

# VATAN KARAKAYA

## PROF.

Email : vkkaya@yildiz.edu.tr

Address : Yıldız Teknik Üniversitesi, Kimya-Metalürji Fak,  
Matematik Mühendisliği Bölümü, Davutpaşa Kampüsü,  
Esenler/İstanbul

### International Researcher IDs

ORCID: 0000-0003-4637-3139

Publons / Web Of Science ResearcherID: AAZ-4643-2020

ScopusID: 23097887800

Yoksis Researcher ID: 2985



## Learning Knowledge

Doctorate  
1996 - 2002

Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey

Postgraduate  
1994 - 1996

Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey

Undergraduate  
1990 - 1994

Firat University, Faculty Of Science, Department Of Mathematics, Turkey

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Bazı Yeni Dizi Uzayları ve Matris Dönüşümleri, Van Yüzüncü Yil University, 2002

Postgraduate, Değiştirilmiş Ortalamalar, Van Yüzüncü Yil University, 1996

## Academic Titles / Tasks

Professor  
2012 - Continues

Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering,  
Department Of Mathematics Engineering

Associate Professor  
2010 - 2011

Indiana University Bloomington, THE COLLEGE OF ARTS & SCIENCES, Department  
of Mathematics

Associate Professor  
2009 - 2011

Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering,  
Department Of Mathematics Engineering

Associate Professor

2006 - 2009

Adiyaman University, Faculty Of Education

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Assistant Professor

2005 - 2006

Adiyaman University, Faculty Of Education

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Assistant Professor

2003 - 2005

Gaziantep University, Adiyaman Faculty Of Education

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Research Assistant PhD

2002 - 2003

Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü

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Research Assistant

1994 - 2002

Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü

## Supported Projects

1. Sekman D., Karakaya V., Project Supported by Higher Education Institutions, Kontrol Sistemi Olarak Sabit Nokta İterasyonları ve Kaotik Diskrit Dinamik Sistemler, 2018 - 2023
2. Karakaya V., Sekman D., Şimşek N., Project Supported by Higher Education Institutions, Kompakt Olmama Ölçüsüne Göre Darbo Tipi Dönüşümlerin Bazı Genellemeleri ve F- Contraction Altında Sabit Noktanın Varlığının Araştırılması, 2017 - 2019
3. Karakaya V., Ertürk M., TUBITAK Project, Sezgisel Fuzzy (Intuitionistic Fuzzy) Normlu Uzaylarda Bazı Yeni Kavramlar ve Uygulamaları, 2011 - 2013
4. Karakaya V., Mursaleen M., TUBITAK Project, Sezgisel Fuzzy Uzaylarda Bazı Topolojik Kavramlar, 2010 - 2010
5. Karakaya V., Project Supported by Higher Education Institutions, Üst Üçgensel Çift Bant Matrislerinin Fine Spektrumu, 2009 - 2009
6. Karakaya V., TUBITAK Project, Dinamik Sistemler ve Kaos, 2008 - 2008

## Published journal articles indexed by SCI, SSCI, and AHCI

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, vol.47, no.11, pp.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, vol.29, no.4, pp.1547-1570, 2023 (SCI-Expanded)
3. **Variational Inequality Problem Involving Multivalued Nonexpansive Mapping in CAT(0) Spaces**  
GÜRSOY F., Hacıoğlu E., KARAKAYA V., Milovanovic G., Uddin I.  
RESULTS IN MATHEMATICS, vol.77, no.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, vol.32, no.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, vol.43, no.16, pp.1884-1900, 2022 (SCI-Expanded)
6. **PICARD TYPE ITERATIVE METHOD WITH APPLICATIONS TO MINIMIZATION PROBLEMS AND SPLIT FEASIBILITY PROBLEMS**  
Erturk M., GÜRSOY F., Ansari Q. H., KARAKAYA V.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, vol.21, no.4, pp.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, vol.41, no.2, pp.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, vol.23, pp.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, vol.20, no.11, pp.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, vol.113, no.1, pp.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, vol.26, no.5, pp.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, vol.42, no.3, pp.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, vol.39, no.3, pp.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, vol.19, no.6, pp.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, vol.2018, 2018 (SCI-Expanded)
16. **Operator ideal of s-type operators using weighted mean sequence space**  
ERDOĞAN E., KARAKAYA V.  
CARPATHIAN JOURNAL OF MATHEMATICS, vol.33, no.3, pp.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, vol.18, no.2, pp.625-640, 2017 (SCI-Expanded)
18. **ITERATIVE SOLUTION OF FUNCTIONAL VOLTERRA-FREDHOLM INTEGRAL EQUATION WITH DEVIATING ARGUMENT**  
Atalan Y., KARAKAYA V.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, vol.18, no.4, pp.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, vol.18, no.4, pp.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, vol.33, no.3, pp.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, vol.18, no.4, pp.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, vol.93, no.12, pp.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, vol.36, no.2, pp.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, vol.36, no.2, pp.477-486, 2016 (SCI-Expanded)
25. **New Matrix Domain Derived by the Matrix Product**  
KARAKAYA V., SIMSEK N., DOGAN K.  
FILOMAT, vol.30, no.5, pp.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, vol.43, no.1, pp.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, vol.19, no.5, pp.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, vol.19, no.5, pp.804-811, 2015 (SCI-Expanded)
29. **Korovkin type approximation theorems for weighted alpha beta-statistical convergence**  
KARAKAYA V., KARAIŞA A.  
BULLETIN OF MATHEMATICAL SCIENCES, vol.5, no.2, pp.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, vol.34, no.5, pp.1481-1494, 2014 (SCI-Expanded)
31. **On Ideal Convergence of Sequences of Functions in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V., ŞİMŞEK N., ERTÜRK M., GURSOY F.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, no.5, pp.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, vol.234, pp.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.  
JOURNAL OF FUNCTION SPACES, 2014 (SCI-Expanded)
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, vol.26, no.3, pp.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, vol.33, no.6, pp.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, vol.63, no.4, pp.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, vol.55, pp.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, vol.7, no.1, pp.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, vol.218, no.18, pp.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, vol.55, pp.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, vol.54, pp.1473-1480, 2011 (SCI-Expanded)
58. **ON SOME VECTOR VALUED GENERALIZED DIFFERENCE MODULAR SEQUENCE SPACES**  
KARAKAYA V., Dutta H.  
FILOMAT, vol.25, no.3, pp.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, vol.62, no.2, pp.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, vol.24, no.5, pp.608-614, 2011 (SCI-Expanded)
61. **On almost  $p$ -bounded variation of lacunary sequences**  
KARAKAYA V., Savaş E.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.61, no.6, pp.1502-1506, 2011 (SCI-Expanded)
62. **Some new paranormed sequence spaces defined by Euler and difference operators**  
KARAKAYA V., Polat H.  
Acta Scientiarum Mathematicarum, vol.76, pp.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, vol.12, no.4, pp.768-779, 2010 (SCI-Expanded)
64. **Fine spectra of upper triangular double-band matrices**  
KARAKAYA V., Altun M.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.234, no.5, pp.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, vol.33, pp.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, vol.57, no.4, pp.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, vol.9, no.4, pp.617-627, 2005 (SCI-Expanded)
  72. **On lacunary sigma-statistical convergence**  
KARAKAYA V.  
INFORMATION SCIENCES, vol.166, pp.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, vol.156, no.3, pp.597-603, 2004 (SCI-Expanded)

