration for set contraction mappings and existence results for power set contractions mappings**  
Bouzara N. E. H., KARAKAYA V.

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70. **On new iteration for k set contraction mappings**  
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71. **Some Common Fixed Points Results For Commuting k Set Contraction mappings and Applications**  
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72. **On Mann Picard Newton like iteration process**  
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74. **Solution of a Nonlinear Integral Equation Using a New Three Step Iteration**  
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75. **Some Fixed Point Results in Convex Metric Spaces**  
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76. **On Fine Spectra and Subspectrum (Approximate Point, Defect and Compression) of Operator with Periodic Coefficients**  
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77. **On the Spectrum of the Product Operator W on the Sequence Space  $bv$**   
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78. **On A Kirk-MP Iteration Process**  
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79. **On The Stability Of Picard-Kirk-S Iterative Method**  
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80. **Existence of Fixed points for Continuous Operators in Banach Spaces Using Measure of Noncompactness and Under an Integral Condition**  
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95. **On some results of MP iteration procedure for weak contraction operator in Banach spaces**

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98. **On Fine Spectra and Subspectrum Of Operator With Periodic Coefficients**  
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99. **Feigenbaum Dönüşümü için Giriş Zamanları**  
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I. Kadın Matematikçiler Çalıştayı, Türkiye, 2 - 04 Mayıs 2014
100. **Bazı Dizi Uzaylarındaki Spektral Analiz**  
ERDOĞAN E., KARAKAYA V.  
I. Kadın Matematikçiler Derneği Çalıştayı (TKMD), Türkiye, 2 - 04 Mayıs 2014
101. **Convergence Analysis for Various İterative Procedures and a Data Dependence Result**  
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102. **Comparison of The Speed of Convergence Among Various Iterative Schemes**  
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2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosna-Hersek, 26 - 29 Ağustos 2013
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108. **Operators Ideal of Generalized Modular Spaces of Cesaro Type Defined by Weighted Means**  
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109. **n-Tuplet Fixed Point Theorems in Partially Ordered Metric Space**  
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110. **Some Convergence Results For Jungck Noor and Jungck Thianwan Hybrid Type Iterative Procedures**  
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- International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2013, 2 - 05 Haziran 2013)
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- International Conference on Applied Analysis and Mathematical Modeling( ICAAMM-2013), 2 - 05 Haziran 2013
112. **Convergence and stability results for a new general iterative process**  
DOĞAN K., KARAKAYA V.
- International Conference on Applied Analysis and Mathematical Modeling (ICAAMM-2013), 2 - 05 Haziran 2013
113. **n-Tuplet Fixed Point Theorems in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V.
- International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 2 - 03 Haziran 2013
114. **Some convergence and stability results for Kirk Multistep and Kirk-SP fixed point algorithms when dealing with contractive-like operators in normed linear space**  
GÜRSOY F., KARAKAYA V., RHOADES B. E.
- International Conference On Mathematical Sciences and Statistics, Kuala-Lumpur, Malezya, 5 - 08 Şubat 2013
115. **On The Convergence Of A New Iterative Scheme For The Class of Contractive Like Operators**  
DOĞAN K., KARAKAYA V., ERTÜRK M., GÜRSOY F.
- International Conference On Mathematical Sciences and Statistics, Kuala-Lumpur, Malezya, 5 - 08 Şubat 2013
116. **Fixed Points of Quasi Contractive Type Operators in Normed Spaces by a Three step iteration process**  
DOĞAN K., KARAKAYA V., GÜRSOY F., ERTÜRK M.
- International Conference On Mathematical Sciences And Statistics 2013 (ICMSS 2013), 5 - 07 Şubat 2013
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118. **On Some New Paranormed SEQUENCE Spaces Of Non Absolute Type**  
KARAASLAN A. A., KARAKAYA V.
- International Eurasian Conference on Mathematical Sciences and Applications ( IECMSA-2012), 3 - 07 Eylül 2012
119. **The Spectrum of Matrix Operators on a Difference Sequence Space of Weighted Means**  
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- International Eurasian Conference on Mathematical Sciences and Applications ( IECMSA-2012), 3 - 07 Eylül 2012
120. **On Some Geometric Properties of an New Paranormed Sequence Space**  
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- International Conference on Applied Analysis and Application(ICAAM-2012), 19 - 24 Haziran 2012
121. **The Fine Spectra of a New Operator W on Sequence Space c 0**  
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122. **On the Ideal Convergence of Function Sequence in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V., Şimşek N., Ertürk M., Gürsoy F.
- International Conference on Analysis and Its Applications(ICAA-11), 01 Kasım 2011
123. **Convergence Analysis for Various İterative Procedures and a Data Dependence Result**  
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## Akademik İdari Deneyim

