

# Prof. İsa YILDIRIM

## Personal Information

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Address: Atatürk Üniversitesi, Fen Fakültesi, Matematik Bölümü, 25240 Erzurum

## International Researcher IDs

ScholarID: VjIBj8IAAAAJ

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Yoksis Researcher ID: 35311

## Education Information

Doctorate, Ataturk University, Fen Fakültesi/Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi, Turkey 2005 - 2011

Masters (Non-Thesis), Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2000 - 2005

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Asimptotik Genişlemeyen Dönüşümlerin Ortak Sabit Noktaları İçin Yeni Yaklaşım Metotları, Atatürk Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2011

## Research Areas

Mathematics, Functional Analysis, Natural Sciences

## Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Matematik, 2018 - Continues

Associate Professor, Ataturk University, Fen Fakültesi, Matematik, 2013 - 2018

Assistant Professor, Ataturk University, Fen Fakültesi, Matematik, 2011 - 2013

## Academic and Administrative Experience

Assistant Director of the Institute, Ataturk University, Fen Fakültesi, Matematik, 2023 - Continues

Assistant Director of the Institute, Ataturk University, Fen Fakültesi, Matematik, 2022 - Continues

Academic Performance D. Board Member, Ataturk University, Fen Fakültesi, Matematik, 2021 - Continues

Erasmus Program Institutional Coordinator, Ataturk University, Fen Fakültesi, Matematik, 2017 - Continues

Deputy Head of Department, Ataturk University, Fen Fakültesi, Matematik, 2020 - 2021

## Courses

Analiz I, Undergraduate, 2023 - 2024  
Temel Matematik, Undergraduate, 2023 - 2024  
Diferansiyel Denklemler, Undergraduate, 2023 - 2024  
Diferensiyel Denklemler, Undergraduate, 2023 - 2024  
İLERİ FONKSİYONEL ANALİZ-II, Doctorate, 2022 - 2023  
MATEMATİK-II, Undergraduate, 2022 - 2023  
ANALİZ-II, Undergraduate, 2022 - 2023  
SABİT NOKTA TEORİSİ-II, Postgraduate, 2022 - 2023  
Analiz II, Undergraduate, 2021 - 2022  
Matematik II, Undergraduate, 2021 - 2022  
SABİT NOKTA TEORİSİ I, Postgraduate, 2022 - 2023  
Sabit Nokta Teorisi II, Postgraduate, 2021 - 2022  
İLERİ FONKSİYONEL ANALİZ I, Doctorate, 2022 - 2023  
Mesleki İngilizce, Undergraduate, 2021 - 2022  
Matematik ı, Undergraduate, 2021 - 2022  
Matematik I, Undergraduate, 2021 - 2022  
Analiz I, Undergraduate, 2021 - 2022  
Sabit Nokta Teorisi I, Postgraduate, 2021 - 2022  
NONLİNEER ve KONVEKS ANALİZ I, Doctorate, 2021 - 2022  
Ölçüm Teorisi, Undergraduate, 2021 - 2022  
Fixed Point Theory-II, Postgraduate, 2019 - 2020  
Applied Mathematics, Undergraduate, 2020 - 2021  
Functional Analysis-II, Undergraduate, 2019 - 2020  
Analysis-III, Undergraduate, 2019 - 2020  
Mathematics-II, Undergraduate, 2019 - 2020  
Mathematics-I, Undergraduate, 2020 - 2021  
Functional Analysis-I, Undergraduate, 2020 - 2021  
Fixed Point Theory-I, Postgraduate, 2020 - 2021

