

Lect. PhD Hatice ÇAY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-3025-2018

ScopusID: 57219499008

Yoksis Researcher ID: 255497

Biography

In 2013, Dr. Hatice Çay graduated from Marmara University, Department of Mathematics and in 2016, she completed her master's degree at Marmara University with a thesis titled "Ideal Theory in Commutative Semigroups". In 2024, she completed her PhD in Mathematics at Yıldız Technical University. His doctoral thesis topic is "S-ideals in non-commutative rings". Since 2016, she has been teaching Mathematics and Statistics courses at Istanbul Medipol University. Her research area is connected to the discipline of Algebra and Number Theory, especially commutative rings and ideals, non-commutative rings and ideals.

Education

Doctorate, Yıldız Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey 2020 - 2024

Undergraduate, Anadolu University, Açıköğretim Fakültesi, Sosyoloji Bölümü (Aöf), Turkey 2016 - 2021

Postgraduate, Marmara University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2013 - 2016

Undergraduate, Marmara University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, Ticarete Yapay Zeka, Uzaktan Eğitim Kapısı , 2025

IT, Kamu Düzeni ve Güvenliğinde Yapay Zeka, Uzaktan Eğitim Kapısı , 2025

IT, Sağlıkta Yapay Zeka, Uzaktan Eğitim Kapısı , 2025

IT, Tarımda Yapay Zeka , Uzaktan Eğitim Kapısı , 2025

IT, Hukukta Yapay Zeka , Uzaktan Eğitim Kapısı , 2025

IT, Finanstta Yapay Zeka, Uzaktan Eğitim Kapısı , 2025

IT, Çalışma Hayatında Yapay Zeka , Uzaktan Eğitim Kapısı , 2025

IT, Çevre, Şehircilik ve İklim Değişikliğinde Yapay Zekâ, Uzaktan Eğitim Kapısı, 2025

IT, Enerjide Yapay Zeka, Enerji ve Tabii Kaynaklar Bakanlığı-Uzaktan Eğitim Kapısı, 2025

IT, Güvenilir Yapay Zekâ: Riskler, Etik Değerler ve İlkeler, Dijital Dönüşüm Ofisi Başkanlığı, 2025

Personal Evolution, Topluluk Önünde Konuşma, Türkiye Radyo-Televizyon Kurumu, 2025
Measurement and Evaluation, Eğiticinin Eğitimi, İstanbul Medipol Üniversitesi, 2023
Vocational Training, Formasyon, Marmara Üniversitesi, 2015

Dissertations

Doctorate, Değişmeli Olmayan Halkalarda S-idealler, Yıldız Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2024
Postgraduate, Değişmeli yarıgruplarda ideal teori, Marmara University, Faculty Of Arts And Sciences, Mathematics, 2016

Research Areas

Cryptography, Quantum Cryptography, Mathematics, Associative Rings and Algebras, Nonassociative Rings and Algebras, Commutative Rings and Algebras, Functional Analysis, General Algebraic Systems, Numerical Analysis

Academic Positions

Lecturer PhD, İstanbul Medipol University, Meslek Yüksekokulu, Elektronik Ve Otomasyon Bölümü, 2016 - Continues

Courses

Undergraduate

Matematik 2, Undergraduate, 2024 - 2025
MATEMATİK (KALKÜLÜS), Undergraduate, 2017 - 2018

Associate Degree

Programlamada Matematik, Associate Degree, 2022 - 2023
Matematik 2, Associate Degree, 2017 - 2018
MATEMATİK 1, Associate Degree, 2017 - 2018
İSTATİSTİK, Associate Degree, 2017 - 2018, 2016 - 2017
TEMEL MATEMATİĞE GİRİŞ, Associate Degree, 2016 - 2017