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2022 - Devam Ediyor **YÖKAK Üst Kurul Üyesi** **YÜKSEKÖĞRETİM KALİTE KURULU (YÖKAK)**

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2015 - Devam Ediyor **ÜAK Komisyon Üyesi** **ÜNİVERSİTELERARASI KURUL (ÜAK) BAŞKANLIĞI**

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2015 - 2023	<b>Rektör</b>	Kırşehir Ahi Evran Üniversitesi
2015 - 2021	<b>Fen ve Mühendislik Bilimleri Araştırma ve Yayın Etiği Komisyon Üyesi</b>	ÜNİVERSİTELERARASI KURUL (ÜAK) BAŞKANLIĞI
2016 - 2019	<b>Dekan</b>	Kırşehir Ahi Evran Üniversitesi, İslami İlimler Fakültesi
2015 - 2015	<b>Bölüm Başkanı</b>	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü
2014 - 2015	<b>Fakülte Yönetim Kurulu Üyesi</b>	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi
2014 - 2015	<b>Rektörlük Stratejik Plan Komisyonu Üyesi</b>	Yıldız Teknik Üniversitesi, Rektörlük
2013 - 2015	<b>ADEK Komisyonu Üyesi</b>	Yıldız Teknik Üniversitesi, Rektörlük
2010 - 2015	<b>Rektörlük Kalite Komisyonu Üyesi</b>	Yıldız Teknik Üniversitesi, Rektörlük
2009 - 2015	<b>Anabilim/Bilim Dalı Başkanı</b>	Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü
2012 - 2013	<b>Enstitü Müdür Yardımcısı</b>	Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü
2009 - 2009	<b>Fakülte Kurulu Üyesi</b>	Adıyaman Üniversitesi, İktisadi Ve İdari Bilimler Fakültesi
2009 - 2009	<b>Fakülte Yönetim Kurulu Üyesi</b>	Adıyaman Üniversitesi, İktisadi Ve İdari Bilimler Fakültesi
2008 - 2009	<b>Fakülte Yönetim Kurulu Üyesi</b>	Adıyaman Üniversitesi, Eğitim Fakültesi
2008 - 2009	<b>Fakülte Kurulu Üyesi</b>	Adıyaman Üniversitesi, Eğitim Fakültesi
2008 - 2009	<b>ADEK Komisyonu Üyesi</b>	Adıyaman Üniversitesi, Rektörlük
2008 - 2009	<b>Rektörlük Stratejik Plan Komisyonu Üyesi</b>	Adıyaman Üniversitesi, Rektörlük
2007 - 2009	<b>Enstitü Müdürü</b>	Adıyaman Üniversitesi, Fen Bilimleri Enstitüsü
2007 - 2009	<b>Senato Üyesi</b>	Adıyaman Üniversitesi
2007 - 2009	<b>BAP Bilimsel Komisyon Üyesi</b>	Adıyaman Üniversitesi, Rektörlük
2007 - 2009	<b>Bilimsel Ödülü Komisyonu Üyesi</b>	Adıyaman Üniversitesi, Rektörlük
2005 - 2009	<b>Meslek Yüksekokulu Yönetim Kurulu Üyesi</b>	Adıyaman Üniversitesi, Gölbaşı Meslek Yüksekokulu
2007 - 2007	<b>Dekan Yardımcısı</b>	Adıyaman Üniversitesi, Eğitim Fakültesi

