

# Prof. Dr. Murat ÖZDEMİR

## Kişisel Bilgiler

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## Uluslararası Araştırmacı ID'leri

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## Eğitim Bilgileri

Doktora, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 1990 - 1994

## Yabancı Diller

İngilizce, B1 Orta

## Yaptığı Tezler

Doktora, ESAS GRUPLARIN DEMETLERİNİN SINIFLANDIRILMASI, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 1994

Yüksek Lisans, GRUP GRAFİKLERİ, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 1990

## Araştırma Alanları

Matematik, Fonksiyonel Analiz, Operatör Kuramı, Temel Bilimler

## Akademik Unvanlar / Görevler

Yrd. Doç. Dr., Atatürk Üniversitesi, Fen Fakültesi, Matematik, 1995 - 2005

## Akademik İdari Deneyim

Atatürk Üniversitesi, Fen Fakültesi, Matematik, 2002 - Devam Ediyor

Atatürk Üniversitesi, Fen Fakültesi, Matematik, 2014 - 2017

Atatürk Üniversitesi, Fen Fakültesi, Matematik, 2005 - 2011

## Verdiği Dersler

Analiz III, Lisans, 2023 - 2024

Genel Matematik I, Lisans, 2023 - 2024  
İleri Fonksiyonel Analiz I, Doktora, 2023 - 2024  
Matematik I, Lisans, 2023 - 2024  
Latex Yazılımı, Yüksek Lisans, 2017 - 2018  
Analiz-III, Lisans, 2017 - 2018  
Nonlineer ve Konveks Analiz-I, Doktora, 2017 - 2018

## Yönetilen Tezler

Özdemir M., C-Sınıfı Fonksiyonlar İçin İkili Sabit Nokta Teoremleri, Yüksek Lisans, R.AKDEMİR(Öğrenci), 2022  
Özdemir M., Sabit Nokta Teknikleriyle Görüntü İyileştirme, Yüksek Lisans, M.Anıl(Öğrenci), 2022  
Özdemir M., Zamfirescu Dönüşümünün Bazı Genelleştirmeleri, Yüksek Lisans, H.ERGÜL(Öğrenci), 2018  
ÖZDEMİR M., Genişlemeyen Dönüşümler İçin Sabit Nokta Yaklaşım Metotları Ve Varyasyonel Eşitsizlik Problemleri, Doktora, İ.Karahan(Öğrenci), 2015  
ÖZDEMİR M., DÜZGÜN QUASI-LIPSCHITZIAN DÖNÜŞÜMLERİN SONSUZ AİLELERİNİN ORTAK SABİT NOKTALARINA YENİ YAKLAŞIM METOTLARI, Doktora, S.Elmas(Öğrenci), 2014  
Özdemir M., Metrik ve Modüler Metrik Uzaylarda Daraltan Tipli Dönüşümler için Sabit Nokta Teoremleri, Doktora, M.ÖZKAN(Öğrenci), 2014  
ÖZDEMİR M., Özel Dönüşüm Sınıflarının Ortak Sabit Noktalarına S-Tipi İterativ Yaklaşımlar, Doktora, E.Türkmen(Öğrenci), 2013  
ÖZDEMİR M., Asimptotik Genişlemeyen Dönüşümlerin Ortak Sabit Noktaları İçin Yeni Yaklaşım Metotları, Doktora, İ.Yıldırım(Öğrenci), 2011  
ÖZDEMİR M., Sabit Nokta İterasyonlarının Yakınsama Hızları, Yüksek Lisans, S.Elmas(Öğrenci), 2010  
ÖZDEMİR M., Metrik Uzayda Sabit Nokta Teoremleri ve Uygulamaları, Yüksek Lisans, C.Ünlü(Öğrenci), 2004

