

## **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

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### **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, ŞİZGİ(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 Sarıoğlu, 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, 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

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