

## Assoc. Prof. AYBERK ZEYTİN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: N-8365-2013

ScopusID: 55785660200

Yoksis Researcher ID: 29173

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Matematik (Dr), Turkey  
2005 - 2011

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2000  
- 2005

### Dissertations

Doctorate, Algebraic curves, Hermitian lattices and hypergeometric functions, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2011

### Research Areas

Algebraic Geometry, Combinatorics, Number Theory

### Academic Titles / Tasks

Lecturer, Galatasaray University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2014

### Advising Theses

ZEYTİN A., Monotonous Cellular Decomposition, Postgraduate, E.NAYİR(Student), 2018

Zeytin A., Classification of lattès maps, Postgraduate, M.EFE(Student), 2017

ZEYTİN A., Theta functions of indefinite binary quadratic forms, Postgraduate, Ş.İZGİ(Student), 2017

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

#### I. Invariant symplectic forms on number fields

Rafiqi A., ZEYTİN A.

- Turkish Journal of Mathematics, vol.48, no.1, pp.53-61, 2024 (SCI-Expanded)
- II. **BELYI LATTÈS MAPS**  
ZEYTİN A.  
Kyushu Journal of Mathematics, vol.77, no.2, pp.221-235, 2023 (SCI-Expanded)
- III. **InfoMod: a visual and computational approach to Gauss' binary quadratic forms**  
ZEYTİN A.  
Applicable Algebra in Engineering, Communications and Computing, vol.33, no.4, pp.437-455, 2022 (SCI-Expanded)
- IV. **Multivariate Lucas polynomials and ideal classes in quadratic number fields**  
ZEYTİN A.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1543-1555, 2018 (SCI-Expanded)
- V. **Binary quadratic forms as dessins**  
ULUDAĞ A. M., ZEYTİN A., Durmus M.  
JOURNAL DE THEORIE DES NOMBRES DE BORDEAUX, vol.29, no.2, pp.445-469, 2017 (SCI-Expanded)
- VI. **On the reduction of binary quadratic forms**  
ZEYTİN A.  
PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.89, pp.203-221, 2016 (SCI-Expanded)
- VII. **Quadrangulations of sphere and ball quotients**  
ZEYTİN A., ULUDAĞ A. M.  
MATHEMATISCHE NACHRICHTEN, vol.287, no.1, pp.105-121, 2014 (SCI-Expanded)

## Books & Book Chapters

- I. **Number Theory: Proceedings of the Journées Arithmétiques, 2019, XXXI, held at Istanbul University**  
Kurşungöz K., Zeytin A. (Editor)  
Walter de Gruyter, Inc. , İstanbul, 2021
- II. **Algebraic Geometry and Number Theory Summer School, Galatasaray University, Istanbul, 2014**  
ZEYTİN A., Mourtada H., SARIOĞLU C. C., Soule C.  
Birkhäuser , 2017
- III. **Class number problems and Lang conjectures**  
ZEYTİN A.  
in: Algebraic Geometry and Number Theory: Summer School, Galatasaray University, Istanbul, 2014, Hussein Mourtada, Celal Cem Sarioğlu, Cristophe Soule, Ayberk Zeytin, Editor, Birkhauser Basel, Basel, pp.211-232, 2017
- IV. **A panorama of the fundamental group of the modular orbifold**  
ZEYTİN A., ULUDAĞ A. M.  
in: HANDBOOK OF TEICHMÜLLER THEORY VOLUME 6, Papadopoulos, Athanase, Editor, European Mathematical Society Publishing House, Zürich, pp.501-519, 2016

## Supported Projects

- ZEYTİN A., Project Supported by Higher Education Institutions, Hecke sürekli kesirler ve yapay zeka hesapları, 2024 - Continues
- Zeytin A., Sağlam I., Guichard O., Papadopoulos A., Uludağ A. M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Konik tekillikli hiperbolik ve düz yüzeylerin Teichmüller kuramı, 2022 - 2024
- Zeytin A., Uludağ A. M., TUBITAK Project, Temel Modüler Grupoid, 2020 - 2023
- ZEYTİN A., Project Supported by Higher Education Institutions, KUADRATİK FORMLARIN ARİTMETİĞİ, 2016 - 2019
- Zeytin A., Uludağ A. M., TUBITAK Project, Genel Çarklar ve İkili Quadratik Formlar, 2016 - 2018
- Uludağ A. M., Zeytin A., TUBITAK Project, Sürekli Kesir Tasvirleri, 2016 - 2018
- Zeytin A., Uludağ A. M., Sarioğlu C. C., TUBITAK Project, Modüler grubun infografığı sınıf sayısı problemleri ve çarklar

İnfoMod, 2013 - 2016

ZEYTİN A., Project Supported by Higher Education Institutions, SINIF SAYISI PROBLEMLERİ VE LANG SANILARI, 2013 - 2016

## **Scientific Refereeing**

TURKISH JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, March 2020

TURKISH JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, July 2015

## **Metrics**

Publication: 11

Citation (WoS): 8

Citation (Scopus): 7

H-Index (WoS): 2

H-Index (Scopus): 2