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2005 - 2007	<b>Anabilim/Bilim Dalı</b>	Adıyaman Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü
2005 - 2007	<b>Başkanı</b> <b>Bölüm Başkanı</b>	Adıyaman Üniversitesi, Eğitim Fakültesi, İlköğretim Bölümü

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## Yönetilen Tezler

- Karakaya V., Kontrol Sistemi Olarak Sabit Nokta İterasyonları ve Kaotik Diskrit Dinamik Sistemler, Doktora, D.Sekman(Öğrenci), 2023
- Karakaya V., Düzgün konveks metrik uzaylarda bazı sabit nokta iterasyon yaklaşımları ve optimizasyon, Doktora, M.KNEFATI(Öğrenci), 2023
- Karakaya V., Olasılıksal Uzaylarda Sabit Nokta Teori ve Uygulamaları, Doktora, A.Aysun(Öğrenci), 2021
- Karakaya V., Küme Değerli Sabit Nokta Dönüşümleri ve İterasyonları, Doktora, E.Hacıoğlu(Öğrenci), 2018
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## Bilimsel Kuruluşlardaki Üyelikler / Görevler

- Lise Öğretmenlerine Yönelik Olimpiyat İleri Matematik- IV. Kademe Eğitimi Çalıştayı/ İstanbul (TÜBİTAK), Danışman, 2014 - 2014
- Lise Öğretmenlerine Yönelik Olimpiyat İleri Matematik- III. Kademe Eğitimi Çalıştayı/ Antalya (TÜBİTAK), Danışman, 2013 - 2013
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- Eğitimcilerin Eğitimi Çalıştayı- Eğitimde Proje Danışmanlığı/ Adıyaman (TÜBİTAK), Danışman, 2008 - 2009
- Eğitimcilerin Eğitimi Çalıştayı- Eğitimde Proje Danışmanlığı/ Erzincan (TÜBİTAK), Danışman, 2008 - 2008
- Eğitimcilerin Eğitimi Çalıştayı- Eğitimde Proje Danışmanlığı/ Batman (TÜBİTAK), Danışman, 2008 - 2008
- Yenilenen İlköğretim Programı Paylaşım Seminerleri/ Ankara (MEB), Danışman, 2006 - 2006

## Bilimsel Hakemlikler

JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, SCI-E Kapsamındaki Dergi, Temmuz 2024  
BIJOB BEYTULHIKME INTERNATIONAL JOURNAL OF PHILOSOPHY, ESCI Kapsamındaki Dergi, Şubat 2024  
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## Akademik Dolaşım Faaliyetleri

Araştırma Burs Programı, Misafir Araştırmacı, Indiana University Bloomington, Amerika Birleşik Devletleri, 2010 - 2011

## Metrikler

Yayın: 248  
Atıf (WoS): 963  
Atıf (Scopus): 992  
H-İndeks (WoS): 16  
H-İndeks (Scopus): 16

## Kongre ve Sempozyum Katılımı Faaliyetleri

Geçmiş ve Gelecek Arasında: Mantık ile Matematik İlişkisi Sempozyumu, Davetli Konuşmacı, Bingöl, Türkiye, 2024  
İlimlerin Metafizik Tasnifleri ve Bilgi Katmanları, Moderatör, Samsun, Türkiye, 2022  
Matematik Felsefesi ve Metafizik Üzerine, Davetli Konuşmacı, Ankara, Türkiye, 2022  
Matematikselsel Düşüncenin Modern Çağda Algılanışı, Davetli Konuşmacı, İstanbul, Türkiye, 2022

## Davetli Konuşmalar

Geçmişimizden İhlamla Geleceği İnşa Etmek, Konferans, Şule Yüksel Şenler Kız Anadolu İmam Hatip Lisesi, Türkiye, Ocak 2020  
Varlık Algısı ve Eğitim, Konferans, Ekonomik ve Sosyal Araştırmalar Merkezi, Türkiye, Aralık 2019  
Düşünce Tarihi ve Fuat Sezgin, Konferans, Özel Kırşehir Anadolu Lisesi, Türkiye, Aralık 2019  
Düşünce Tarihimiz ve Fuat Sezgin, Konferans, Beyoğlu Anadolu İmam Hatip Lisesi, Türkiye, Aralık 2019