#### Articles Published in Other Journals

1. **Ontolojik Bakımdan Fiziksel ve Matematiksel Varlıkların İdrak Edilme Düzeyleri ve Metafiziksel Bağlılıkları Üzerine Bir Değerlendirme**  
Karakaya V.  
vol.1, no.1, pp.89-109, 2024 (Peer-Reviewed Journal)
2. **BEST PROXIMITY POINT THEOREMS IN NON-ARCHIMEDEAN MENGER PROBABILISTIC SPACES**  
Karaaslan A. A., Karakaya V.  
Kragujevac Journal of Mathematics, vol.48, no.3, pp.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, vol.55, pp.253-267, 2023 (ESCI)
4. **On fixed points of some multivalued mappings under certain function classes**  
KARAKAYA V., Sekman D.  
Carpathian Mathematical Publications, vol.15, no.1, pp.128-136, 2023 (ESCI)
5. **Cisimsel Sûret ve Metafizik Arasında Matematiksel Bilginin Yeri Üzerine Bir Değerlendirme**  
KARAKAYA V.  
BIJOB BEYTULHIKME INTERNATIONAL JOURNAL OF PHILOSOPHY, vol.12, pp.357-376, 2022 (ESCI)
6. **İnsanlığın Bilgi Serüveni ve Hikmet İlişkisi Üzerine Bir Değerlendirme**  
Karakaya V.  
Cihannüma Sosyal Bilimler Akademi Dergisi, vol.1, no.1, pp.35-56, 2022 (Peer-Reviewed Journal)
7. **APPROXIMATE FIXED POINT PROPERTY IN IFNS**  
ERTÜRK M., KARAKAYA V., Mursaleen M.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.12, no.1, pp.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, vol.111, no.125, pp.111-121, 2022 (ESCI)
9. **Convergence of Jungck-Kirk Type Iteration Method with Applications**  
MALDAR S., KARAKAYA V.  
PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, vol.54, no.2, pp.75-87, 2022 (ESCI)
10. **On Modeling of the Mathematical Objects from the Philosophy of Mathematics**  
KARAKAYA V.  
BEYTULHIKME-AN INTERNATIONAL JOURNAL OF PHILOSOPHY, vol.11, no.3, pp.1143-1156, 2021 (ESCI)
11. **Some Fixed Point Results for a New Multivalued Hybrid Mapping in Geodesic Spaces**  
HACIOĞLU E., KARAKAYA V.  
THAI JOURNAL OF MATHEMATICS, vol.19, no.2, pp.571-581, 2021 (ESCI)
12. **An Example of Data Dependence Result for The Class of Almost Contraction Mappings**  
Atalan Y., KARAKAYA V.  
SAHAND COMMUNICATIONS IN MATHEMATICAL ANALYSIS, vol.17, no.1, pp.139-155, 2020 (ESCI)
13. **On F-Weak Contraction of Generalized Multivalued Integral Type Mappings with alpha-admissible**  
Karakaya V., Şimşek N., Sekman D.  
SAHAND COMMUNICATIONS IN MATHEMATICAL ANALYSIS, vol.17, no.1, pp.57-67, 2020 (ESCI)
14. **An application of function sequences to the Darbo's theorem with integral type transformations**  
KARAKAYA V., SEKMAN D.  
Journal of Mathematical Extension, vol.14, no.4, pp.159-168, 2020 (ESCI)
15. **SOME FIXED POINT RESULTS IN THE GENERALIZED CONVEX METRIC SPACES**  
Doğan K., Gürsoy F., Karakaya V.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.10, no.1, pp.11-23, 2020 (ESCI)
16. **SOME NEW RESULTS ON CONVERGENCE, STABILITY AND DATA DEPENDENCE IN  $n$ -NORMED SPACES**  
Dogan K., Gursoy F., KARAKAYA V., Khan S. H.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.1, pp.112-122, 2020 (ESCI)
17. **Obtaining new fixed point theorems by using generalized Banach-Contraction Principle**  
Atalan Y., Karakaya V.  
Erciyes University Journal of Institute of Science and Technology, vol.35, no.3, pp.34-45, 2019 (Peer-Reviewed Journal)
18. **SOME FIXED POINT RESULTS FOR CONTINUOUS FUNCTIONS ON AN ARBITRARY INTERVALS**  
Dogan K., Gursoy F., KARAKAYA V.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, no.3, pp.755-767, 2019 (ESCI)
19. **MEASURE OF NONCOMPACTNESS IN THE STUDY OF SOLUTIONS FOR A SYSTEM OF INTEGRAL EQUATIONS**  
KARAKAYA V., Mursaleen M., Bouzara N. E. H., Sekman D.  
JOURNAL OF THE INDONESIAN MATHEMATICAL SOCIETY, vol.25, no.1, pp.62-74, 2019 (ESCI)
20. **ON THE F-CONTRACTION PROPERTIES OF MULTIVALUED INTEGRAL TYPE TRANSFORMATIONS**  
Sekman D., KARAKAYA V.  
METHODS OF FUNCTIONAL ANALYSIS AND TOPOLOGY, vol.25, no.3, pp.282-288, 2019 (ESCI)
21. **ANALYTICAL AND NUMERICAL ASPECT OF COINCIDENCE POINT PROBLEM OF QUASI-CONTRACTIVE OPERATORS**  
Gursoy F., Erturk M., Khan A. R., KARAKAYA V.  
PUBLICATIONS DE L INSTITUT MATHEMATIQUE-BEOGRAD, vol.105, no.119, pp.101-121, 2019 (ESCI)
22. **INVESTIGATION OF SOME FIXED POINT THEOREMS IN HYPERBOLIC SPACES FOR A THREE STEP ITERATION PROCESS**  
Atalan Y., KARAKAYA V.



KOREAN JOURNAL OF MATHEMATICS, vol.27, no.4, pp.929-947, 2019 (ESCI)

23. **Some Fixed Point Results for A Multivalued Generalization of Generalized Hybrid Mappings in  $CAT(\kappa)$ -Spaces**  
Hacıoğlu E., Karakaya V.  
Konuralp Journal of Mathematics, vol.6, pp.26-34, 2018 (Peer-Reviewed Journal)
24. **A STUDY IN THE FIXED POINT THEORY FOR A NEW ITERATIVE SCHEME AND A CLASS OF GENERALIZED MAPPINGS**  
Doğan K., Karakaya V.  
Creative Mathematics and Informatics, vol.27, no.2, pp.151-160, 2018 (Peer-Reviewed Journal)
25. **ON DIFFERENT TYPE OF FIXED POINT THEOREM FOR MULTIVALUED MAPPINGS VIA MEASURE OF NONCOMPACTNESS**  
BOUZARA N. E. H., KARAKAYA V.  
ADVANCES IN OPERATOR THEORY, vol.3, no.2, pp.326-336, 2018 (ESCI)
26. **A notion of  $\alpha\beta$ -statistical convergence of order  $\gamma$  in probability**  
Das P., Som S., Ghosal S., KARAKAYA V.  
Kragujevac Journal of Mathematics, vol.42, no.1, pp.51-67, 2018 (Scopus)
27. **A NOTION OF alpha beta-STATISTICAL CONVERGENCE OF ORDER gamma IN PROBABILITY**  
DAS P., SOM S., GHOSAL S., KARAKAYA V.  
KRAGUJEVAC JOURNAL OF MATHEMATICS, vol.42, no.1, pp.51-67, 2018 (ESCI)
28. **Approximation of fixed point of accretive operators basedon a Halpern-Type iterative method**  
Doğan K., Karakaya V.  
Creative Mathematics and Informatics, vol.26, pp.263-274, 2017 (Peer-Reviewed Journal)
29. **n-tuplet fixed points of multivalued mappings via measure of noncompactness**  
SEKMAN D., BOUZARA N. E. H., KARAKAYA V.  
Communications in Optimization Theory, vol.2017, pp.1-13, 2017 (Peer-Reviewed Journal)
30. **Stability of nonlinear Volterra-Fredholm integro differential equation: A fixed point approach**  
Atalan Y., Karakaya V.  
Creative Mathematics and Informatics, vol.26, pp.247-254, 2017 (Peer-Reviewed Journal)
31. **Convergence analysis for a new faster iteration method**  
Karakaya V., Atalan Y., Doğan K., Bouzara N. E. H.  
Istanbul Commerce University Journal of Science, vol.15, pp.35-53, 2016 (Peer-Reviewed Journal)
32. **Some common fixed point results for commuting k set contraction mappings and their applications**  
Bouzara N. E. H., KARAKAYA V.  
Advances in Fixed Point Theory, vol.2, pp.224-240, 2016 (Peer-Reviewed Journal)
33. **On new iteration for set contraction mappings and existence results for power set contractions mappings**  
El Houda Bouzara N., KARAKAYA V.  
International Journal of Pure and Applied Mathematics, vol.109, no.2, pp.193-205, 2016 (Scopus)
34. **On the Behaviour of the spectral characteristic of Feigenbaum's map**  
Dzhalilov A., KARAKAYA V., Şimşek N.  
P-Adic Numbers, Ultrametric Analysis, and Applications, vol.4, no.4, pp.259-270, 2012 (ESCI)
35. **On some geometrical properties of certain vector-valued sequence spaces**  
Şimşek N., KARAKAYA V.  
Far East Journal of Mathematical Sciences, vol.40, no.2, pp.189-200, 2010 (Scopus)
36. **Fine spectra of lacunary matrices**  
Altun M., Karakaya V.  
Communications in Mathematical Analysis, vol.7, pp.1-10, 2009 (Scopus)
37. **Structure and some geometric properties of generalized Cesaro sequence space**  
Şimşek N., Karakaya V.  
INTERNATIONAL JOURNAL OF CONTEMPORARY MATHEMATICAL SCIENCES, vol.3, pp.389-399, 2008 (Peer-Reviewed Journal)

