

## Asst. Prof. FUNDA BABAARSLAN

### Personal Information

**Email:** funda.kocabiyik@bozok.edu.tr

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### International Researcher IDs

ScholarID: wtyU57UAAAAJ

ORCID: 0000-0003-2716-7831

Yoksis Researcher ID: 178321

### Education Information

Doctorate, Erciyes University, Fen Fakültesi, Matematik Bölümü, Turkey 2011 - 2016

Postgraduate, Erciyes University, Fen Fakültesi, Matematik Bölümü, Turkey 2009 - 2011

Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2005 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Fuzzy sayıların çift dizilerinin alphası ile, dereceden istatistiksel yakınsaklığı, Erciyes University, Fen Fakültesi, Matematik Bölümü, 2016

Postgraduate, Fuzzy sayı dizilerinin lacunary istatistiksel yakınsaklığı, Erciyes University, Fen Fakültesi, Matematik Bölümü, 2011

### Research Areas

Sequences, Series, Summability, Functional Analysis, General Mathematics

### Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Faculty of Arts and Sciences, Matematik, 2017 - Continues

Lecturer, Yozgat Bozok University, Faculty of Arts and Sciences, Matematik, 2011 - 2017

### Academic and Administrative Experience

Head of Department, Yozgat Bozok University, Faculty of Arts and Sciences, Matematik, 2018 - Continues

### Courses

## **Postgraduate**

BULANIK KÜME TEORİSİ II, Postgraduate, 2019 - 2020  
BULANIK KÜME TEORİSİ I, Postgraduate, 2019 - 2020, 2018 - 2019  
UZMANLIK ALAN DERSİ-I, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
UZMANLIK ALAN DERSİ II, Postgraduate, 2019 - 2020, 2017 - 2018  
TEZ ÇALIŞMASI, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
İLERİ ANALİZ, Postgraduate, 2018 - 2019, 2017 - 2018  
DİZİ UZAYLARI VE MATRİS DÖNÜŞÜMLERİ II, Postgraduate, 2017 - 2018  
İLERİ ANALİZ II, Postgraduate, 2017 - 2018

## **Undergraduate**

BİTİRME TEZİ II, Undergraduate, 2019 - 2020, 2016 - 2017, 2011 - 2012  
OLASILIK VE İSTATİSTİK 2, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2012 - 2013, 2011 - 2012  
BİTİRME TEZİ I, Undergraduate, 2019 - 2020, 2011 - 2012  
OLASILIK VE İSTATİSTİK 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2012 - 2013  
ANALİZ IV, Undergraduate, 2019 - 2020, 2016 - 2017, 2015 - 2016  
ANALİZ III, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016  
NORMLU UZAYLAR I, Undergraduate, 2018 - 2019, 2017 - 2018  
MATEMATİK I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013  
NORMLU UZAYLAR II, Undergraduate, 2017 - 2018  
YÜKSEK MATEMATİK II, Undergraduate, 2017 - 2018, 2016 - 2017, 2012 - 2013  
ANALİZ II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
BİTİRME TEZİ, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2012 - 2013  
ANALİZ I, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
MATEMATİK II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2011 - 2012  
YÜKSEK MATEMATİK I, Undergraduate, 2017 - 2018, 2012 - 2013, 2011 - 2012  
FONKSİYONEL ANALİZ II, Undergraduate, 2016 - 2017  
MATEMATİK-1, Undergraduate, 2016 - 2017, 2015 - 2016  
FONKSİYONEL ANALİZ 1, Undergraduate, 2016 - 2017  
DİFERANSİYEL DENKLEMLER II, Undergraduate, 2015 - 2016, 2014 - 2015  
DİFERANSİYEL DENKLEMLER I, Undergraduate, 2015 - 2016, 2013 - 2014  
MATEMATİK, Undergraduate, 2014 - 2015, 2012 - 2013, 2011 - 2012  
MATEMATİK-2, Undergraduate, 2012 - 2013  
MÜHENDİSLİK İÇİN OLASILIK TEORİSİ, Undergraduate, 2012 - 2013, 2011 - 2012  
MATEMATİK 1, Undergraduate, 2012 - 2013, 2011 - 2012  
DİFERANSİYEL DENKLEMLER, Undergraduate, 2012 - 2013  
LİNEER UZAYLAR I, Undergraduate, 2012 - 2013  
DİFERANSİYEL DENKLEMLER, Undergraduate, 2011 - 2012  
GENEL MATEMATİK 1, Undergraduate, 2011 - 2012  
METRİK UZAY, Undergraduate, 2011 - 2012  
GENEL MATEMATİK-2, Undergraduate, 2011 - 2012  
MÜHENDİSLİK MATEMATİĞİ 1, Undergraduate, 2011 - 2012