## Advising Theses

Yıldırım İ., Asimtotik genişlemeyen rastgele operatörlerin farklı sınıfları için rastgele sabit nokta sonuçları, Postgraduate, M.EMİN(Student), 2023  
Yıldırım İ., Genelleştirilmiş genişlemeyen dönüşümlerin sabit noktalarının incelenmesi, Postgraduate, N.ÇEBE(Student), 2023  
Yıldırım İ., Metrik uzaylarda kuvvetsel ve zayıf kuvvetsel daraltan tipi dönüşümler için sabit nokta teorisi, Postgraduate, Y.SERDAR(Student), 2023  
Yıldırım İ., Banach ve n-Banach uzaylarında zenginleştirilmiş daraltan dönüşüm sınıfları için sabit nokta teoremleri, Postgraduate, E.Şimşek(Student), 2022  
YILDIRIM İ., CAT(0) UZAYLARININ GEOMETRİK YAPISI VE BU UZAYLARDA n. DERECEDEDEN KONVEKS DARALTAN DÖNÜŞÜMLER İÇİN SABİT NOKTA TEOREMLERİ, Postgraduate, Y.Tekmanlı(Student), 2019  
YILDIRIM İ., Konik ve Konveks Metrik Uzaylarda Sabit Nokta Teoremleri Üzerine, Postgraduate, F.Develi(Student), 2018  
YILDIRIM İ., Newton-tipi sabit nokta iterasyon metotlarının yakınsama analizi, Doctorate, N.Karaca(Student), 2017  
YILDIRIM İ., Kısmi metrik uzaylarda sabit nokta teoremleri, Postgraduate, A.Ay(Student), 2013

## Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, June, 2021

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

- I. **A class of strongly convergent subgradient extragradient methods for solving quasimonotone variational inequalities**  
Rehman H. U., Kumam P., Ozdemir M., Yildirim İ., Kumam W.  
DEMONSTRATIO MATHEMATICA, vol.56, no.1, 2023 (SCI-Expanded)
- II. **Refinement on fixed point results in metric and b-metric spaces**  
Komachali A. H. A., Gaba Y. U., Aphane M., Yildirim İ.  
FILOMAT, vol.37, no.22, pp.7581-7588, 2023 (SCI-Expanded)
- III. **On extended interpolative single and multivalued F-contractions**  
YILDIRIM İ.  
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.3, pp.688-698, 2022 (SCI-Expanded)
- IV. **On the convergence and data dependence results for multistep Picard-Mann iteration process in the class of contractive-like operators**  
YILDIRIM İ., ABBAS M., KARACA N.  
Journal of Nonlinear Science and Applications, vol.9, no.6, pp.3773-3786, 2016 (SCI-Expanded)
- V. **On convergence of an implicit algorithm for multivalued mappings in banach spaces**  
YILDIRIM İ.  
Miskolc Mathematical Notes, vol.15, no.2, pp.771-780, 2014 (SCI-Expanded)
- VI. **On the convergence theorems of an implicit iteration process for asymptotically quasi I-nonexpansive mappings**  
YILDIRIM İ.  
Hacettepe Journal of Mathematics and Statistics, vol.42, no.6, pp.617-626, 2013 (SCI-Expanded)
- VII. **On the convergence of an iteration method for continuous mappings on an arbitrary interval**  
KADIOĞLU N., YILDIRIM İ.  
FIXED POINT THEORY AND APPLICATIONS, 2013 (SCI-Expanded)
- VIII. **A new iterative process for approximating common fixed points of nonself I-asymptotically quasi-nonexpansive mappings**  
YILDIRIM İ., GU F.  
Applied Mathematics, vol.27, no.4, pp.489-502, 2012 (SCI-Expanded)
- IX. **Convergence theorems for common fixed points of asymptotically quasi-nonexpansive mappings in convex metric spaces**  
YILDIRIM İ., KHAN S. H.  
Applied Mathematics and Computation, vol.218, no.9, pp.4860-4866, 2012 (SCI-Expanded)
- X. **Fixed points of multivalued nonexpansive mappings in Banach spaces**  
Khan S. H., YILDIRIM İ.  
FIXED POINT THEORY AND APPLICATIONS, pp.1-9, 2012 (SCI-Expanded)
- XI. **On strong convergence in real Banach spaces obtained by dropping the Lipschitz condition**  
Khan S. H., YILDIRIM İ.  
APPLIED MATHEMATICS LETTERS, vol.24, no.7, pp.1170-1175, 2011 (SCI-Expanded)
- XII. **Weak and strong convergence of an implicit iteration process in uniformly convex banach spaces**  
YILDIRIM İ., ÖZDEMİR M.  
Numerical Functional Analysis and Optimization, vol.32, no.6, pp.682-694, 2011 (SCI-Expanded)
- XIII. **A one-step iterative process for two multivalued nonexpansive mappings in Banach spaces**