38. **Inclusion theorems for double lacunary sequence spaces**  
Savaş E., Karakaya V., Petterson R.  
Acta Scientiarum Mathematicarum, vol.71, pp.147-157, 2005 (ESCI)
39. **Teta Sigma SUMMABLE SEQUENCES AND SOMEMATRIX TRANSFORMATIONS**  
Karakaya V.  
Tamkang Journal of Mathematics, vol.35, pp.313-320, 2004 (ESCI)
40. **On some new sequence spaces involving invariant means**  
Kara H., Karakaya V.  
Journal of the Indian Matematical Society, vol.70, pp.49-55, 2003 (Peer-Reviewed Journal)
41. **On some matrix transformations**  
Karakaya V., Şimşek N.  
Int. Math. J., vol.4, pp.19-25, 2003 (Peer-Reviewed Journal)
42. **On lacunary invariant sequence spaces defined by a sequence of modulus function**  
Karakaya V., Şimşek N.  
Studia Univ. Babeş-Bolyai Math., vol.48, pp.43-48, 2003 (Peer-Reviewed Journal)
43. **On strongly Cesaro convergent sequence spaces defined by Orlicz function**  
Karakaya V., Kara H., Savaş Eren R.  
Analele Universitatii de Vest din Timisoara, vol.40, pp.67-74, 2002 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **Corona Sonrası Dünyaya Bakış**  
Karakaya V.  
in: Corona Sonrası Dünyaya Bakış, H. Haluk Erdem, Editor, Sentez Nesriyat, Bursa, pp.81-226, 2020
2. **Matematiksel Düşüncenin Tarihi Gelişimi ve Eğitimde Konumlanması**  
Karakaya V., Sekman D.  
in: Türkiye Eğitim Vizyonu Üzerine Değerlendirmeler, Doç. Dr. Fuat TANHAN, Editor, Pegem A Yayıncılık, Ankara, pp.35-44, 2019
3. **Matematik Öğretimi ve Bilimsel Düşünce İlişkisi**  
Karakaya V.  
in: Türkiye'de Bilgi Üretimi ve Bilim Politikaları, Orhan Neçare, Editor, Atatürk Araştırma Merkezi, Ankara, pp.21-24, 2018
4. **Türk Eğitim Sisteminin Temel Problemleri Üzerine**  
Karakaya V., Sekman D.  
in: Türkiye'de Bilgi Üretimi ve Bilim Politikaları, Orhan NEÇARE, Editor, Atatürk Araştırma Merkezi, Ankara, pp.1019-1051, 2018
5. **Matematik 7. Sınıf Ders Kitabı**  
Karakaya V. (Editor)  
Milli Eğitim Bakanlığı Yayınları, Ankara, 2017
6. **Matematik 6. Sınıf Ders Kitabı**  
Karakaya V. (Editor)  
Milli Eğitim Bakanlığı Yayınları, Ankara, 2016
7. **Matematik Ortaokul Ders Kitabı**  
Karakaya V., Doğan M.  
Milli Eğitim Bakanlığı, Ankara, 2014

## Refereed Congress / Symposium Publications in Proceedings

1. **Metafizik Alanda Kullanılan Mantığın Matematiksel Nesnelere Alanına Kısıtlanması Üzerine**

- Karakaya V.  
Geçmiş ve Gelecek Arasında: Mantık ile Matematik İlişkisi Sempozyumu, Bingöl, Turkey, 29 May 2024, pp.1
2. **On Some Chaotic Structures Using Fréchet Derivative On New Multistep Iteration**  
Karakaya V., Sekman D.  
7th International Conference on Mathematics (ICOM-2023), İstanbul, Turkey, 11 July 2023
  3. **Some Fixed Point Theorems in Menger Probabilistic Space**  
Karaaslan A. A., Karakaya V.  
7th International Conference on Mathematics (ICOM-2023), İstanbul, Turkey, 11 - 13 July 2023, pp.0-1
  4. **A new iteration technique for convex feasibility problem in p-uniformly convex metric spaces**  
Knefati M., Karakaya V.  
7th International Conference on Mathematics (ICOM-2023), İstanbul, Turkey, 11 - 13 July 2023, pp.0-1
  5. **On Control Intervals of Chaos with Fréchet Derivative of Certain Iterations As Discrete Dynamical System In Banach Spaces**  
SEKMAN D., KARAKAYA V.  
7th International Conference on Computational Mathematics and Engineering Sciences (CMES-2023), Elazığ, Turkey, 22 May 2023
  6. **On The Stability Result for Integral-Type Mapping Using A Three-Step Iterative Algorithm**  
Maldar S., Karakaya V.  
8th IFS and Contemporary Mathematics Conference (IFSCOM2022), Mersin, Turkey, 16 - 19 June 2022, pp.78
  7. **On Controlling Chaos for Multi-Step Iteration Process and Its Special Iterations in Discrete Dynamical Systems**  
SEKMAN D., KARAKAYA V.  
International Conference on Mathematics and Mathematics Education (ICMME-2021), Ankara, Turkey, 16 September 2021
  8. **On Controlling Chaos for Multi-Step Iteration Process and Its Special Iterations in Discrete Dynamical Systems**  
Sekman D., Karakaya V.  
International Conference on Mathematics and Mathematics Education (ICMME-2021), Ankara, Turkey, 16 - 18 September 2021, pp.101-102
  9. **On Fixed Point of Some Generalized Multivalued Mapping Under Function Sequences**  
SEKMAN D., KARAKAYA V.  
5th International Conference on Computational Mathematics and Engineering Sciences (CMES-2021), Van, Turkey, 08 June 2021
  10. **Matematiksel Düşüncenin Tarihi Gelişimi ve Eğitimde Konumlanması**  
Karakaya V.  
Eğitim Pratiğimiz ve 2023 Eğitim Vizyonu Kongresi, Van, Turkey, 19 March - 20 October 2019, pp.75-76
  11. **Demonstration of Complex Polynomial Convergence by MP Iteration Using S-convexity**  
DOĞAN K., ATALAN Y., KARAKAYA V.  
ARTVIN CORUH UNIVERSITY INTERNATIONAL ARTVIN SYMPOSIUM, Artvin, Turkey, 18 - 20 October 2018
  12. **İbn-i Sina'nın Metafizik Anlayışından Modern Matematiğe Bir Bakış**  
Karakaya V.  
I. Türk Eğitim Kongresi, İstanbul, Turkey, 27 - 28 December 2018
  13. **Matematik Ders Kitapları Kavram Algıları ve Yanılgıları**  
Karakaya V.  
International Symposium On Textbooks, İstanbul, Turkey, 24 - 26 December 2018, pp.3-5
  14. **Matematik Öğretimi ve Bilimsel Düşünce İlişkisi**  
KARAKAYA V.  
International Symposium On Knowledge Generating and Science Policies in Turkey, Kırşehir, Turkey, 15 - 17 November 2017, pp.21-24
  15. **Fundamental Problems of the Turkish Education System**  
KARAKAYA V., SEKMAN D.