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

- I. **Two generalized non-monotone explicit strongly convergent extragradient methods for solving pseudomonotone equilibrium problems and applications**  
Rehman H. u., Kumam P., ÖZDEMİR M., Karahan I.  
Mathematics and Computers in Simulation, cilt.201, ss.616-639, 2022 (SCI-Expanded)
- II. **AN INERTIAL NON-MONOTONIC SELF-ADAPTIVE ITERATIVE ALGORITHM FOR SOLVING EQUILIBRIUM PROBLEMS**  
Rehman H. U., Kumam P., Shehu Y., Ozdemir M., Kumam W.  
JOURNAL OF NONLINEAR AND VARIATIONAL ANALYSIS, cilt.6, sa.1, ss.51-67, 2022 (SCI-Expanded)
- III. **Three novel inertial explicit Tseng's extragradient methods for solving pseudomonotone variational inequalities**  
Rehman H. U., Kumam P., ÖZDEMİR M., Argyros I. K., Kumam W.  
OPTIMIZATION, cilt.71, sa.16, ss.4697-4730, 2022 (SCI-Expanded)
- IV. **On Pata Convex-Type Contractive Mappings**  
AKTAY M., ÖZDEMİR M.  
Journal of Function Spaces, cilt.2022, 2022 (SCI-Expanded)
- V. **Some Results on Generalized Pata-Suzuki Type Contractive Mappings**  
Aktay M., Özdemir M.  
JOURNAL OF MATHEMATICS, cilt.2021, 2021 (SCI-Expanded)
- VI. **The common solution for a generalized equilibrium problem, a variational inequality problem and a hierarchical fixed point problem**  
Karahan I., SEÇER A., ÖZDEMİR M., BAYRAM M.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2015 (SCI-Expanded)

- VII. **Convergence Theorems for Hierarchical Fixed Point Problems and Variational Inequalities**  
Karahan I, ÖZDEMİR M.  
JOURNAL OF APPLIED MATHEMATICS, 2014 (SCI-Expanded)
- VIII. **Fixed point problems of the Picard-Mann hybrid iterative process for continuous functions on an arbitrary interval**  
KARAHAN İ., ÖZDEMİR M.  
FIXED POINT THEORY AND APPLICATIONS, 2013 (SCI-Expanded)
- IX. **Picard Iteration Converges faster than Noor Iteration for a Class of Quasi-Contractive Operators**  
AKBULUT S., ÖZDEMİR M.  
CHIANG MAI JOURNAL OF SCIENCE, cilt.39, sa.4, ss.688-692, 2012 (SCI-Expanded)
- X. **An iteration process for common fixed points of two nonself asymptotically nonexpansive mappings**  
AKBULUT S., Khan S. H., ÖZDEMİR M.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, cilt.20, sa.1, ss.15-30, 2012 (SCI-Expanded)
- XI. **Determination of genetic distance between Turkish sheep breeds with various methods using some blood protein loci**  
Özdemir M., Bilgin Ö. C., Esenbuğa N.  
Journal of Animal and Plant Sciences, cilt.21, sa.3, ss.459-464, 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, cilt.32, sa.6, ss.682-694, 2011 (SCI-Expanded)
- XIII. **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, cilt.53, ss.707-715, 2011 (SCI-Expanded)
- XIV. **Approximating common fixed points of asymptotically quasi-nonexpansive mappings by a new iterative process**  
YILDIRIM İ., ÖZDEMİR M.  
Arabian Journal for Science and Engineering, cilt.36, sa.3, ss.393-403, 2011 (SCI-Expanded)
- XV. **Iterative Approximation of Common Fixed Points of Two Nonself Asymptotically Nonexpansive Mappings**  
TÜRKMEN E., KHAN S. H., ÖZDEMİR M.  
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2011 (SCI-Expanded)
- XVI. **COMMON FIXED POINTS FOR TWO NONEXPANSIVE NONSELF-MAPPINGS WITH ERRORS IN BANACH SPACES**  
KIZILTUNÇ H., ÖZDEMİR M., AKBULUT S.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.35, ss.215-224, 2010 (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, cilt.59, sa.9, ss.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 STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, cilt.18, sa.2, ss.281-294, 2010 (SCI-Expanded)
- XIX. **Convergence Theorems on a New Iteration Process for Two Asymptotically Nonexpansive Nonself-Mappings with Errors in Banach Spaces**  
ÖZDEMİR M., AKBULUT S., KIZILTUNÇ H.  
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2010 (SCI-Expanded)
- XX. **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, cilt.71, ss.991-999, 2009 (SCI-Expanded)

XXI. **On Common Fixed Points of Two Non self Nonexpansive Mappings in Banach Spaces**

KIZILTUNÇ H., ÖZDEMİR M., AKBULUT S.