- Khan S. H., YILDIRIM İ., Rhoades B. E.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.61, no.10, pp.3172-3178, 2011 (SCI-Expanded)
- XIV. **A new one-step implicit iterative process for common fixed points of two asymptotically nonexpansive mappings in Banach spaces**  
YILDIRIM İ., KHAN S. H.  
Expositiones Mathematicae, vol.29, no.2, pp.240-251, 2011 (SCI-Expanded)
- XV. **Convergence of a generalized iteration process for two finite families of Lipschitzian pseudocontractive mappings**  
KHAN S. H., YILDIRIM İ., ÖZDEMİR M.  
Mathematical and Computer Modelling, vol.53, pp.707-715, 2011 (SCI-Expanded)
- XVI. **Approximating common fixed points of asymptotically quasi-nonexpansive mappings by a new iterative process**  
YILDIRIM İ., ÖZDEMİR M.  
Arabian Journal for Science and Engineering, vol.36, no.3, pp.393-403, 2011 (SCI-Expanded)
- XVII. **Convergence of an implicit algorithm for two families of nonexpansive mappings**  
KHAN S. H., YILDIRIM İ., ÖZDEMİR M.  
Computers and Mathematics with Applications, vol.59, no.9, pp.3084-3091, 2010 (SCI-Expanded)
- XVIII. **STRONG CONVERGENCE OF AN IMPLICIT ITERATION PROCESS FOR TWO ASYMPTOTICALLY NONEXPANSIVE MAPPINGS IN BANACH SPACES**  
Wang L., YILDIRIM İ., ÖZDEMİR M.  
ANALELE ȘTIINȚIFICE ALE UNIVERSITĂȚII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.18, no.2, pp.281-294, 2010 (SCI-Expanded)
- XIX. **A new iterative process for common fixed points of finite families of non-self-asymptotically non-expansive mappings**  
YILDIRIM İ., ÖZDEMİR M.  
Nonlinear Analysis, Theory, Methods and Applications, vol.71, pp.991-999, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **RANDOM FIXED POINT RESULTS FOR GENERALIZED ASYMPTOTICALLY NONEXPANSIVE RANDOM OPERATORS**  
Yildirim İ., BATUHAN M. E.  
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, vol.72, no.3, pp.570-586, 2023 (ESCI)
- II. **A new type random iteration scheme for random common fixed point of three operators**  
Batuhan M. E., YILDIRIM İ.  
Transylvanian Journal of Mathematics and Mechanics, 2023 (Peer-Reviewed Journal)
- III. **ON WEAK INTERPOLATIVE CONTRACTIONS WITH APPLICATION TO HOMOTOPY THEORY**  
Yildirim İ., Sahin Y. S.  
JOURNAL OF SCIENCE AND ARTS, no.2, pp.421-430, 2023 (ESCI)
- IV. **Fixed Point Results for F-Hardy-Rogers Contractions via Mann's Iteration Process in Complete Convex b-Metric Spaces**  
Yıldırım İ.  
Sahand Communications in Mathematical Analysis, vol.19, no.2, pp.1-14, 2022 (ESCI)
- V. **Convex Contractions of Order n In CAT(0) Spaces**  
Yıldırım İ., Tekmanlı Y., Khan S. H.  
Jordan Journal of Mathematics and Statistics, vol.15, no.1, pp.123-137, 2022 (ESCI)
- VI. **Fixed Point Results for Interpolative Type Contractions via Mann Iteration Process**  
Yıldırım İ.  
Journal of Advanced Mathematical Studies, vol.15, no.1, pp.43-45, 2022 (Peer-Reviewed Journal)