International Symposium On Knowledge Generating and Science Policies in Turkey, Kırşehir, Turkey, 15 - 17 November 2017, pp.1019-1034

16. **On a new escape criterions for complex polynomials using fixed point iteration method and s-convexity**  
ATALAN Y., KARAKAYA V.  
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 September 2018
17. **Ishikawa Iteration Process as Control Systems and Chaotic Discrete Dynamical Sytems**  
SEKMAN D., KARAKAYA V.  
4th International Conference On Analysis and Its Applications (ICAA-2018), Kırşehir, Turkey, 11 - 14 September 2018
18. **On the F-Contraction of The Darbo Theorem Generalized By Function Classes**  
SEKMAN D., KARAKAYA V.  
4th International Conference On Analysis and Its Applications (ICAA-2018), Kırşehir, Turkey, 11 - 14 September 2018
19. **CONVERGENCE ANALYSIS OF JUNGCK-MP ITERATIVE METHOD IN THE BANACH SPACES**  
DOĞAN K., KARAKAYA V.  
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 September 2018
20. **CONVERGENCE AND STABILITY RESULTS FOR K ITERATION**  
ERTÜRK M., GÜRSOY F., KARAKAYA V.  
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 September 2018
21. **Delta - convergence and strong convergence in generalized CAT (0) spaces**  
KNEFATI M., KARAKAYA V.  
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 September 2018
22. **SOME FIXED POINT RESULTS FOR A NEW THREE STEPS ITERATION PROCESS IN BANACH SPACES: A REVISIT**  
GÜRSOY F., ERTÜRK M., KARAKAYA V.  
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 September 2018
23. **On  $\lambda v$ -Statistical Convergence of Order  $\alpha$  of Generalized Difference Sequences**  
Şimşek N., Et M., Karakaya V.  
4th International Conference On Analysis and Its Applications, Kırşehir, Turkey, 11 - 14 September 2018, pp.10-15
24. **ON A NEW ESCAPE CRITERIONS FOR COMPLEX POLYNOMIALS USINGFIXED POINT ITERATION METHOD AND S-CONVEXITY**  
ATALAN Y., KARAKAYA V.  
International Conference on Analysis and ItsApplications, Kırşehir, Turkey, 11 - 14 September 2018
25. **CONVERGENCE THEOREMS FOR SOME MAPPINGS IN A TYPE OF PROBABILISTIC NORMED SPACES**  
Karaaslan A. A., Karakaya V.  
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 11 - 14 September 2018
26. **Integral Type Darbo's Fixed Point Theorem via Sequences of Functions**  
SEKMAN D., KARAKAYA V.  
5th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM-2018), Trabzon, Turkey, 23 - 27 July 2018
27. **Mathematics As A Language Of Mind**  
KARAKAYA V., SEKMAN D.  
3rd International Conference on Computational Mathematics and Engineering Sciences (CMES-2018), Girne, Cyprus (Kkct), 04 May 2018, pp.12
28. **An Extension Of Darbo's Fixed Point Theorem Defined By The Sequences Of Functions**  
SEKMAN D., KARAKAYA V., ŞİMŞEK N.  
3rd International Conference on Computational Mathematics and Engineering Sciences (CMES-2018), Girne, Cyprus (Kkct), 4 - 06 May 2018
29. **Mathematics As A Language Of Mind**

Karakaya V.

3rd International Conference On Computational Mathematics and Engineering Sciences-CMES 2018, Girne, Cyprus (Kkct), 4 - 06 May 2018

30. **Matematik Müfredat Programları ve Ders Kitaplarına Yansıması Bağlamında Bir İlişki Analizi**  
DOĞAN M., KARAKAYA V., ERSOY B. A.  
International Symposium On Textbooks (DEKUS 2018), İstanbul, Turkey, 12 - 14 April 2018
31. **Data dependence analysis for a new faster iteration method**  
ATALAN Y., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON“OPERATORS IN MORREY-TYPE SPACES ANDAPPLICATIONS”, Kırşehir, Turkey, 10 - 13 July 2017
32. **Some fixed point results for a new class of multivalued operators in the metric spaces**  
ERTÜRK M., GÜRSOY F., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON\OPERATORS IN MORREY-TYPE SPACES ANDAPPLICATIONS”, 10 - 13 July 2017
33. **On Existence and Convergence Theorems for A New Multivalued Mapping in Geodesic Spaces**  
HACIOĞLU E., ATALAN Y., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON“OPERATORS IN MORREY-TYPE SPACES ANDAPPLICATIONS”, 10 - 13 July 2017
34. **Fixed Point Theory and Dynamics-Chaotic Behaviors of Function Iteration Process**  
Karakaya V., Sekman D.  
International Conference Operators on Morrey-Type Spaces and Applications (OMTSA-2017), Kırşehir, Turkey, 10 - 13 July 2017
35. **n-Tuplet Coincidence Point Theorems in Partially Ordered Probabilistic Metric Spaces**  
KARAASLAN A. A., KARAKAYA V., ERTÜRK M.  
Operators in Morrey-type Spaces and Applications, 10 - 13 July 2017
36. **F-contraction of generalized multivalued integral type mappings with  $\alpha$ - admissible**  
Sekman D., Karakaya V.  
International Conference Operators on Morrey-Type Spaces and Applications (OMTSA-2017), Kırşehir, Turkey, 10 - 13 July 2017
37. **Numerical reckoning coincidence points of a new general class of nonself operators via a simpler and faster iterative scheme**  
GÜRSOY F., ERTÜRK M., KARAKAYA V., KHAN A. R.  
International conference on operators in Morrey-type spaces and applications, İstanbul, Turkey, 10 - 13 July 2017
38. **A study on a faster Mann iterative method**  
DOĞAN K., KARAKAYA V.  
Operators in General Morrey-Type Spaces and Applications (OMTSA 2017), 10 - 13 July 2017
39. **Some Fixed Point Results in Hyperbolic Spaces**  
ATALAN Y., KARAKAYA V., GÜRSOY F.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
40. **A simpler and faster iterative projection method for solving general nonconvexvariational inequalities**  
GÜRSOY F., DOĞAN K., KARAKAYA V., ERTÜRK M.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017
41. **Mild Solutions for Partial and Neutral Functional Noncompact Evolution Equations with State-Dependent Delay**  
BOUZARA SAHRAOUI N. E. H., KARAKAYA V., BAGJLI BENDİMERAD S.  
International Conference on Mathematics and Engineering (ICOME-2017), 10 - 12 May 2017
42. **A New Gradient Projection Algorithm for Convex Minimization Problem**  
ERTÜRK M., GÜRSOY F., KARAKAYA V.  
International Conference on Mathematics and Mathematics Education, 11 - 13 May 2017
43. **Coincidence points problem in generalized convex metric spaces**  
GÜRSOY F., ERTÜRK M., KARAKAYA V., DOĞAN K.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017