## **Supervised Theses**

Babaarslan F., Fuzzy sayı dizilerinin kaba  $\lambda$ -istatistiksel yakınsaklığı, Postgraduate, O.DEVECİ(Student), 2023  
Babaarslan F., ÇİFT BULANIK SAYI DİZİLERİNİN KABA İSTATİSTİKSEL YAKINSAKLIĞI, Postgraduate, M.EMİN(Student), 2023  
Babaarslan F., Fuzzy sayı dizilerinin kaba lacunary istatistiksel yakınsaklığı, Postgraduate, B.Ülkü(Student), 2021

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

- I. **ROUGH CONVERGENCE OF DOUBLE SEQUENCES OF FUZZY NUMBERS**  
BABAARSLAN F., TUNCER A. N.  
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.10, no.4, pp.1335-1342, 2020 (SCI-Expanded)
- II.  **$\lambda$ -Statistical limit points of order  $\beta$  of sequences of fuzzy numbers**  
TUNCER A. N., BABAARSLAN F.  
POSITIVITY, vol.19, no.2, pp.385-394, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Rough Ideal Convergence of Double Sequences of Fuzzy Numbers**  
Babaarslan F., Çayar M. E.  
Bozok Journal of Science, vol.2, no.1, pp.30-37, 2024 (Peer-Reviewed Journal)
- II. **ON THE STATISTICAL CONVERGENCE OF NESTED SEQUENCES OF SETS**  
Albayrak H., Babaarslan F., Ölmez Ö., Aytar S.  
Problemy Analiza, vol.11, no.29, pp.3-14, 2022 (ESCI)
- III. **STATISTICAL CONVERGENCE OF ORDER ALPHATİLDE OF DOUBLE SEQUENCES OF FUZZY NUMBERS**  
Tuncer A. N., Babaarslan F.  
Journal of Advanced Mathematical Studies, vol.11, no.1, pp.132-141, 2018 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Rough  $\lambda$ -Statistical Cluster Points of Sequences of Fuzzy Numbers**  
Babaarslan F., Deveci O.  
ICOMAA 2024 7th International HYBRID Conference on Mathematical Advances and Applications, İstanbul, Turkey, 8 - 11 May 2024, pp.94
- II. **SEQUENTIALLY CONTINUITY IN IDEAL TOPOLOGICAL SPACES**  
Akiz H. F., Babaarslan F.  
V. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 5 - 07 November 2023, pp.712-718
- III. **ROUGH STATISTICAL CONVERGENCE OF DOUBLE SEQUENCES OF FUZZY NUMBERS**  
Babaarslan F., Çayar M. E.  
V. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 5 - 07 November 2023, pp.706-711
- IV. **Rough Statistical Cluster Points of Sequences of Fuzzy Numbers**  
Babaarslan F.  
Western Balkan Conference on Mathematics and Applications, Priştine, Kosovo, 1 - 03 September 2022, pp.52-53
- V. **Rough Lacunary Statistical Convergence of Sequences of Fuzzy Numbers**  
Babaarslan F.  
First Western Balkan Conference on Mathematics and Applications, Priştine, Kosovo, 10 - 12 June 2021, pp.143-153
- VI. **Çift Fuzzy sayı dizilerinin alphantildeninci dereceden  $\lambda$  istatistiksel yakınsaklığı**  
Babaarslan F., Tuncer A. N.  
12. Ankara Matematik Günleri, Ankara, Turkey, 25 - 26 May 2017, pp.78

## Supported Projects

AKIZ H. F., BABAARSLAN F., Project Supported by Higher Education Institutions, İdeal Topolojik Uzaylarda Dizisel Süreklilik, 2023 - 2024

## **Metrics**

Publication: 11

Citation (WoS): 2

H-Index (WoS): 1