

Asst. Prof. Zeynep Demirkol Özkaya

Personal Information

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International Researcher IDs

ORCID: 0000-0003-1236-1797

Yoksis Researcher ID: 336292

Education Information

Undergraduate, Zonguldak Bülent Ecevit University, Faculty Of Engineering, Turkey 2020 - Continues

Doctorate, Bilecik Seyh Edebali University, Institute Of Graduate Programs, Matematik, Turkey 2017 - 2022

Postgraduate, Bilecik Seyh Edebali University, Institute Of Science, Matematik Anabilim Dalı, Turkey 2013 - 2017

Undergraduate, Zonguldak Bülent Ecevit University, Faculty Of Arts And Sciences, Turkey 2009 - 2013

Undergraduate, Gazi University, Fen Fakültesi, Matematik, Turkey 2007 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Yarım Tamsayı Ağırlıklı Modüler Formlar Üzerinde Sato-Tate Benzeri Problemler Üzerine, Bilecik Seyh Edebali University, Institute Of Graduate Programs, 2022

Postgraduate, Yarım tamsayı ağırlıklı modüler formlar üzerine, Bilecik Seyh Edebali University, Institute Of Graduate Programs, Matematik, 2017

Research Areas

Mathematics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Muradiye Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2022 - Continues

Lecturer PhD, Van Yüzüncü Yil University, Muradiye Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2021 - 2022

Academic and Administrative Experience

Head of Department, Van Yüzüncü Yil University, Muradiye Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2022 - Continues

Assistant Director of Vocational School, Van Yüzüncü Yil University, Muradiye Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2021 - Continues

Courses

Optisyonluk Uygulamaları I, Associate Degree, 2022 - 2023

Çevre Bilinci, Associate Degree, 2022 - 2023

Optik Aletler, Associate Degree, 2022 - 2023

Matematik II, Associate Degree, 2021 - 2022

Matematik 1, Associate Degree, 2021 - 2022

Matematik, Associate Degree, 2021 - 2022

Jury Memberships

Doctoral Examination, Doctoral Examination, Bilecik Şeyh Edebali Üniversitesi, March, 2023

Post Graduate, Post Graduate, Bilecik Şeyh Edebali Üniversitesi, February, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the distribution of coefficients of half-integral weight modular forms and the Bruinier-Kohnen conjecture**

Inam I., Demirkol Özkaya Z., Tercan E., Wiese G.

TURKISH JOURNAL OF MATHEMATICS, vol.45, pp.2427-2440, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **ON THE PELL-EISENSTEIN SERIES OF POWER m**

Inam I., Özkan E., Özkaya Z., Uysal M.

Bulletin of the Transilvania University of Brasov, Series III: Mathematics and Computer Science, vol.2, no.1, pp.77-82, 2022 (Scopus)

- II. **A Cusp Form Example as An Eta Product**

Demirkol Özkaya Z., Avcı U., İnam İ.

International Journal of Advanced Multidisciplinary Research and Studies, vol.2, no.2, pp.347-349, 2022 (Peer-Reviewed Journal)

- III. **Rankin-Cohen Parantezi Yardımıyla Elde Edilen Hecke Eigenform Örnekleri**

Demirkol Özkaya Z., İnam İ., Tercan E., İrez Aydın B.

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.2, pp.772-778, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **On The Bruinier-Kohnen Sign Equidistribution Conjecture: Past and Present**

Demirkol Özkaya Z.

8th International Congress on Fundamental and Applied Sciences, Antalya, Turkey, 19 - 21 October 2021

II. On Sato-Tate Conjecture for Modular Forms

Demirkol Özkaya Z.

8th International Congress on Fundamental and Applied Sciences, Antalya, Turkey, 19 - 21 October 2021

III. Yarım Tamsayı Ağırlıklı Modüler Formların Fourier Katsayıları Üzerine

Demirkol Özkaya Z.

33. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 31 August - 03 September 2021, pp.60

IV. On Sato-Tate Conjecture for Half Integral Weight of Modular Forms

Demirkol Özkaya Z.

International Workshop on Elliptic Curves, Modular Forms and Langlands Functoriality, Bilecik, Turkey, 10 - 11 May 2018, pp.9

V. On Sato-Tate like Problems on Half Integral Weight Modular Forms

Demirkol Özkaya Z., Inam I.

Atelier PARI/GP 2018 , Besançon, France, 15 - 19 January 2018, pp.1-50

Supported Projects

Demirkol Özkaya Z., TUBITAK Project, Sagemath Uygulamaları İle Temel Bölgeler, 2023 - 2024

İnam İ., TUBITAK Project, Yarım Tamsayı Ağırlıklı Modüler Formlar Üzerinde Sato-Tate Benzeri Problemler Üzerine, 2018 - 2021

Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 2024 - Continues, Turkey

Tasks In Event Organizations

Demirkol Özkaya Z., International Workshop on Elliptic Curves, Modular Forms and Langlands Functoriality, Workshop Organization, Bilecik, Turkey, Mayıs 2018

Mobility Activity

Improving Competencies and Qualifications, Get Education, Urgenç Devlet Üniversitesi, Uzbekistan, 2024 - 2024

Metrics

Publication: 10

Citation (WoS): 1

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Attendee, Antalya, Turkey, 2021

8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Attendee, Antalya, Turkey, 2021

33. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2021

The PARI/GP day 2021, Attendee, Bordeaux, France, 2021

International Workshop on Elliptic Curves, Modular Forms and Langlands Functoriality, Attendee, Bilecik, Turkey, 2018

Atelier PARI/GP 2018, Attendee, Besançon, France, 2018

International Autumn School on Computational Number Theory, Attendee, İzmir, Turkey, 2017

Non Academic Experience

Açı Kuzey Eğitim Kurumları

Business Establishment Private, Özel Açı Eğitim Kurumları, Matematik

Vezirhan İlköğretim Okulu

National Education Directorate, Vezirhan Ortaokulu, Ortaokul