- VII. **Convexity in G-metric spaces and approximation of fixed points by Mann iterative process**  
YILDIRIM İ., Khan S. H.  
International Journal of Nonlinear Analysis and Applications, 2022 (Peer-Reviewed Journal)
- VIII. **Krasnoselskii iteration process for approximating fixed points of enriched generalized nonexpansive mappings in Banach spaces**  
Simsek E., Yildirim İ.  
CARPATHIAN MATHEMATICAL PUBLICATIONS, vol.14, no.1, pp.86-94, 2022 (ESCI)
- IX. **Convexity in G-metric spaces and approximation of fixed points by Mann iterative proces**  
Yildirim İ., Khan S. H.  
International Journal of Nonlinear Analysis and Applications, vol.13, no.1, pp.1957-1964, 2022 (ESCI)
- X. **Fixed Point Theorem for Reich Contraction Mapping in Convex b-Metric Spaces**  
KARACA N., YILDIRIM İ.  
The Aligarh Bulletin of Mathematics (TABMATHS), 2021 (Peer-Reviewed Journal)
- XI. **Fixed point theorems on b-metric spaces endowed with an arbitrary binary relation**  
YILDIRIM İ.  
The Aligarh Bulletin of Mathematics (TABMATHS), 2021 (Peer-Reviewed Journal)
- XII. **SOME FIXED POINT RESULTS IN CONE  $A_b$ -METRIC SPACE OVER BANACH ALGEBRAS WITHOUT ASSUMPTION OF NORMALITY**  
YILDIRIM İ.  
Journal of Advanced Mathematical Studies, 2021 (Peer-Reviewed Journal)
- XIII. **On Hardy-Rogers Type Contraction Mappings in Cone  $A_b$ -metric spaces**  
YILDIRIM İ.  
Communications in Nonlinear Analysis, vol.9, no.2, pp.1-16, 2021 (Peer-Reviewed Journal)
- XIV. **Fixed point results for Zamfirescu mappings in A-metric spaces**  
YILDIRIM İ.  
Turkish Journal of Mathematics and Computer Science, vol.13, pp.221-225, 2021 (Peer-Reviewed Journal)
- XV. **On new fixed point results for some classes of enriched mappings in n-Banach spaces**  
ŞİMŞEK E., YILDIRIM İ.  
Communications in Nonlinear Analysis, vol.9, no.1, pp.1-15, 2021 (Peer-Reviewed Journal)
- XVI. **On the Stability and Convergence of Mann Iteration Process in Convex A-Metric Spaces**  
YILDIRIM İ.  
Transylvanian Journal of Mathematics and Mechanics, 2021 (Peer-Reviewed Journal)
- XVII. **Some convergence results for monotone nonexpansive mappings in ordered CAT(0) spaces**  
Uddin I., Garodia C., YILDIRIM İ.  
Acta Mathematica Universitatis Comenianae, vol.90, pp.195-208, 2021 (ESCI)
- XVIII. **Fixed Point Results for Some Contraction Type Mappings in A-metric spaces**  
YILDIRIM İ.  
Transylvanian Journal of Mathematics and Mechanics, 2021 (Peer-Reviewed Journal)
- XIX. **Some results on common zeros of two finite families of accretive operators**  
YILDIRIM İ., Gürsaç N., Khan S. H.  
Technology Reports of Kansai University, 2020 (Scopus)
- XX. **On The Existence Of Coincidence And Common Fixed Points Of Rational Type Contractions Via C-Class Functions In Branciari Distance Spaces**  
ANSARI A. H., YILDIRIM İ., AYDI H., FELHI A.  
APPLIED MATHEMATICS E-NOTES, vol.19, pp.654-667, 2019 (ESCI)
- XXI. **COUPLED FIXED POINT THEOREMS FOR RATIONAL TYPE CONTRACTIONS VIA C-CLASS FUNCTIONS**  
Ansari A. H., Moeini B., YILDIRIM İ., Oprea A. M.  
International Journal of Nonlinear Analysis and Applications, 2019 (Scopus)
- XXII. **Some new fixed point results in b-metric spaces**  
YILDIRIM İ., ANSARI A. H.  
Topol. Algebra Appl., 2018 (Peer-Reviewed Journal)