44. **Fixed Point of Generalized Multivalued F- Contraction Mapping of Integral Type**  
SEKMAN D., KARAKAYA V., BOUZARA N. E. H.  
International Conference On Mathematics and Engineering (ICOME-2017), İstanbul, Turkey, 10 - 12 May 2017
45. **ON THE CONVERGENCE RESULT OF NEW THREE STEP ITERATION PROCESS ON THE GENERALIZED BANACH SPACES**  
DOĞAN K., KARAKAYA V., GÜRSOY F.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
46. **ON EXISTENCE OF FIXED POINT FOR MULTIVALUED MAPPING VIA MEASURE OF NONCOMPACTNESS**  
SEKMAN D., KARAKAYA V., BOUZARA N. E. H.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
47. **OPERATOR IDEAL OF S TYPE OPERATORS USING WEIGHTED MEAN SEQUENCE SPACE**  
ERDOĞAN E., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
48. **EXISTENCE AND CONVERGENCE THEOREMS FOR MULTIVALUED GENERALIZED HYBRID MAPPINGS IN CAT  $k$  SPACES**  
HACIOĞLU E., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
49. **STABILITY OF NONLINEAR VOLterra FREDHOLM INTEGRAL DIFFERENTIAL EQUATION A FIXED POINT APPROACH**  
ATALAN Y., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
50. **FIXED POINT THEOREMS FOR INTEGRAL TYPE MAPPINGS IN BANACH SPACE**  
MALDAR M. A., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
51. **MEASURE OF NONCOMPACTNESS AND FRACTIONAL DIFFERENTIAL EQUATIONS IN BANACH SPACE**  
SOYSAL A., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
52. **A NOTE ON PROPERTIES THAT IMPLY THE FIXED POINT PROPERTY**  
Knefati M., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
53. **ON EXISTENCE AND CONVERGENCE THEOREMS FOR A NEW GENERAL NONLINEAR MAPPING ON CAT  $0$  SPACES**  
HACIOĞLU E., KARAKAYA V., ATALAN Y.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
54. **APPROXIMATING FIXED POINTS OF ALMOST CONTRACTIONS BY A SIMPLER AND FASTER ITERATIVE SCHEME**  
GÜRSOY F., KARAKAYA V., DOĞAN K.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
55. **CONVERGENCE THEOREMS OF FIXED POINTS FOR HEMICONTRACTIVE MAPPINGS IN SPANNABLE NORMED SPACES**  
KARAASLAN A. A., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
56. **INTEGRAL TYPE ALMOST CONTRACTION MAPPINGS IN METRIC SPACES**  
MALDAR M. A., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
57. **SOME CONVERGENCE AND DATA DEPENDENCE RESULTS IN A GENERAL CLASS OF CONTRACTIVE TYPE OPERATORS**  
ERTÜRK M., KARAKAYA V., GÜRSOY F.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kırşehir, Turkey, 12 - 15 July 2016
58. **ON NEW FIXED POINTS THEOREMS FOR SET CONTRACTION MULTIVALUED MAPPINGS AND APPLICATIONS TO DIFFERENTIAL INCLUSIONS**

- Bouzara N. E. H., KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, Kirsehir, Turkey, 12 - 15 July 2016
59. **On Existing of Fixed Point For Multivalued Mapping via Measure of Noncompactness**  
SEKMAN D., KARAKAYA V., BOUZARA N. E. H.  
2th International Conference On Analysis and Its Applications (ICAA-2016), Kirsehir, Turkey, 12 - 15 July 2016
60. **Some Common Fixed Point Results for Quasi contractive Type Operators**  
ATALAN Y., KARAKAYA V.  
17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2015), 21 - 24 September 2015
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 December 2015
62. **Iterative Solution of Functional Volterra Fredholm Integral Equation with Deviating Argument**  
ATALAN Y., KARAKAYA V.  
International Conference on Analysis and its Applications (ICAA-2015), 19 - 21 December 2015
63. **A short survey of the process of fixed point theory**  
KARAKAYA V., nour el houda b.  
International Conference on Analysis and its Applications (ICAA-2015), 19 - 21 December 2015
64. **Some results about Averaging Property in Some Banach Spaces**  
Şimşek N., Karakaya V.  
International Conference on Analysis and Its Applications, Aligarh, India, 19 - 21 December 2015, pp.3-5
65. **A Short Survey of the Process of Fixed Point Theory**  
KARAKAYA V.  
INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS (ICAA-2015), Aligarh, India, 19 - 21 December 2015
66. **On Multistep Iteration Method for Contractive Condition of Integral Type in Banach Spaces**  
MALDAR M. A., KARAKAYA V.  
4th International Eurasian Conference on Mathematical Sciences and Applications, 31 August - 03 December 2015
67. **A fixed point theorem for condensing operators and Applications to Integral Equations in Frechet spaces**  
BOUZARA N. E. H., KARAKAYA V.  
1 st workshop on mathematics, 28 - 30 November 2015
68. **On the Fine Spectra of a New Matrix Operator Over the Sequence Spaces  $c_0$  and  $c$**   
Elmacı S., Karakaya V.  
International Conference on Recent Advances in Pure and Applied Mathematics, Antalya, Turkey, 6 - 09 November 2014
69. **On new iteration for set contraction mappings and existence results for power set contractions mappings**  
Bouzara N. E. H., KARAKAYA V.  
International Conference on Advancements in Mathematical Sciences (AMS), 5 - 07 November 2015
70. **On new iteration for k set contraction mappings**  
KARAKAYA V., BOUZARA N. E. H.  
INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS(ICPAM 2015), 25 - 28 August 2015
71. **Some Common Fixed Points Results For Commuting k Set Contraction mappings and Applications**  
Bouzara N. E. H., KARAKAYA V.  
The 11th International Conference on Fixed Point Theory and its Applications (ICFPTA-2015), 20 - 24 July 2015
72. **On Mann Picard Newton like iteration process**  
DOĞAN K., KARAKAYA V.  
The 11th International Conference on Fixed Point Theory and its Applications (ICFPTA-2015), 20 - 24 July 2015
73. **Application of Equilibria and Fixed Point Theory in Solving Differential Equations**  
Bouzara N. E. H., KARAKAYA V.

