

Assoc. Prof. BİROL GÜNDÜZ

Personal Information

Office Phone: [+90 446 224 3993](tel:+904462243993) Extension: 40098

Email: bgunduz@erzincan.edu.tr

Web: https://www.researchgate.net/profile/Birol_Guenduez

Address: Erzincan Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, ERZİNCAN

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi, Turkey 2011 - 2014

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi, Turkey 2008 - 2011

Undergraduate, Ataturk University, Fen Fakültesi, Matematik, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Hiperbolik Uzaylarda Özel Dönüşüm Sınıflarının Ortak Sabit Noktalarına İterativ Yaklaşımlar, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi, 2014

Postgraduate, Total Asimptotik I-Genişlemeyen Dönüşümler İçin Yeni Yaklaşım Metodları, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi, 2011

Research Areas

Mathematics, Functional Analysis, General Mathematics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2018

Research Assistant, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2015

Courses

Reel Analiz, Undergraduate, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Convergence Theorems of a Faster Iteration Process Including Multivalued Mappings with Analytical and Numerical Examples**
GÜNDÜZ B., Alagöz O., Akbulut S.
FILOMAT, vol.32, no.16, pp.5665-5677, 2018 (SCI-Expanded)
- II. **A One-Step-Two-Mappings Iterative Scheme for Multi-Valued Maps in W-Hyperbolic Spaces**
GÜNDÜZ B., Akbulut S.
FILOMAT, vol.32, no.4, pp.1403-1411, 2018 (SCI-Expanded)
- III. **Convergence Theorems for a Finite Family of I-asymptotically Nonexpansive Mappings in Banach Spaces**
GÜNDÜZ B., Akbulut S.
CHIANG MAI JOURNAL OF SCIENCE, vol.44, no.3, pp.1144-1153, 2017 (SCI-Expanded)
- IV. **Fixed Points of a Finite Family of I-Asymptotically Quasi-Nonexpansive Mappings in a Convex Metric Space**
Gunduz B.
FILOMAT, vol.31, no.7, pp.2175-2182, 2017 (SCI-Expanded)
- V. **Convergence theorems for a family of multivalued nonexpansive mappings in hyperbolic spaces**
Alagöz O., GÜNDÜZ B., Akbulut S.
OPEN MATHEMATICS, vol.14, pp.1065-1073, 2016 (SCI-Expanded)
- VI. **A one-step implicit iterative process for a finite family of I-nonexpansive mappings in Kohlenbach hyperbolic spaces**
Gunduz B., AKBULUT S.
MATHEMATICAL SCIENCES, vol.10, pp.55-61, 2016 (SCI-Expanded)
- VII. **A new multistep iteration for a finite family of asymptotically quasi-nonexpansive mappings in convex metric spaces**
GÜNDÜZ B.
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.3, pp.1365-1372, 2016 (SCI-Expanded)
- VIII. **Solving nonlinear phi-strongly accretive operator equations by a one-step-two-mappings iterative scheme**
Khan S. H., GÜNDÜZ B., Akbulut S.
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.8, no.5, pp.837-846, 2015 (SCI-Expanded)
- IX. **On convergence of an implicit iterative algorithm for non self asymptotically non expansive mappings**
GÜNDÜZ B., Khan S. H., Akbulut S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.43, no.3, pp.399-411, 2014 (SCI-Expanded)
- X. **STRONG AND Delta-CONVERGENCE THEOREMS IN HYPERBOLIC SPACES**
GÜNDÜZ B., Akbulut S.
MISKOLC MATHEMATICAL NOTES, vol.14, no.3, pp.915-925, 2013 (SCI-Expanded)
- XI. **STRONG CONVERGENCE OF AN EXPLICIT ITERATION PROCESS FOR A FINITE FAMILY OF ASYMPTOTICALLY QUASI-NONEXPANSIVE MAPPINGS IN CONVEX METRIC SPACES**
GÜNDÜZ B., Akbulut S.
MISKOLC MATHEMATICAL NOTES, vol.14, no.3, pp.905-913, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **FIXED POINTS OF MULTIVALUED NONEXPANSIVE MAPPINGS IN KOHLENBACH HYPERBOLIC SPACE**
GÜNDÜZ B., AYDOĞDU E., AYGÜN H.
Journal of Computational Analysis and Applications, vol.26, no.3, pp.509-519, 2019 (Scopus)
- II. **Convergence of SP iterative scheme for three multivalued mappings in hyperbolic space**
GÜNDÜZ B., KARAHAN İ.
Journal Of Computational Analysis And Applications, vol.25, no.5, pp.815-827, 2018 (Scopus)