- XXIII. **New Fixed Point Results via C-class Functions in b-Rectangular Metric Spaces**  
ANSARI A. H., AYDI H., KUMARI S., YILDIRIM İ.  
COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.9, no.2, pp.109-126, 2018 (ESCI)
- XXIV. **COUPLED FIXED POINT THEOREMS WITH C-CLASS FUNCTIONS**  
Ansari A. H., ÖZDEMİR M., Khan M. S., YILDIRIM İ.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.33, no.1, pp.109-124, 2018 (ESCI)
- XXV. **Some results for nonexpansive mappings on metric spaces**  
YILDIRIM İ., KHAN S. H.  
New Trends in Mathematical Sciences, 2018 (Peer-Reviewed Journal)
- XXVI. **Convergence Rate of Implicit Iteration Process and a Data Dependence Result**  
YILDIRIM İ., ABBAS M.  
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.11, no.1, pp.189-201, 2018 (ESCI)
- XXVII. **On the rate of convergence of different implicit iterations in convex metric spaces**  
YILDIRIM İ.  
Konuralp Journal of Mathematics, 2018 (Peer-Reviewed Journal)
- XXVIII. **A CONVERGENCE ANALYSIS OF THREE-STEP NEWTON-LIKE METHOD UNDER WEAK CONDITIONS IN BANACH SPACES**  
KARACA N., YILDIRIM İ.  
Bulletin of the Transilvania University of Brasov, 2017 (Peer-Reviewed Journal)
- XXIX. **STRONG AND WEAK CONVERGENCE OF AN ITERATIVE PROCESS FOR A FINITE FAMILY OF MULTIVALUED MAPPINGS SATISFYING THE CONDITION (C)**  
YILDIRIM İ.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.66, no.1, pp.51-65, 2017 (ESCI)
- XXX. **Convergence of a Newton-like S-iteration process in R**  
KARACA N., ABBAS M., YILDIRIM İ.  
Creative Mathematics and Informatics, 2017 (Peer-Reviewed Journal)
- XXXI. **Fixed point theorems for mappings involving rational type expressions with C-class functions in partial metric spaces**  
YILDIRIM İ., ANSARI A. H., KHAN M. S., BRIAN F.  
Turk. J. Math. Comput. Sci., 2017 (Peer-Reviewed Journal)
- XXXII. **A new type of coupled fixed point theorem in partially ordered complete metric space**  
YILDIRIM İ.  
Journal of Mathematical Analysis, vol.7, pp.58-65, 2016 (ESCI)
- XXXIII. **APPROXIMATING FIXED POINTS OF TWO FINITE FAMILIES OF I-ASYMPTOTICALLY QUASI-NONEXPANSIVE MAPPINGS**  
YILDIRIM İ.  
JOURNAL OF NONLINEAR FUNCTIONAL ANALYSIS, 2016 (ESCI)
- XXXIV. **Common Fixed Points of Two Generalized Asymptotically Quasi Nonexpansive Mappings**  
KHAN S. H., YILDIRIM İ.  
Annals of the Alexandru Ioan Cuza University, 2015 (Peer-Reviewed Journal)
- XXXV. **APPROXIMATING FIXED POINTS OF NONEXPANSIVE MAPPINGS BY A FASTER ITERATION PROCESS**  
KARACA N., YILDIRIM İ.  
Journal of Advanced Mathematical Studies, 2015 (Peer-Reviewed Journal)
- XXXVI. **On convergence of a multi step iteration process with errors for a finite family of quasi nonexpansive multi valued mappings**  
YILDIRIM İ.  
Bulletin of Mathematical Analysis and Applications, vol.5, pp.61-74, 2013 (ESCI)
- XXXVII. **Some Fixed Point Results for Uniformly Quasi Lipschitzian Mappings in Convex Metric Spaces**  
YILDIRIM İ., Safer Hussain k., ÖZDEMİR M.  
Journal of Nonlinear Analysis and Optimization, vol.4, no.2, pp.143-148, 2013 (Peer-Reviewed Journal)

