

## Asst. Prof. SEDA ÖZTÜRK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAS-4414-2020

ScopusID: 51764206400

Yoksis Researcher ID: 292579

### Education Information

Doctorate, Karadeniz Technical University, -, Matematik, Turkey 2013 - 2017

Postgraduate, Karadeniz Technical University, -, Matematik, Turkey 2011 - 2013

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Matematik , Turkey 2007 - 2011

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, Karadeniz Teknik Üniversitesi Uzaktan Eğitim Uygulama ve Araştırma Merkezi: Yeni Normalde Akademisyenler İçin Uzaktan Eğitimde Kişisel Verilerin ve Gizliliğin Korunması, Karadeniz Teknik Üniversitesi, 2021

Vocational Training, Araştırma Kalitesi ve Performans: InCites&Journal Citation Report, Web of Science Group, A Clarivate Analytics Company , 2020

Vocational Training, Research Quality and Performance: InCites&Journal Citation Reports, Web of Science Group,A Clarivate Analytics Company , 2020

Education Management and Planning, TÜBİTAK Fen ve Mühendislik Bilimlerinde Araştırma Projesi Hazırlama Eğitimi, Karadeniz Technical University-TUBITAK, 2015

### Dissertations

Doctorate, Kongrüans Alt Gruplarının Grafları, Karadeniz Technical University, Fen Fakültesi, Matematik, 2017

Postgraduate, Kompleks Hilbert Uzaylarında  $(R,+)$  Grubunun Periyodik Sürekli Üniter Gösterimlerine Göre Dik İzdüşümler, Karadeniz Technical University, Fen Fakültesi, Matematik, 2013

### Research Areas

General Topology

## Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Matematik, 2020 - Continues

Assistant Professor, University Of Eurasia, Faculty Of Economics And Administrative Sciences, Department Of Banking And Finance, 2018 - 2020

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Karadeniz Technical University, Fen Fakültesi, Matematik, 2022 - Continues

Director of Vocational School, University Of Eurasia, Vocational School, 2018 - 2020

## Courses

Mathematics I, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Mathematics II, Undergraduate, 2023 - 2024, 2022 - 2023

Genel Topoloji, Undergraduate, 2023 - 2024, 2021 - 2022

Matematik I, Undergraduate, 2024 - 2025

Calculus on Manifolds, Postgraduate, 2024 - 2025

Seminer I, Undergraduate, 2024 - 2025

Matematik I, Undergraduate, 2024 - 2025

Mathematics I, Undergraduate, 2023 - 2024, 2022 - 2023

Bitirme Çalışması, Undergraduate, 2022 - 2023, 2020 - 2021

Seminer II, Undergraduate, 2022 - 2023, 2021 - 2022

Mathematics II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

İLERİ TOPOLOJİ, Postgraduate, 2022 - 2023

Mathematics II, Undergraduate, 2021 - 2022, 2020 - 2021

Mathematics I, Undergraduate, 2022 - 2023

Matematik I, Undergraduate, 2021 - 2022

Genel Matematik, Undergraduate, 2021 - 2022

Matematik I, Undergraduate, 2021 - 2022, 2020 - 2021

Mathematics, Undergraduate, 2020 - 2021

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

- I. **A Generalization of the Suborbital Graphs Generating Fibonacci Numbers for the Subgroup  $\Gamma(3)$**   
Öztürk S.  
FILOMAT, vol.34, no.2, pp.631-638, 2020 (SCI-Expanded)
- II. **On Periodic Solutions To Nonlinear Differential Equations In Banach Spaces**  
Cavus A., Khadjiev D., Ozturk S.  
FILOMAT, vol.30, no.4, pp.1069-1076, 2016 (SCI-Expanded)
- III. **On A Characterization of Compactness and the Abel-Poisson Summability of Fourier Coefficients In Banach Spaces**  
ÖZTÜRK S.  
FILOMAT, vol.30, no.4, pp.1061-1068, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fibonacci Numbers Sequence Derived From Suborbital Graphs for the Modular Group  $\Gamma$**