- The 11th International Conference on Fixed Point Theory and its Applications (ICFPTA-2015), 20 - 24 July 2015
74. **Solution of a Nonlinear Integral Equation Using a New Three Step Iteration**  
ATALAN Y., KARAKAYA V.  
The 11th International Conference on Fixed Point Theory and its Applications (ICFPTA-2015), 20 - 24 July 2015
75. **Some Fixed Point Results in Convex Metric Spaces**  
KARAKAYA V., ATALAN Y., GÜRSOY F.  
V Congress of the Mathematicians of Macedonia, Ohrid, Macedonia, 24 September - 27 November 2014
76. **On Fine Spectra and Subspectrum (Approximate Point, Defect and Compression) of Operator with Periodic Coefficients**  
ŞİMŞEK N., KARAKAYA V.  
International Conference on Recent Advances in Pure and Applied Mathematics, Antalya, Turkey, 6 - 09 November 2014
77. **On the Spectrum of the Product Operator  $W$  on the Sequence Space  $bv$**   
ERDOĞAN E., KARAKAYA V.  
International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2014), Antalya, Turkey, 6 - 09 November 2014
78. **On A Kirk-MP Iteration Process**  
DOĞAN K., KARAKAYA V.  
International Conference on Recent Advances in Pure Applied Mathematics, Antalya, Turkey, 6 - 09 November 2014
79. **On The Stability Of Picard-Kirk-S Iterative Method**  
GÜRSOY F., KARAKAYA V.  
International Conference on Recent Advances in Pure and Applied Mathematics, Antalya, Turkey, 6 - 09 November 2014
80. **Existence of Fixed points for Continuous Operators in Banach Spaces Using Measure of Noncompactness and Under an Integral Condition**  
BOUZARA N. E. H., KARAKAYA V., ATALAN Y., DOĞAN K.  
International Conference on Recent Advances in Pure & Applied Mathematics (ICRAPAM14), Antalya, Turkey, 6 - 09 November 2014
81. **On a Kirk type new iteration process**  
ATALAN Y., KARAKAYA V., DOĞAN K., Bouzara N. E. H.  
International Conference on Recent Advances in Pure & Applied Mathematics (ICRAPAM14), 6 - 09 November 2014
82. **A New Difference Sequence Set of Order  $\alpha$  and Its Geometrical Properties**  
KARAKAYA V., ATALAN Y., ET M.  
International Conference on Recent Advances in Pure & Applied Mathematics (ICRAPAM14), 6 - 09 November 2014
83. **On the Fine Spectra of a New Matrix Operator Over the Sequence Spaces  $c_0$  and  $c$**   
ÇAĞLAK S., Karakaya V.  
International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2014), 01 November 2014
84. **Two step perturbed iterative algorithm for generalized nonlinear implicit quasi variational inclusion**  
**V Congress of Mathematicians of Macedonia**  
Doğan K., Karakaya V.  
The V Congress of the Mathematicians of Macedonia, Ohrid, Macedonia, 1 - 05 September 2014
85. **Some Fixed Point Results in Convex Metric Spaces.**  
KARAKAYA V., Atalan Y., Gürsoy F.  
V Congress of Mathematicians of Macedonia., 01 September 2014
86. **On Different Results For A New Two Step Iteration Method under Weak Contraction Mappings in Banach Spaces**  
NOUR EL HOUDA B., KARAKAYA V., DOĞAN K., ATALAN Y.



Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), Çankırı, Turkey, 11 - 13 June 2014

87. **The Spectrum of a New Operator On a Certain Sequence Space**  
ERDOĞAN E., KARAKAYA V.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), Çankırı, Turkey, 11 - 13 June 2014
88. **On Mann Iteration Process Derived By Weighted Mean and Its Fixed Point**  
SEKMAN D., KARAKAYA V.  
Karatekin Mathematics Days International Mathematics Symposium (KMD-2014), Çankırı, Turkey, 11 - 13 June 2014
89. **On the convergence results for a new iteration method under generalized multivalued nonexpansive mappings in Banach spaces**  
HACIOĞLU E., KARAKAYA V., DOĞAN K., ATALAN Y.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), Çankırı, Turkey, 11 - 13 June 2014
90. **On DPM Iteration Method for Weak Contraction Mappings in Banach Spaces**  
BOUZARA N. E. H., KARAKAYA V., DOĞAN K., ATALAN Y.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), 11 - 13 June 2014
91. **New Sequence spaces defined by Matrices Product on Paranormed Spaces**  
Polat H., Karakaya V.  
International Mathematics Symposium, Çankırı, Turkey, 11 - 13 June 2014, pp.1-3
92. **A Picard-S Hybrid Type Iteration Method For Solving A Differential Equation With Retarded Argument**  
Gürsoy F., Karakaya V.  
International Mathematics Symposium, Çankırı, Turkey, 11 - 13 June 2014, pp.1-3
93. **Some Fixed Point Conclusions in Probabilistic Metric Spaces**  
KARAASLAN A. A., KARAKAYA V.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), Çankırı, Turkey, 11 - 13 June 2014
94. **On Mann Iteration Process derived by weighted mean and its fixed point**  
SEKMAN D., KARAKAYA V.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), Çankırı, Turkey, 11 - 13 June 2014
95. **On some results of MP iteration procedure for weak contraction operator in Banach spaces**  
DOĞAN K., KARAKAYA V.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), 1 - 13 June 2014
96. **Existence of Tripled Fixed Points For a Class of Condensing Operators in Banach Spaces**  
Karakaya V., Bouzara N. E. H., Doğan K., Atalan Y.  
International Mathematics Symposium, Çankırı, Turkey, 11 - 13 June 2014, pp.1-3
97. **On the Fine Spectra of A New Matrix Operator Over the Sequence Space  $l_1$**   
ELMACI S., KARAKAYA V.  
Karatekin Mathematics Days International Mathematics Symposium 2014(KMD-2014), Çankırı, Turkey, 11 - 13 June 2014
98. **On Fine Spectra and Subspectrum Of Operator With Periodic Coefficients**  
Karakaya V., Manaflı M., Şimşek N.  
International Mathematics Symposium, Çankırı, Turkey, 11 - 13 June 2014, pp.1-3
99. **Feigenbaum Dönüşümü için Giriş Zamanları**  
KARAASLAN A. A., KARAKAYA V.  
I. Kadın Matematikçiler Çalıştayı, Turkey, 2 - 04 May 2014
100. **Bazı Dizi Uzaylarındaki Spektral Analiz**  
ERDOĞAN E., KARAKAYA V.

I. Kadın Matematikçiler Derneği Çalıştayı (TKMD), Turkey, 2 - 04 May 2014

101. **Convergence Analysis for Various Iterative Procedures and a Data Dependence Result**  
KARAKAYA V., ATALAN Y.  
international Conference on Recent Trends in Algebra and Analysis With Applications ( ICRTAAA-2014), Aligarh, India, 12 - 14 February 2014
102. **Comparison of The Speed of Convergence Among Various Iterative Schemes**  
GÜRSOY F., KARAKAYA V., ERTÜRK M.  
International Conference on Recent Trends in Algebra and Analysis with Applications, Aligarh, India, 12 - 14 February 2014
103. **A New Sequence Space with It'xxs Opial, K-Nuc and Rotund Property**  
KARAKAYA V., POLAT H.  
International Conference on Recent Trends in Algebra and Analysis with Applications, Aligarh, India, 12 - 14 February 2014
104. **The spectral applications of Beer-Lambert law for some biological and dosimetric materials**  
İÇELLİ O., YALÇIN Z., KARAKAYA V., ILGAZ I. P.  
2nd International Conference on Analysis and Applied Mathematics (ICAAM), Shymkent, Kazakhstan, 11 - 13 September 2014, vol.1611, pp.199-203
105. **Convergence and Stability Results for Some New Kirk Type Hybrid Fixed Point Iterative Algorithms**  
GÜRSOY F., KARAKAYA V.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 September 2013
106. **n-Tuplet Fixed Point Theorems in Partially Ordered Metric Space**  
KARAKAYA V., ERTÜRK M.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013
107. **Approximate Fixed Point Property in Intuitionistic Fuzzy Normed Space**  
ERTÜRK M., KARAKAYA V.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013
108. **Operators Ideal of Generalized Modular Spaces of Cesaro Type Defined by Weighted Means**  
ŞİMŞEK N., KARAKAYA V., POLAT H.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013
109. **n-Tuplet Fixed Point Theorems in Partially Ordered Metric Space**  
KARAKAYA V., Ertürk M.  
2nd International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2013), 01 August 2013
110. **Some Convergence Results For Jungck Noor and Jungck Thianwan Hybrid Type Iterative Procedures**  
GÜRSOY F., KARAKAYA V., DOĞAN K., ERTÜRK M.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2013, 2 - 05 June 2013
111. **Convergence results for Jungck SP and Jungck Noor type iteration algorithms in convex metric spaces**  
DOĞAN K., KARAKAYA V., GÜRSOY F., ERTÜRK M.  
International Conference on Applied Analysis and Mathematical Modeling( ICAAMM-2013), 2 - 05 June 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 June 2013
113. **n-Tuplet Fixed Point Theorems in Intuitionistic Fuzzy Normed Spaces**  
KARAKAYA V.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 2 - 03 June 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, Malaysia, 5 - 08 February 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, Malaysia, 5 - 08 February 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 February 2013

117. **Data Dependence Of Multistep And CR Iterative Schemes In The Class Of Contractive Like Operators**

KARAKAYA V., GÜRSOY F., DOĞAN K., ERTÜRK M.