- XXXVIII. **Some Fixed Point Results For Uniformly Quasi Lipschitzian Mappings In Convex Metric Spaces**  
YILDIRIM İ., KHAN S. H., ÖZDEMİR M.  
Journal of Nonlinear Analysis and Optimization: Theory & Applications, vol.4, pp.143-148, 2013 (Peer-Reviewed Journal)
- XXXIX. **Some Results for Finite Families of Uniformly L Lipschitzian Mappings in Banach Spaces**  
KHAN S. H., YILDIRIM İ., ÖZDEMİR M.  
Thai Journal of Mathematics, vol.9, pp.295-307, 2011 (Scopus)
- XL. **Approximating Common Fixed Points of Two Asymptotically Quasi Nonexpansive Mappings in Banach Spaces**  
YILDIRIM İ., ÖZDEMİR M.  
Tamkang Journal of Mathematics, vol.42, pp.19-30, 2011 (Scopus)
- XLI. **Approximating Common Fixed Points of Two Asymptotically Quasi Nonexpansive Mappings in Banach Spaces**  
YILDIRIM İ., ÖZDEMİR M.  
Tamkang Journal of Mathematics, vol.42, no.1, pp.19-30, 2011 (Scopus)
- XLII. **Strong convergence to common fixed points of a finite family of Z operators in normed spaces**  
YILDIRIM İ., ÖZDEMİR M.  
International Journal of Engineering, Science and Technology, vol.2, pp.162-166, 2010 (Peer-Reviewed Journal)
- XLIII. **On the Convergence of a New Two Step Iteration in the Class of Quasi Contractive Operators**  
YILDIRIM İ., ÖZDEMİR M., KIZILTUNÇ H.  
Int. Journal of Math. Analysis,, vol.3, pp.1881-1892, 2009 (Peer-Reviewed Journal)
- XLIV. **On The Convergence of Implicit Iteration Process for Two Finite Families of Nonexpansive Mappings in Banach Spaces**  
YILDIRIM İ., ÖZDEMİR M.  
Jp Journal of Fixed Point Theory and Applications, vol.4, no.3, pp.209-223, 2009 (Peer-Reviewed Journal)
- XLV. **On the Convergence of Implicit Iteration Process for Two Finite Families of Nonexpansive Mapping in Banach Spaces**  
YILDIRIM İ., ÖZDEMİR M.  
JP Journal of Fixed Point Theory and Applications, vol.4, pp.209-223, 2009 (Peer-Reviewed Journal)
- XLVI. **On Common Fixed Point of Nonself Nonexpansive Mappings for Multistep Iteration in Banach Spaces**  
KIZILTUNÇ H., YILDIRIM İ.  
Thai Journal of Mathematics, vol.6, pp.343-349, 2008 (ESCI)

## **Books & Book Chapters**

- I. **Kümeler**  
YILDIRIM İ.  
in: MATEMATİK I , Editor, Açıköğretim Fakültesi Dekanlığı, 2016
- II. **Sayılar**  
YILDIRIM İ.  
in: MATEMATİK I , Editor, Açıköğretim Fakültesi Dekanlığı, 2016

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **INTERPOLATIVE CONTRACTIONS IN CONVEX b-METRIC SPACE**  
YILDIRIM İ., Şahin Y. S.  
2022 Proceedings of International E-Conference on Mathematical and Statistical Sciences: A Selçuk Meeting, 20 October 2022
- II. **ON THE COMPARISON OF IMPLICIT AND EXPLICIT S-ITERATIVE PROCESSES**

Yıldırım İ.