Chiang Mai Journal Of Science, cilt.34, ss.281-288, 2007 (SCI-Expanded)

XXII. **On the subclass of p-valently functions**

AKBULUT S., KADIOĞLU E., ÖZDEMİR M.

Applied Mathematics and Computation, cilt.147, sa.1, ss.89-96, 2004 (SCI-Expanded)

XXIII. **Diagonal Lift in the Cotangent Bundle and its Applications**

AKBULUT S., ÖZDEMİR M., SALİMOV A. A.

Turkish Journal Of Mathematics, cilt.25, ss.491-502, 2001 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

I. **ON 0-CONVEX CONTRACTIVE MAPPINGS WITH APPLICATION TO INTEGRAL EQUATIONS**

ÖZKAN M., Ozdemir M., Yildirim I.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.73, sa.1, ss.13-24, 2024 (ESCI)

II. **İNTERPOLATİF KONVEKS VE HEMEN HEMEN KONVEKS TİPLİ KONTRAKTİF DÖNÜŞÜMLERİN SABİT NOKTALARI ÜZERİNE**

ÖZKAN M., KHAN S. H., ÖZDEMİR M.

JOURNAL OF SCIENCE AND ARTS, cilt.24, sa.1, ss.31-44, 2024 (ESCI)

III. **THE TSENG'S EXTRAGRADIENT METHOD FOR SEMISTRICHTLY QUASIMONOTONE VARIATIONAL INEQUALITIES**

Ur Rehman H., ÖZDEMİR M., Karahan I., Wairojjana N.

Journal of Applied and Numerical Optimization, cilt.4, sa.2, ss.203-214, 2022 (Scopus)

IV. **Common Fixed Point Results for a Class of  $(\alpha, \beta)$ -Geraghty Contraction Type Mappings in Modular Metric Spaces**

Aktay M., Özdemir M.

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.2020, sa.13, ss.150-161, 2020 (Hakemli Dergi)

V. **COUPLED FIXED POINT THEOREMS WITH C-CLASS FUNCTIONS**

Ansari A. H., ÖZDEMİR M., Khan M. S., YILDIRIM İ.

FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, cilt.33, sa.1, ss.109-124, 2018 (ESCI)

VI. **A New Iterative Projection Method For Approximating Fixed Point Problems And Variational Inequality Problems**

KARAHAN İ., ÖZDEMİR M.

Proceedings of the Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan, cilt.40, ss.68-79, 2014 (Hakemli Dergi)

VII. **Some common fixed point results for nonself asymptotically quasi nonexpansive mappings by a two step iterative process**

KHAN S. H., ÖZDEMİR M., AKBULUT S.

Indian Journal of Mathematics Special Volume Dedicated to Professor Billy E. Rhoades, cilt.56, ss.169-188, 2014 (Hakemli Dergi)

VIII. **Weak Convergence Theorem By A New Extragradient Method For Fixed Point Problems And Variational Inequality Problems**

KARAHAN İ., ÖZDEMİR M.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.63, ss.43-53, 2014 (Hakemli Dergi)

IX. **Convergence of a general iterative scheme for three infinite families of uniformly quasi Lipschitzian mappings in convex metric spaces**

