Tuğba Yesin

Sabancı University
Department of Mathematics

Contact Information

Address
1600 Park Circle
Apt:1015, 29201,
Columbia - South Carolina - USA

e-mail tugbayesin@sabanciuniv.edu
mobile +1-631-220-98-78

Education

Ph.D in Mathematics, Sabancı University, Present
Thesis: Arithmetic of Elliptic Curves and Rational Diophantine Tuples
Advisor: Mohammad Sadek
GPA: 3.81/4.0

Master of Science in Mathematics, Sabancı University, January 2017
Thesis: On Polynomials Over Finite Fields with Particular Value Sets
Advisor: Alev Topuzoğlu
GPA: 3.72/4.0

Bachelor of Science in Mathematics, İstanbul Bilgi University, July 2014
Graduation Project: Lie Algebra
Advisor: Pınar Uğurlu
GPA: 3.15/4.0

RELEVANT COURSES

Ph.D Courses

Algebraic Number Theory	Algebraic Geometry	Analysis II
Elliptic Curves	Commutative Algebra	Algebraic Curves
Introduction to Homological Algebra		

Master Courses

Analysis I	Algeba I-II	Commutative Algebra
Finite Fields and Application	Number Theory	Algebraic Function Fields

Undergraduate Courses

Analysis I-II-III-IV	Set Theory I-II	Number Theory
Algebra I-II	Group Theory	Ring Theory
Field and Galois Theory	Measure Theory	Calculus on Manifolds
Complex Analysis I-II	Functional Analysis I-II	Differential Equations
Algebraic Curves	Differential Geometry	Model Theory

Teaching Experience

Sabancı University - Teaching Assistant   September 2014-Present

Math 101 Calculus I
Math 102 Calculus II
Math 201 Linear Algebra
Math 203 Introduction to Probability
Math 204 Discrete Mathematics
Math 317 Elemantary Number Theory

* All these courses above are problem sessions and taught in English.

Academic Awards

September 2022 - Current,	"TÜBİTAK scholarship (Scientific and Technological Research Council of Turkey)", Sabancı University
September 2018 - September 2022,	"Full tuition Scholarship for Ph.D.", Sabancı University.
September 2014 - January 2017,	"Full tuition Scholarship for M.Sc.", Sabancı University.
September 2009 - June 2014,	"Full tuition Scholarship", İstanbul Bilgi University.

Algebra, Geometry and Number Theory Seminar
University of South Carolina   *21 October 2022*
Speaker

Diophantine m-tuples and related problems III
ONLINE   *14-16 September 2022*
Participant

Susaan Summer school
Nesin Mathematics Village   *6-17 June 2022*
Participant

Spring Mathematics Meetings, Turkey
ONLINE   *30-31 October 2021*
Speaker

CIMPA summer school
IMBM, Boğaziçi University   *23-27 August 2021*
Participant

Elliptic curves and the special values of L-functions
ONLINE   *2-7 August 2021*
Participant

Journées Arithmétiques
Istanbul University   *1-5 July 2019*
Participant

Antalya Algebra Days
Nesin Mathematics Village   *15-19 May 2019*
Participant

Workhop on Finite Fields, Function Fields and Their Application
Karaköy Minevra Palas, Istanbul   *26-27 April 2018*
Participant

Bahar Mathematics Meeting
Bilkent University, Ankara   *7-8 October 2017*
Participant

Antalya Algebra Days
Nesin Mathematics Village   *18-22 May 2016*
Participant

REFERENCES

Alev Topuzoğlu   Sabancı University
e-mail : alev@sabanciuniv.edu

Mohammad Sadek   Sabancı University
e-mail : mohammad.sadek@sabanciuniv.edu

PUBLICATIONS

1. *A Dynamical Analogue of a question of Fermat*, Mohammad Sadek and Tuğba Yesin, submitted.

2. *Divisibility by 2 on quartic models of elliptic curves and rational Diophantine D(q)-quintuples*, Mohammad Sadek and Tuğba Yesin, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas, RACSAM, volume 116 (2022), Article number: 139, (17 pp)