The 8th International Conference on Control and Optimization with Industrial Applications, 24 August 2022, pp.471-474

- III. **On Fixed Point Results for Mixed Nonexpansive Mappings**  
Yıldırım İ.  
International Conference on Mathematics and its Applications in Science and Engineering, 01 July 2021, pp.6-18
- IV. **GENERALIZED  $\alpha - \beta$ -NONEXPANSIVE MULTIVALUED MAPPINGS AND THEIR PROPERTIES**  
Karaca N., Yıldırım İ.  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.672-679
- V. **Some Fixed Point Results for Almost ( $\alpha$ ;  $q$ )-Convex Contractive Mappings via Simulation Function**  
Aktay M., Özdemir M., Yıldırım İ.  
II. INTERNATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS IN SCIENCE AND ENGINEERING (ICMASE 2021), Salamanca, Spain, 1 - 03 July 2021, pp.1-2
- VI. **ON HARDY ROGERS TYPE CONTRACTIONS IN A-METRIC SPACES**  
Yıldırım İ.  
1st Inter. E-Conf. in Math. Sciences and Fractional Calculus(ICMSFC Feb 2021), Al-Fayyum, Egypt, 16 - 18 February 2021, pp.1-6
- VII. **Fixed Point Theorems of Contractive Mappings in  $\Psi$ -cone Metric Spaces over Banach Algebras**  
YILDIRIM İ., ONSOD W., KUMAM P.  
International Econometric Conference of Vietnam, 14 - 16 January 2019
- VIII. **Fixed Point Results in Cone Banach Spaces**  
DEVELİ F., YILDIRIM İ.  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), 28 - 31 August 2018
- IX. **On the Local and Semi-Local Convergence of a New Newton-Like Method in Banach Spaces**  
KARACA N., YILDIRIM İ.  
4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017
- X. **Polynomiography Via Different Iterative Methods**  
KARACA N., YILDIRIM İ.  
4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017
- XI. **Various generalizations of fixed point results in b-metric spaces**  
YILDIRIM İ.  
Operators on Morrey-type spaces and applications, 10 - 13 July 2017
- XII. **Some results for nonexpansive mappings on metric spaces**  
YILDIRIM İ.  
International conference on applied analysis and mathematical modelling, 3 - 07 July 2017
- XIII. **A Fixed Point Proof of the Convergence of the Modified SP Iteration Process of Newton-Like**  
YILDIRIM İ.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017
- XIV. **Common fixed points of  $\phi$ -hemicontractive and nonexpansive operators in Banach spaces**  
YILDIRIM İ.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017
- XV. **Remarks on Picard Sequence in b -Metric Space**  
YILDIRIM İ.  
2nd international conference on advances in natural and applied sciences, 18 - 21 April 2017
- XVI. **Implicit S iteration process for contractive type mappings in W hyperbolic spaces**  
YILDIRIM İ.  
International Conference on Differential Geometry, Algebra and Analysis, 15 - 17 November 2016



- XVII. **On the convergence of implicit iteration processes in convex metric spaces**  
YILDIRIM İ.  
5th International Eurasian Conference on Mathematical Sciences and Applications, 16 - 19 August 2016
- XVIII. **Approximating common fixed points of I asymptotically quasi nonexpansive mappings**  
YILDIRIM İ.  
5th International Eurasian Conference on Mathematical Sciences and Applications, 16 - 19 August 2016
- XIX. **A FIXED POINT PROOF OF THE CONVERGENCE OF A NEWTON LIKE METHOD OBTAINED BY THE NORMAL S ITERATION PROCESS**  
KARACA N., YILDIRIM İ.  
International Conference on Analysis and Its Applications (ICAA-2016), 12 - 15 July 2016
- XX. **Some Coupled Fixed Point Theorems for Generalized Contractions**  
YILDIRIM İ.  
IV. Uluslararası Avrasya Matematik Bilimleri ve Uygulamaları, 29 August - 05 September 2015
- XXI. **Existence of Coupled Fixed Point for Kannan and Chatterjea-Type Contractions**  
KARACA N., YILDIRIM İ.  
28. Ulusal Matematik Sempozyumu, Turkey, 7 - 09 September 2015
- XXII. **Approximating Fixed Points of Nonexpansive Mappings by a Faster Iteration Process**  
KADIOĞLU N., YILDIRIM İ.  
Algerian-Turkish International days on Mathematics, 12 - 14 September 2013
- XXIII. **On the Convergence of an Iteration Method for Continuous Mappings on an Arbitrary Interval**  
KADIOĞLU N., YILDIRIM İ.  
International Congress in Honour of Professor H. M. Srivastava, 23 - 26 August 2012
- XXIV. **An Iteration Process For Two Finite Families Of Mappings**  
Khan S. H., YILDIRIM İ., Abbas M.  
World Congress on Engineering (WCE 2010), London, Canada, 30 June - 02 July 2010, pp.1967-1970