International Conference On Mathematical Sciences And Statistics 2013 (ICMSS 2013), 5 - 07 February 2013

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 September 2012

119. **The Spectrum of Matrix Operators on a Difference Sequence Space of Weighted Means**

ERDOĞAN E., KARAKAYA V.

International Eurasian Conference on Mathematical Sciences and Applications ( IECMSA-2012), 3 - 07 September 2012

120. **On Some Geometric Properties of an New Paranormed Sequence Space**

ALTUN F., KARAKAYA V.

International Conference on Applied Analysis and Application(ICAAA-2012), 19 - 24 June 2012

121. **The Fine Spectra of a New Operator W on Sequence Space  $c_0$**

ERDOĞAN E., KARAKAYA V.

International Conference on Applied Analysis and Application(ICAAA-2012), İstanbul, Turkey, 19 - 24 June 2012

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 November 2011

123. **Convergence Analysis for Various İterative Procedures and a Data Dependence Result**

KARAKAYA V., Atalan Y.

International Conference on Recent Trends in Algebra and Analysis With Applications ( ICRTAAA-2014)

### Academic and Administrative Experience

2022 - Continues	YÖKAK Üst Kurul Üyesi	YÜKSEKÖĞRETİM KALİTE KURULU (YÖKAK)
2015 - Continues	ÜAK Komisyon Üyesi	
2015 - 2023	Rector	Kirşehir Ahi Evran University
2015 - 2021	Fen ve Mühendislik Bilimleri Araştırma ve Yayın Etiği Komisyon Üyesi	ÜNİVERSİTELERARASI KURUL (ÜAK) BAŞKANLIĞI
2016 - 2019	Dean	Kirşehir Ahi Evran University, Faculty Of Islamic Sciences
2015 - 2015	Head of Department	Yıldız Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering

2014 - 2015	<b>Fakülte Yönetim Kurulu Üyesi</b>	Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING
2014 - 2015	<b>Rektörlük Stratejik Plan Komisyonu Üyesi</b>	Yildiz Technical University, Rectorate
2013 - 2015	<b>Member of ADEK Commission</b>	Yildiz Technical University, Rectorate
2010 - 2015	<b>Rektörlük Kalite Komisyonu Üyesi</b>	Yildiz Technical University, Rectorate
2009 - 2015	<b>Head of Department</b>	Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering
2012 - 2013	<b>Assistant Director of the Institute</b>	Yildiz Technical University, Graduate School of Natural and Applied Sciences
2009 - 2009	<b>Fakülte Kurulu Üyesi</b>	Adiyaman University, Faculty Of Economics And Administrative Sciences
2009 - 2009	<b>Fakülte Yönetim Kurulu Üyesi</b>	Adiyaman University, Faculty Of Economics And Administrative Sciences
2008 - 2009	<b>Fakülte Yönetim Kurulu Üyesi</b>	Adiyaman University, Faculty Of Education
2008 - 2009	<b>Fakülte Kurulu Üyesi</b>	Adiyaman University, Faculty Of Education
2008 - 2009	<b>Member of ADEK Commission</b>	Adiyaman University, Rectorate
2008 - 2009	<b>Rektörlük Stratejik Plan Komisyonu Üyesi</b>	Adiyaman University, Rectorate
2007 - 2009	<b>Director of The Institution</b>	Adiyaman University, Institute Of Science
2007 - 2009	<b>Member of the Senate</b>	Adiyaman University
2007 - 2009	<b>BAP Scientific Commissioner</b>	Adiyaman University, Rectorate
2007 - 2009	<b>Scientific Award Committee Member</b>	Adiyaman University, Rectorate
2005 - 2009	<b>Meslek Yüksekokulu Yönetim Kurulu Üyesi</b>	Adiyaman University, Gölbaşı Vocational School
2007 - 2007	<b>Vice Dean</b>	Adiyaman University, Faculty Of Education
2005 - 2007	<b>Head of Department</b>	Adiyaman University, Faculty Of Education, Department Of Mathematics And Science Teaching
2005 - 2007	<b>Head of Department</b>	Adiyaman University, Faculty Of Education, Department Of Primary School

## Advising Theses

- Karakaya V., Kontrol Sistemi Olarak Sabit Nokta İterasyonları ve Kaotik Diskrit Dinamik Sistemler, Doctorate, D.Sekman(Student), 2023
- Karakaya V., Düzgün konveks metrik uzaylarda bazı sabit nokta iterasyon yaklaşımları ve optimizasyon, Doctorate, M.KNEFATI(Student), 2023
- Karakaya V., Olasılıksal Uzaylarda Sabit Nokta Teori ve Uygulamaları, Doctorate, A.Aysun(Student), 2021
- Karakaya V., Küme Değerli Sabit Nokta Dönüşümleri ve İterasyonları, Doctorate, E.Hacıoğlu(Student), 2018
- Karakaya V., Sabit Nokta Yaklaşımlarıyla Bazı Diferansiyel ve Integral Denklemlerin Çözümleri, Doctorate, Y.Atalan(Student), 2017
- Karakaya V., Banach Uzaylarında İç Noktalarda Başlangıç Şartlarına Sahip Kesir Mertebeli Diferansiyel Denklemler, Postgraduate, A.Soysal(Student), 2017
- Karakaya V., On Fixed Point Theorems for Single and Multivalued Mappings and Applications to Differential Problems, Doctorate, N.Bouzara(Student), 2016
- Karakaya V., Farklı Dönüşümler Altında Sabit Nokta Davranışlarının İncelenmesi, Doctorate, A.Maldar(Student), 2016
- Karakaya V., Bazı Geometrik Özellikler ve Sabit Nokta İterasyonları, Doctorate, K.Doğan(Student), 2016
- Karakaya V., Some Iteration Types and Weighted Mean Matrix, Postgraduate, D.Sekman(Student), 2015
- Karakaya V., m. Dereceden Genelleştirilmiş Fark Matrisinin Bazı Dizi Uzaylarında Spektrumu, Postgraduate, S.Elmacı(Student), 2015
- Karakaya V., Bazı Yeni Sabit Nokta İterasyon Yöntemlerinin Yakınsaklıklarının ve Kararlılıklarının İncelenmesi, Doctorate, F.Gürsoy(Student), 2014
- İçelli O., Karakaya V., Fizikte bazı spektral uygulamalar, Postgraduate, I.Pakize(Student), 2014
- Karakaya V., Sabit Nokta Teorisi ve Sezgisel Fuzzy Normlu Uzaylarda Bazı Uygulamaları, Doctorate, M.Ertürk(Student), 2014
- Karakaya V., Belirli Dizi Uzaylarının Her Yönde Düzgün Konveks Yapısı ve Bazı Geometrik Özellikleri, Postgraduate, N.Kuru(Student), 2013
- Karakaya V., Feigenbaum Dönüşümü İçin Giriş Zamanları, Postgraduate, A.Karaaslan(Student), 2013
- Karakaya V., Yeni Bir Operatörün Bazı Uzaylardaki Spektral Analizi, Postgraduate, E.Erdoğan(Student), 2013
- Karakaya V., Banach Uzaylarında Bazı Geometrik Kavramlar, Postgraduate, F.Altun(Student), 2012

