

## Asst. Prof. OSMAN ALAGÖZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: DUC-4870-2022

ScopusID: 57192904765

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### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi (Dr), Turkey 2011 - 2018

Undergraduate, Ataturk University, Fen Fakültesi, Matematik Bölümü, Turkey 2004 - 2008

### Courses

#### Undergraduate

ANALİZ III, Undergraduate, 2019 - 2020, 2016 - 2017

KOMPLEKS FONKSİYONLAR TEORİSİ I, Undergraduate, 2016 - 2017

ANALİZ IV, Undergraduate, 2016 - 2017, 2015 - 2016

### Supervised Theses

ALAGÖZ O., Kapalı aralıkta tanımlı berinde dönüşümleri için iterativ yaklaşımlar, Postgraduate, E.AKIN(Student), 2022

ALAGÖZ O., Genelleştirilmiş Sampling Durrmeyer operatörler ailesi ile ağırlıklı yaklaşım, Postgraduate,

M.PARLAK(Student), 2022

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

- I. **Approximation by sampling Kantorovich series in weighted spaces of functions**  
Acar T., ALAGÖZ O., Aral A., Costarelli D., Turgay M., Vinti G.  
Turkish Journal of Mathematics, vol.46, no.7, pp.2663-2676, 2022 (SCI-Expanded)
- II. **Approximation by Sampling Durrmeyer Operators in Weighted Space of Functions**  
ALAGÖZ O., Turgay M., Acar T., Parlak M.  
Numerical Functional Analysis and Optimization, vol.43, no.10, pp.1223-1239, 2022 (SCI-Expanded)
- III. **Convergence of generalized sampling series in weighted spaces**  
Acar T., ALAGÖZ O., Aral A., Costarelli D., Turgay M., Vinti G.  
Demonstratio Mathematica, vol.55, no.1, pp.153-162, 2022 (SCI-Expanded)
- IV. **Approximation by Gamma type operators**  
Nur Deveci S., Acar T., ALAGÖZ O.

Mathematical Methods in the Applied Sciences, vol.43, no.5, pp.2772-2782, 2020 (SCI-Expanded)

- V. **Convergence theorems of a faster iteration process including multivalued mappings with analytical and numerical examples**  
Gunduz B., ALAGÖZ O., AKBULUT S.  
Filomat, vol.32, no.16, pp.5665-5677, 2018 (SCI-Expanded)
- VI. **Convergence theorems for a family of multivalued nonexpansive mappings in hyperbolic spaces**  
ALAGÖZ O., Gunduz B., AKBULUT S.  
Open Mathematics, vol.14, no.1, pp.1065-1073, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Weighted approximations by sampling type operators: recent and new results**  
ALAGÖZ O.  
Constructive mathematical analysis (Online), vol.7, no.3, pp.114-125, 2024 (Peer-Reviewed Journal)
- II. **Approximation properties of multivariate exponential sampling series**  
Kurşun S., Turgay M., ALAGÖZ O., Acar T.  
Carpathian Mathematical Publications, vol.13, no.3, pp.666-675, 2021 (ESCI)
- III. **Convergence Theorems with a Faster Iteration Process for Suzuki's Generalized Non-expansive Mapping with Numerical Examples**  
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.Özel Sayı - 1, pp.162-174, 2020 (Peer-Reviewed Journal)
- IV. **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 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Approximation properties of multivariate sampling type operators**  
Kurşun S., Turgay M., ALAGÖZ O., ACAR T.  
International Online Workshop on Approximation Theory, Romania, 19 March 2021
- II. **Fixed point theorems in modular function spaces**  
ALAGÖZ O.  
ICMSA, 28 - 31 August 2020
- III. **Küme Değerli Dönüşümler için İterasyonların Yakınsama Hızları**  
GÜNDÜZ B., ALAGÖZ O., AKBULUT S.  
31. Ulusal Matematik Sempozyumu, Erzincan, Turkey, 12 - 15 September 2018
- IV. **Comparing Convergence Rate of  $M$ -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
- V. **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
- VI. **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

- VII. **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
- VIII. **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
- IX. **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
- X. **Modüler Fonksiyon Uzaylarında Küme Değerli Dönüşümlerin Sabit Noktaları**  
ALAGÖZ O., GÜNDÜZ B., AKBULUT S.  
11. Ankara Matematik Günleri, Ankara, Turkey, 26 - 27 May 2016