## Supported Projects

YILDIRIM İ., ÇELİK E., CENGİZ N., KADIOĞLU E., ÖZDEMİR M., KOPUZLU A., UĞUR T., KÜÇÜK A., GÜLTEKİN İ., KAZAZ C., et al., Project Supported by Higher Education Institutions, Workshop on Pure and Applied Mathematics 2019, (WOPAM 2019), 2019 - 2020

YILDIRIM İ., ÖZDEMİR M., KARACA N., Project Supported by Higher Education Institutions, BANACH UZAYLARINDA LİNEER OLMAYAN DENKLEMLERİN ÇÖZÜMÜ İÇİN GENELLEŞTİRİLMİŞ NEWTON METOTLARI VE BU METOTLAR YOLUYLA BAZI POLİNOMGRAFİLER, 2016 - 2018

## Scientific Refereeing

PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, Journal Indexed in ESCI, September 2023

APPLIED GENERAL TOPOLOGY, Journal Indexed in ESCI, April 2023

AIMS MATHEMATICS, SCI Journal, September 2022

Journal of Engineering Technology and Applied Sciences, Other Indexed Journal, August 2022

JOURNAL OF PRIME RESEARCH IN MATHEMATICS, SCI Journal, May 2022

Turkish Journal of Inequalities, Other Indexed Journal, December 2021

BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, Journal Indexed in SCI-E, June 2021

## Metrics

Publication: 92

Citation (WoS): 115  
Citation (Scopus): 121  
H-Index (WoS): 6  
H-Index (Scopus): 6

## **Congress and Symposium Activities**

2022 Proceedings of International E-Conference on Mathematical and Statistical Sciences: A Selçuk Meeting, Attendee, Konya, Turkey, 2022  
The 8th International Conference on Control and Optimization with Industrial Applications, Attendee, Baku, Azerbaijan, 2022  
The 11th International Symposium on Fixed Point Theory & Application, Audience, Ar Riyad, Saudi Arabia, 2021  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Attendee, Erzurum, Turkey, 2021  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Session Moderator, Erzurum, Turkey, 2021  
II. International Conference on Mathematics and its Applications in Science and Engineering (ICMASE-2021), Attendee, Ankara, Turkey, 2021  
7th International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Lviv, Ukraine, 2018  
Operators on Morrey-type spaces and applications, Attendee, Kırşehir, Turkey, 2017  
International conference on applied analysis and mathematical modelling, Attendee, İstanbul, Turkey, 2017  
2nd international conference on advances in natural and applied sciences, Attendee, Antalya, Turkey, 2017  
International Conference on Mathematics and Engineering, Attendee, İstanbul, Turkey, 2017  
4th International Conference on Pure and Applied Sciences: Renewable Energy, Attendee, İstanbul, Turkey, 2017  
International Conference on Differential Geometry, Algebra and Analysis, Attendee, India, 2016  
2nd International Conference on Analysis and Its Applications, Attendee, Kırşehir, Turkey, 2016  
5th International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Belgrade, Serbia And Montenegro, 2016  
4th International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Athens, Greece, 2015  
28. Ulusal Matematik Sempozyumu, Attendee, Antalya, Turkey, 2015  
V. Congress of Mathematicians of Macedonia, Attendee, Ohrid, Macedonia, 2014  
Proceeding of the World Congress on Engineering, Attendee, London, United Kingdom, 2010  
XXIII. Ulusal Matematik Sempozyumu, Attendee, Kayseri, Turkey, 2010  
XXII. Ulusal Matematik Sempozyumu, Attendee, İzmir, Turkey, 2009  
XX. Ulusal Matematik Sempozyumu, Attendee, Erzurum, Turkey, 2007

## **Non Academic Experience**

TUBITAK, Atatürk Üniversitesi, Matematik