Matematiksel Düşünce Üzerine, Konferans, Ege Üniversitesi, Türkiye, Aralık 2019  
Prof. Dr. Fuat Sezgin Bakışıyla Matematiksel Düşüncenin Tarihi, Konferans, "Müslüman Bilim Adamlarının Bilim ve Teknolojiye Katkıları" Paneli, Azerbaycan, Kasım 2019  
Nesiller Mimari Olarak Öğretmenler, Konferans, Alanya Alaaddin Keykubat Üniversitesi, Türkiye, Kasım 2019  
Hukuk ve Mantık, Konferans, Türkiye Adalet Akademisi, Türkiye, Ekim 2019  
Yükseköğretim ve Nitelikli Gençlik, Konferans, Harran Üniversitesi, Türkiye, Eylül 2019  
Prof. Dr. Fuat Sezgin Bakışıyla İslam Bilim Tarihinde Bilim ve Teknik, Konferans, Malatya Fen Lisesi, Türkiye, Nisan 2019  
Günümüz Eğitim Sisteminin İhtiyaç Duyduğu Eğitici Modeli, Konferans, Niğde Ömer Halisdemir Üniversitesi, Türkiye, Mart 2019  
İbn-i Sina Metafiziği, Konferans, Kırşehir Ahi Evran Üniversitesi, Türkiye, Şubat 2019  
Matematik ve Metafizik Düşünce İlişkisi, Konferans, Kırşehir Ahi Evran Üniversitesi, Türkiye, Şubat 2019  
Bir Matematikçi Gözünden Varlık ve Hayat, Konferans, Kalıcı Değerler ve Maarif Vakfı, Türkiye, Aralık 2018  
İbn-i Sina'nın Metafizik Anlayışından Modern Matematiğe Bir Bakış, Konferans, Yıldız Teknik Üniversitesi, Türkiye, Aralık 2018  
Küresel Boyutlarıyla Türkiye Ekonomisi ve Yükseköğretimin Geleceği, Çalıştay, Siirt Üniversitesi, Türkiye, Mayıs 2018  
Matematik Ders Kitapları Kavram Algıları ve Yanılgıları, Konferans, Yıldız Teknik Üniversitesi, Türkiye, Nisan 2018  
Evrenin Mantıksal Dili Matematik, Konferans, Kırşehir Ahi Evran Üniversitesi, Türkiye, Mart 2018  
Evrenin Mantıksal Dili Matematik, Konferans, Ege Üniversitesi, Türkiye, Şubat 2018  
Kudüs'e Evrensel Bakış Çalıştayı, Çalıştay, Sivas Cumhuriyet Üniversitesi, Türkiye, Aralık 2017  
Yetmiş İnsan Problemimiz ve Eğitimin Gücü, Konferans, Ekonomik ve Sosyal Araştırmalar Merkezi, Türkiye, Aralık 2017  
Matematik Öğretimi ve Bilimsel Düşünce İlişkisi, Konferans, Kırşehir Ahi Evran Üniversitesi, Türkiye, Kasım 2017  
Matematiğin Günlük Hayatımızdaki Kullanım Yeri, Konferans, Kahramanmaraş Elbistan Fen Lisesi, Türkiye, Mart 2017  
Türk Üniversitelerindeki Bilimsel Çalışmalar, Konferans, Adıyaman Üniversitesi, Türkiye, Mayıs 2014

## Araştırma Alanları

Matematik, Dinamik Sistemler ve Ergodik Kuramı, Diziler, Seriler ve Toplanabilirlik, Fonksiyonel Analiz, Matematiğin Temelleri ve Matematiksel Mantık, Matematik Eğitimi, Operatör Kuramı

## Akademi Dışı Deneyim

YÜKSEKÖĞRETİM KALİTE KURULU

Indiana Üniversitesi, Bloomington, USA