- III. **An implicit iteration process for I-nonexpansive mappings in Kohlenbach hyperbolic spaces**
GÜNDÜZ B.
Palestine journal of mathematics, no.7, pp.512-520, 2018 (Scopus)
- IV. **Fixed point of nonself total asymptotically nonexpansive mappings in Banach spaces**
GÜNDÜZ B., Dutta H., KILIÇMAN a.
Applied Sciences, vol.20, pp.102-116, 2018 (Scopus)
- V. **A convergence theorem in generalized convex cone metric spaces**
GÜNDÜZ B.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, pp.147-155, 2018 (Peer-Reviewed Journal)
- VI. **NUMERICAL RECKONING FIXED POINTS FOR BERINDE MAPPINGS VIA A FASTER ITERATION PROCESS**
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.33, no.2, pp.295-305, 2018 (ESCI)
- VII. **Common Fixed Points of a Finite Family of I-Asymptotically Nonexpansive Mappings by S-Iteration Process in Banach Spaces**
GÜNDÜZ B., AKBULUT S.
THAI JOURNAL OF MATHEMATICS, vol.15, no.3, pp.673-687, 2017 (ESCI)
- VIII. **On the convergence of an iteration process for nonself totally asymptotically I-quasi-nonexpansive mappings**
GÜNDÜZ B., Dutta H.
Proceedings of the Jangjeon Mathematical Society, vol.2017, no.20, pp.377-389, 2017 (Scopus)
- IX. **A new two step iterative scheme for a finite family of nonself I-asymptotically nonexpansive mappings in Banach space**
GÜNDÜZ B.
New Trends in Mathematical Sciences, vol.2017, no.5, pp.16-28, 2017 (Peer-Reviewed Journal)
- X. **CONVERGENCE OF A NEW MULTISTEP ITERATION IN CONVEX CONE METRIC SPACES**
Gunduz B.
COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.32, no.1, pp.39-46, 2017 (ESCI)
- XI. **ON THE CONVERGENCE OF AN ITERATION PROCESS FOR TOTALLY ASYMPTOTICALLY I-NONEXPANSIVE MAPPINGS**
GÜNDÜZ B., Akbulut S.
Journal of Nonlinear Analysis and Optimization, no.7, pp.16-30, 2016 (Peer-Reviewed Journal)
- XII. **Common fixed points of two finite families of nonexpansive mappings in Kohlenbach hyperbolic spaces**
GÜNDÜZ B., Khan S. H., Akbulut S.
JOURNAL OF NONLINEAR FUNCTIONAL ANALYSIS, vol.2015, no.2, pp.1-15, 2015 (ESCI)
- XIII. **Convergence Theorems of a New Three-Step Iteration for Nonself Asymptotically Nonexpansive Mappings**
GÜNDÜZ B., Akbulut S.
THAI JOURNAL OF MATHEMATICS, vol.13, no.2, pp.467-482, 2015 (Scopus)
- XIV. **On Weak and Strong Convergence Theorems for a Finite Family of Nonself I-asymptotically Nonexpansive Mappings**
GÜNDÜZ B., Akbulut S.
Mathematica Moravica, vol.19, no.2, pp.49-64, 2015 (Peer-Reviewed Journal)
- XV. **Strong and ?-convergence of a faster iteration process in hyperbolic space**
Akbulut S., GÜNDÜZ B.
COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.30, no.3, pp.209-219, 2015 (Scopus)

- I. **Comparing Convergence Rate of $\mathbb{P}_k$ -Iteration with Some Faster Iteration Processes**
Alagöz O., GÜNDÜZ B., AKBULUT S.
INTERNATIONAL CONFERENCE ON MATHEMATICAL ADVANCES AND ITS APPLICATIONS, İstanbul, Turkey, 11 - 13 May 2018
- II. **On the Approximation of Fixed Points of Multivalued Nonexpansive Mappings**
GÜNDÜZ B., SOLMAZ F., Alagöz O., AKBULUT S.
INTERNATIONAL CONFERENCE ON MATHEMATICAL ADVANCES AND ITS APPLICATIONS, İstanbul, Turkey, 11 - 13 May 2018
- III. **On convergence of SP iteration scheme in hyperbolic space**
KARAHAN İ., GÜNDÜZ B.
International Conference in Functional Analysis dedicated to the 125th anniversary of STEFAN BANACH, Lviv, Ukraine, 18 - 23 September 2017
- IV. **Fixed point of continuous mappings defined on an arbitrary interval**
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.
Caucasian Mathematics Conference CMC II, Van, Turkey, 22 - 24 August 2017
- V. **Convergence Theorems for a Faster Iteration Process for Suzuki's Generalized Nonexpansive Mapping With Numerical Examples**
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
- VI. **Convergence Theorems of a Faster Iteration Process Including Multivalued Mappings with Analytical and Numerical Examples**
GÜNDÜZ B., ALAGÖZ O., AKBULUT S.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
- VII. **A New Iteration Process for Multivalued Nonexpansive Mappings in Banach Spaces**
GÜNDÜZ B.
2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 18 - 21 April 2017
- VIII. **Convergence Theorems for a Family of Multivalued Mappings in Hyperbolic Spaces**
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.
International Conference on Analysis and its Applications, Kırşehir, Turkey, 12 - 15 July 2016
- IX. **Modüler Fonksiyon Uzaylarında Küme Değerli Dönüşümlerin Sabit Noktaları**
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.
10. Ankara Matematik Günleri, Ankara, Turkey, 26 - 27 May 2016
- X. **Convergence of Picard Mann Hybrid Iterative Process in Hyperbolic Spaces**
GÜNDÜZ B., TÜRKMEN E., AKBULUT S.
International Conference on Advancements in Mathematical Sciences, Antalya, Turkey, 5 - 07 November 2015
- XI. **Konveks metrik uzaylarda I asimptotik quasi genişlemeyen dönüşümlerin sonlu bir ailesi için hatalı Ishikawa iterasyonunun yakınsaması**
GÜNDÜZ B., AKBULUT S.
7. Ankara Matematik Günleri, Ankara, Turkey, 13 - 14 June 2013

Supported Projects

ÖZKAN E., KIZILTUĞ S., GÜNDÜZ B., ERİŞİR T., ÖZDİN T., Taştan M., Project Supported by Higher Education Institutions, 31. Ulusal Matematik Sempozyumu, 2018 - 2018

Metrics

Publication: 37

Citation (WoS): 28

Citation (Scopus): 27

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H-Index (Scopus): 3