## Memberships / Tasks in Scientific Organizations

- Lise Öğretmenlerine Yönelik Olimpiyat İleri Matematik- IV. Kademe Eğitimi Çalıştayı/ İstanbul (TÜBİTAK), Consultant, 2014 - 2014
- Lise Öğretmenlerine Yönelik Olimpiyat İleri Matematik- III. Kademe Eğitimi Çalıştayı/ Antalya (TÜBİTAK), Consultant, 2013 - 2013
- Lise Öğretmenlerine Yönelik Olimpiyat İleri Matematik- II. Kademe Eğitimi Çalıştayı / İstanbul (TÜBİTAK) , Consultant, 2012 - 2012
- Lise Öğretmenlerine Yönelik Olimpiyat İleri Matematik- I. Kademe Eğitimi Çalıştayı/ İstanbul (TÜBİTAK) , Consultant, 2011 - 2011
- Eğitmcilerin Eğitimi Çalıştayı- Eğitimde Proje Danışmanlığı/ Adıyaman (TÜBİTAK), Consultant, 2008 - 2009
- Eğitmcilerin Eğitimi Çalıştayı- Eğitimde Proje Danışmanlığı/ Erzincan (TÜBİTAK), Consultant, 2008 - 2008
- Eğitmcilerin Eğitimi Çalıştayı- Eğitimde Proje Danışmanlığı/ Batman (TÜBİTAK), Consultant, 2008 - 2008
- Yenilenen İlköğretim Programı Paylaşım Seminerleri/ Ankara (MEB), Consultant, 2006 - 2006

## Scientific Refereeing

JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, Journal Indexed in SCI-E, July 2024

BIJOB BEYTULHIKME INTERNATIONAL JOURNAL OF PHILOSOPHY, Journal Indexed in ESCI, February 2024

BIJOB BEYTULHIKME INTERNATIONAL JOURNAL OF PHILOSOPHY, Journal Indexed in ESCI, July 2023  
On a Class of n-normed Generalized Difference Sequences Related to the  $l_p$ -Space Defined by Orlicz Function, SCI Journal, September 2011  
MULTIPLIERS FOR BOUNDED  $I_2$ -CONVERGENT OF DOUBLE SEQUENCES, SCI Journal, September 2011  
Statistical approximation properties of modified  $q$ -Stancu-Beta operators, SCI Journal, September 2011  
SOME GEOMETRIC PROPERTIES OF LACUNARY SEQUENCE SPACES RELATED TO FIXED POINT PROPERTY, SCI Journal, August 2011  
Notes on the Spectrum of Lower Triangular Double-Band Matrices, SCI Journal, July 2011  
On the fine spectrum of generalized upper double-band matrices  $\Delta_{uv}$  over the sequence space  $l_1$ , SCI Journal, January 2011  
Some approximations over cone locally convex complete spaces and summability, SCI Journal, October 2010  
On  $\Sigma$ -conservative matrices and compact operators on the space  $V_\Sigma$ , SCI Journal, March 2010  
SOME SEQUENCE SPACES OF INVARIANT MEANS DEFINED BY MODULUS FUNCTION, SCI Journal, February 2010  
On compact operators and some Euler  $B(m)$ -difference sequence spaces, SCI Journal, November 2009  
Some sequence spaces of invariant means defined by modulus function, SCI Journal, May 2009  
Equivalence of methods for the summation of double sequence, SCI Journal, April 2007

## Mobility Activity

Research Scholarship Program, Guest Researcher, Indiana University Bloomington, United States Of America, 2010 - 2011

## Metrics

Publication: 248  
Citation (WoS): 963  
Citation (Scopus): 992  
H-Index (WoS): 16  
H-Index (Scopus): 16

## Congress and Symposium Activities

Geçmiş ve Gelecek Arasında: Mantık ile Matematik İlişkisi Sempozyumu, Invited Speaker, Bingöl, Turkey, 2024  
İlimlerin Metafizik Tasnifleri ve Bilgi Katmanları, Moderator, Samsun, Turkey, 2022  
Matematik Felsefesi ve Metafizik Üzerine, Invited Speaker, Ankara, Turkey, 2022  
Matematikselsel Düşüncenin Modern Çağda Algılanışı, Invited Speaker, İstanbul, Turkey, 2022

## Invited Talks

Geçmişimizden İhlamlarla Geleceği İnşa Etmek, Conference, Şule Yüksel Şenler Kız Anadolu İmam Hatip Lisesi, Turkey, January 2020  
Varlık Algısı ve Eğitim, Conference, Ekonomik ve Sosyal Araştırmalar Merkezi, Turkey, December 2019  
Düşünce Tarihi ve Fuat Sezgin, Conference, Özel Kırşehir Anadolu Lisesi, Turkey, December 2019  
Düşünce Tarihimiz ve Fuat Sezgin, Conference, Beyoğlu Anadolu İmam Hatip Lisesi, Turkey, December 2019  
Matematikselsel Düşünce Üzerine, Conference, Ege Üniversitesi, Turkey, December 2019  
Prof. Dr. Fuat Sezgin Bakışıyla Matematikselsel Düşüncenin Tarihi, Conference, "Müslüman Bilim Adamlarının Bilim ve Teknolojiye Katkıları" Paneli, Azerbaijan, November 2019  
Nesiller Mimari Olarak Öğretmenler, Conference, Alanya Alaaddin Keykubat Üniversitesi, Turkey, November 2019

Hukuk ve Mantık, Conference, Türkiye Adalet Akademisi, Turkey, October 2019  
Yükseköğretim ve Nitelikli Gençlik, Conference, Harran Üniversitesi, Turkey, September 2019  
Prof. Dr. Fuat Sezgin Bakışıyla İslam Bilim Tarihinde Bilim ve Teknik, Conference, Malatya Fen Lisesi, Turkey, April 2019  
Günümüz Eğitim Sisteminin İhtiyaç Duyduğu Eğitici Modeli, Conference, Niğde Ömer Halisdemir Üniversitesi, Turkey, March 2019  
İbn-i Sina Metafizigi, Conference, Kırşehir Ahi Evran Üniversitesi, Turkey, February 2019  
Matematik ve Metafizik Düşünce İlişkisi, Conference, Kırşehir Ahi Evran Üniversitesi, Turkey, February 2019  
Bir Matematikçi Gözünden Varlık ve Hayat, Conference, Kalıcı Değerler ve Maarif Vakfı, Turkey, December 2018  
İbn-i Sina'nın Metafizik Anlayışından Modern Matematiğe Bir Bakış, Conference, Yıldız Teknik Üniversitesi, Turkey, December 2018  
Küresel Boyutlarıyla Türkiye Ekonomisi ve Yükseköğretimin Geleceği, Workshop, Siirt Üniversitesi, Turkey, May 2018  
Matematik Ders Kitapları Kavram Alguları ve Yanılgıları, Conference, Yıldız Teknik Üniversitesi, Turkey, April 2018  
Evrenin Mantıksal Dili Matematik, Conference, Kırşehir Ahi Evran Üniversitesi, Turkey, March 2018  
Evrenin Mantıksal Dili Matematik, Conference, Ege Üniversitesi, Turkey, February 2018  
Kudüs'e Evrensel Bakış Çalıştayı, Workshop, Sivas Cumhuriyet Üniversitesi, Turkey, December 2017  
Yetmiş İnsan Problemimiz ve Eğitimin Gücü, Conference, Ekonomik ve Sosyal Araştırmalar Merkezi, Turkey, December 2017  
Matematik Öğretimi ve Bilimsel Düşünce İlişkisi, Conference, Kırşehir Ahi Evran Üniversitesi, Turkey, November 2017  
Matematiğin Günlük Hayatımızdaki Kullanım Yeri, Conference, Kahramanmaraş Elbistan Fen Lisesi, Turkey, March 2017  
Türk Üniversitelerindeki Bilimsel Çalışmalar, Conference, Adıyaman Üniversitesi, Turkey, May 2014

## Research Areas

Mathematics, Dynamic Systems and Ergodic Theory, Sequences, Series, Summability, Functional Analysis, Mathematical Logic and Foundations, Mathematics Education, Operators

## Non Academic Experience

YÜKSEKÖĞRETİM KALİTE KURULU  
Indiana Üniversitesi, Bloomington, USA