- ELMAS S., ÖZDEMİR M.  
Advances in Fixed Point Theory, cilt.3, sa.2, ss.406-417, 2013 (Hakemli Dergi)
- X. **Some Fixed Point Results for Uniformly Quasi Lipschitzian Mappings in Convex Metric Spaces**  
YILDIRIM İ., Safeer Hussain k, ÖZDEMİR M.  
Journal of Nonlinear Analysis and Optimization, cilt.4, sa.2, ss.143-148, 2013 (Hakemli Dergi)
- XI. **A general iterative method for approximation of fixed points and their applications**  
KARAHAN İ., ÖZDEMİR M.  
Advances in Fixed Point Theory, cilt.3, ss.510-526, 2013 (Hakemli Dergi)
- XII. **Convergence of a general iterative scheme for three infinite families of uniformly quasi lipschitzian mappings in convex metric spaces**  
ELMAS S., ÖZDEMİR M.  
Advances in Fixed Point Theory, cilt.3, ss.406-417, 2013 (Hakemli Dergi)
- XIII. **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, cilt.4, ss.143-148, 2013 (Hakemli Dergi)
- XIV. **A New Two Step Iterative Process with Errors for Common Fixed Points in Banach Spaces**  
TÜRKMEN E., ÖZDEMİR M., AKBULUT S.  
Selçuk Journal of Applied Mathematics, cilt.12, ss.3-19, 2011 (Hakemli Dergi)
- XV. **Some Results for Finite Families of Uniformly L Lipschitzian Mappings in Banach Spaces**  
KHAN S. H., YILDIRIM İ., ÖZDEMİR M.  
Thai Journal of Mathematics, cilt.9, ss.295-307, 2011 (Scopus)
- XVI. **Approximating Common Fixed Points of Two Asymptotically Quasi Nonexpansive Mappings in Banach Spaces**  
YILDIRIM İ., ÖZDEMİR M.  
Tamkang Journal of Mathematics, cilt.42, ss.19-30, 2011 (Scopus)
- XVII. **Approximating Common Fixed Points of Two Asymptotically Quasi Nonexpansive Mappings in Banach Spaces**  
YILDIRIM İ., ÖZDEMİR M.  
Tamkang Journal of Mathematics, cilt.42, sa.1, ss.19-30, 2011 (Scopus)
- XVIII. **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, cilt.2, ss.162-166, 2010 (Hakemli Dergi)
- XIX. **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, cilt.3, ss.1881-1892, 2009 (Hakemli Dergi)
- XX. **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, cilt.4, sa.3, ss.209-223, 2009 (Hakemli Dergi)
- XXI. **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, cilt.4, ss.209-223, 2009 (Hakemli Dergi)
- XXII. **On Convergence Theorem for Nonself I Nonexpansive Mapping in Banach Spaces**  
KIZILTUNÇ H., ÖZDEMİR M.  
Applied Mathematical Sciences, cilt.1, ss.2379-2383, 2007 (Hakemli Dergi)
- XXIII. **On the Equivalence of Some Fixed Point Iterations**  
ÖZDEMİR M., AKBULUT S.  
Kyungpook Math. J., cilt.46, ss.211-217, 2006 (Hakemli Dergi)
- XXIV. **A Fixed Point Theorem for Multifunctions in Banach Space**  
ÖZDEMİR M.

Intern. Math. Journal, cilt.5, ss.347-352, 2004 (Hakemli Dergi)

XXV. **On the Generalized Whitney Sum of the Sheaves of the Fundamental Groups**

ÖZDEMİR M., AKBULUT S.

Int. Jour. of Applied Math, cilt.7, ss.91-99, 2001 (Hakemli Dergi)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

I. **Strong and D Convergence of Three step Iterative Schemes for Generalized Nonexpansive Mappings in Hyperbolic Spaces**

ÖZKAN M., KHAN S. H., ÖZDEMİR M.

International Conference on Advancement in Mathematical Sciences, 5 - 07 Kasım 2015

## **Desteklenen Projeler**

YILDIRIM İ., ÖZDEMİR M., KARACA N., Yükseköğretim Kurumları Destekli Proje, BANACH UZAYLARINDA LİNEER OLMAYAN DENKLEMLERİN ÇÖZÜMÜ İÇİN GENELLEŞTİRİLMİŞ NEWTON METOTLARI VE BU METOTLAR YOLUYLA BAZI POLİNOMGRAFİLER, 2016 - 2018

## **Metrikler**

Yayın: 53

Atf (WoS): 53

Atf (Scopus): 80

H-İndeks (WoS): 5

H-İndeks (Scopus): 6