- Öztürk S.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.11, no.2, pp.308-315, 2024 (Peer-Reviewed Journal)
- II. **Solutions of congruence equations via an imprimitive action of some modular subgroups**  
Öztürk S., Kesicioğlu Y., Şengül H.  
Advanced Studies: Euro-Tbilisi Mathematical Journal , vol.16, no.3, pp.139-143, 2023 (ESCI)
- III. **More Fibonacci Numbers Arising from the Suborbital Graphs for the Congruence Subgroup  $\Gamma_0(n/h)$**   
Öztürk S.  
AIP CONFERENCE PROCEEDINGS, vol.1863, pp.3000161-3000166, 2017 (Peer-Reviewed Journal)
- IV. **Some compactness tests in Banach spaces by Cesaro means of Fourier coefficients**  
Öztürk S.  
AIP CONFERENCE PROCEEDINGS, vol.1676, pp.200691-200696, 2015 (Scopus)
- V. **The orthogonal projections with respect to a periodic continuous unitary representation of the group  $(\mathbb{R}, +)$  on a complex Hilbert space**  
Öztürk S.  
AIP CONFERENCE PROCEEDINGS, vol.1611, no.1, pp.276-282, 2014 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **On parabolic class number of some homogeneous principal congruence subgroup of the modular group**  
Öztürk S.  
The 7th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas , Antalya, Turkey, 26 - 29 October 2024, pp.315
- II. **Solutions of some special congruence equations by permutation groups**  
Öztürk S.  
The 7th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas, Antalya, Turkey, 26 - 29 October 2024, pp.314
- III. **Solving Congruence Equations through Imprimitive Action**  
Öztürk S.  
7th International HYBRID Conference on Mathematical Advances and Applications, İstanbul, Turkey, 8 - 11 May 2024, pp.164
- IV. **Solutions of Congruence Equations via An Imprimitive Action of Some Modular Subgroups**  
Öztürk S., Kesicioğlu Y., Şengül H.  
2nd INTERNATIONAL E-CONFERENCE ON MATHEMATICAL AND STATISTICAL SCIENCES: A SELCUK MEETING, Konya, Turkey, 5 - 07 June 2023, pp.181
- V. **A Special Number Sequence Derived From Suborbital Graphs for the Modular Group  $\Gamma$**   
Öztürk S.  
Mediterranean International Conference of Pure & Applied Mathematics and Related Areas 2022, Antalya, Turkey, 27 October 2022, pp.205
- VI. **Graflar ve Fibonacci Dizisi**  
Öztürk S.  
Prof. Dr. Cemil YAPAR Anısına Ulusal Matematik ve İstatistik Sempozyumu, Ordu, Turkey, 10 - 11 December 2021, pp.43
- VII. **Some Results On Suborbital Graphs**  
Öztürk S.  
The Mediterranean International Conference of Pure&Applied Mathematics and Related Areas, Antalya, Turkey, 26 October 2018, pp.132-135
- VIII. **A Generalization of the Suborbital Graphs Generating Fibonacci Numbers for the Subgroup  $\Gamma_3$**   
Öztürk S.

The Mediterranean International Conference of Pure&Applied Mathematics and Related Areas, Antalya, Turkey, 26 October 2018, pp.43

- IX. **Some Number Theoretical Results Related To The Suborbital Graphs For The Congruence Subgroup  $\Gamma_0(n/h)$**   
Öztürk S.  
3rd International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference , Mersin, Turkey, 29 August 2016, pp.53
- X. **On The Existence of Periodic Solutions To Some Non-Linear Differential Equations in Banach Spaces**  
Çavuş A., Khadjiev D., Öztürk S.  
International Conference on Advancement In Mathematical Sciences, Antalya, Turkey, 05 November 2015, pp.88
- XI. **On Periodic Solutions to Nonlinear Differential Equations In Banach Spaces**  
Çavuş A., Khadjiev D., Öztürk S.  
The 28 Th International Conference Of Jangjeon Mathematical Society, Antalya, Turkey, 15 May 2015, pp.64
- XII. **On A Characterization Of Compactness And The Abel-Poisson Summability Of Fourier Coefficients In Banach Spaces**  
Öztürk S.  
The 28th International Conference Of Jangjeon Mathematical Society, Antalya, Turkey, 15 May 2015, pp.65
- XIII. **The Abel-Poisson Summability Of Fourier Series In A Banach Space With Respect To A Continuous Linear Representation**  
Öztürk S.  
International Congress in Honour of Professor Ravi P. Agarwal, Bursa, Turkey, 23 June 2014, pp.82
- XIV. **On Periodic Solutions of Nonlinear Differential Equations in Banach Spaces**  
Çavuş A., Khadjiev D., Öztürk S.  
International Congress In Honour Of Professor Ravi P. Agarwal, Bursa, Turkey, 23 June 2014, pp.88
- XV. **The Orthogonal Projections With Respect To a Periodic Continuous Unitary Representations Of  $(R, +)$  Group On Complex Hilbert Spaces**  
Öztürk S.  
Algerian-Turkish International days on Mathematics 2013, İstanbul, Turkey, 12 September 2013, pp.113-114

## Metrics

Publication: 23

## Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı , TUBITAK, 2013 - 2017

## Awards

Öztürk S., Young Scientist Excellence Award , The 28Th International Conference Of The Jangjeon Mathematical Society, May 2015

Öztürk S., Lisans Bölüm Birinciliği, Karadeniz Teknik Üniversitesi/ Fen Fakültesi/ Matematik Bölümü, June 2011