Designed Lessons

Associate Degree

Çay H., Programlamada Matematik, Associate Degree, 2020 - 2021

Journal articles indexed in SCI, SSCI, and AHCI

- S-J-Ideals: A Study in Commutative and Noncommutative Rings**
Abouhalaka A., Çay H., Ersoy B. A.
Journal of Mathematics, vol.2024, no.1, pp.1-10, 2024 (SCI-Expanded)
- Generalization of ρ -ideals associated with an m -system and a special radical class**
Çay H., Abouhalaka A., Ersoy B. A.
RICERCHE DI MATEMATICA, pp.1-16, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **On weakly S-p-ideals in noncommutative rings**
Abouhalaka A., Çay H., Groenewald N.
Gulf Journal of Mathematics , vol.18, no.2, pp.1-15, 2024 (Scopus)
- II. **Banach Contraction Principle in Cone Modular Spaces with BanachAlgebra**
Özavşar M., Çay H.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.19, no.2, pp.335-342, 2019 (Peer-Reviewed Journal)
- III. **On 2-absorbing and strongly 2-absorbing ideals of commutative semigroups**
Çay H., Mostafanasab H., Ulucak G., Tekir Ü.
Analele Stiintifice ale Universitatii Al I Cuza din Iasi - Matematica, vol.3, no.F2, pp.871-881, 2016 (Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Some Generalizations of S-ideals in noncommutative rings**
Çay H., Ersoy B. A., Özdemir F.
ICOMAA 2024, İstanbul, Turkey, 8 - 11 May 2024, (Summary Text)
- II. **Some Results on (k,l)-Almost Contractions in Cone Metric Spaces over Banach Algebras**
ÖZAVŞAR M., ÇAY H.
ICFAS2018, 18 - 22 June 2018, (Summary Text)
- III. **Common Fixed Point of Noncommuting Almost Contraction Mapping in Cone b-Metric Spaceover Banach Algebra**
ÖZAVŞAR M., ÇAY H.
ICOMAA 2018, İstanbul, Turkey, 11 - 13 May 2018, (Summary Text)
- IV. **Common Fixed Point of Noncommuting Almost Contraction Mapping in Cone Metric Space over Banach Algebra**
ÖZAVŞAR M., ÇAY H.
ICOMAA2018, 11 - 13 May 2018, (Summary Text)
- V. **Some coupled coincidence point results for contractions on cone b-metric spaces over Banach algebras**
ÇAY H., ÖZAVŞAR M.
International Conference on Mathematics and Engineering 2017, 10 - 12 May 2017, (Summary Text)
- VI. **Ideal Theory Of Commutative Semigroups**
TEKİR Ü., ÇAY H., ULUCAK G.
AMAT2015, 28 May 2015 - 31 May 2017, (Summary Text)

Other Publications

- I. **Arakçılar**
Çay H.
Other, pp.111-112, 2024
- II. **Yazarak Başa Çıkma Hikâyesi: Serre Moı Fort**
Çay H.
Other, pp.98-101, 2024
- III. **Vertigo Sarmalında Kendini Gerçekleştiren Kehanet**
Çay H.
Other, pp.111-112, 2023
- IV. **Signe Karakteri Üzerinden Histrionik Kişilik Bozukluğu İncelemesi**

Çay H.

Other, pp.108-109, 2023

V. **Sessizlik**

Çay H.

Other, pp.60-61, 2023

Metrics

Publication: 16

Citation (Scopus): 4

H-Index (Scopus): 1

Congress and Symposium Activities

ICOMAA 2024, Attendee, İstanbul, Turkey, 2024

YTÜ Matematik Bölüm Seminerleri, Audience, İstanbul, Turkey, 2023

YTÜ Matematik Bölüm Seminerleri , Audience, İstanbul, Turkey, 2021

Gebze Teknik Üniversitesi Matematik Bölümü Genel Seminerleri, Audience, Kocaeli, Turkey, 2021

Yıldız Teknik Matematik Bölüm Seminerleri , Audience, İstanbul, Turkey, 2021

FBE GradTalks 8, Audience, İstanbul, Turkey, 2021

Tübitak-ARDEB 1001 Proje Yazma Eğitimi, Audience, İstanbul, Turkey, 2021

Yıldız Teknik Üniversitesi , Audience, İstanbul, Turkey, 2021

İstanbul Üniversitesi Matematik Bölümü Seminerleri, Audience, İstanbul, Turkey, 2020

İstanbul Bilgi Üniversitesi Bilgisayar Mühendisliği Bölüm Seminerleri, Audience, İstanbul, Turkey, 2020