

Prof. ABDURRAHMAN MUHAMMED ULUDAĞ

Personal Information

Office Phone: [+90 227 448 0](tel:+902274480)

Email: muludag@gsu.edu.tr

Web: <https://avesis.gsu.edu.tr/muludag>

Address: Çırağan Cad. No:36, 34349 Ortaköy/İstanbul

International Researcher IDs

ORCID: 0000-0001-7761-8472

Yoksis Researcher ID: 39228

Education Information

Doctorate, Université de Grenoble 2, Institut Joseph Fourier, France 1997 - 2000

Postgraduate, Université de Grenoble 2, Institut Joseph Fourier, France 1996 - 1997

Postgraduate, İhsan Doğramacı Bilkent University, Faculty Of Science, Department Of Mathematics, Turkey 1994 - 1996

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1989 - 1994

Foreign Languages

French, C2 Mastery

English, C1 Advanced

Dissertations

Postgraduate, Existence of Green Function and Bounded Harmonic Functions on Galois Coverings of Riemann Surfaces, Université De Grenoble 2, Institut Joseph Fourier, 1997

Postgraduate, On Possible Deterioration of Smoothness under the Operation of Convolution, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1996

Doctorate, Groupes Fondementaux d'xxune Familles des Courbes Rationnelles Cuspidales, Université De Grenoble 2, Institut Joseph Fourier, 1950

Research Areas

Mathematics

Academic Titles / Tasks

Professor, Galatasaray University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2010 - Continues

Associate Professor, Galatasaray University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2006 - 2010

Associate Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2006

Assistant Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2001 -

Academic and Administrative Experience

Dean, Galatasaray University, Fen-Edebiyat Fakültesi, Matematik, 2019 - Continues

Head of Department, Galatasaray University, Fen-Edebiyat Fakültesi, Matematik, 2019 - Continues

Advising Theses

ULUDAĞ A. M., THE INFLUENCE OF COMBINATORIAL DESIGNS USED IN DEEP NEURAL NETWORKS TO PREVENT OVERFITTING, Postgraduate, M.ALİ(Student), 2021

ULUDAĞ A. M., A novel design method for compressive sensing matrices, Postgraduate, U.KABULİ(Student), 2020

ULUDAĞ A. M., Boundary of the general linear group over the rationals and p-adic continued fractions, Doctorate, E.ÜNAL(Student), 2019

ULUDAĞ A. M., Measures on the boundary of the farey tree, Postgraduate, H.KURU(Student), 2019

ULUDAĞ A. M., A Novel Design Method for Compressive Sensing Matrices, Postgraduate, U.KABULİ(Student), 2018

ULUDAĞ A. M., Measures On The Boundary of The Farey Tree, Postgraduate, H.KURU(Student), 2018

ULUDAĞ A. M., Markov theory and outer automorphism of $PGL(2, Z)$, Postgraduate, B.EREN(Student), 2018

ULUDAĞ A. M., Triangulations of the sphere after Thurston, Doctorate, İ.SAĞLAM(Student), 2015

ULUDAĞ A. M., Grothendieck's dessin theory, Postgraduate, F.YAŞAR(Student), 2014

ULUDAĞ A. M., Orbi-graphs and binary quadratic forms, Postgraduate, M.DURMUŞ(Student), 2012

ULUDAĞ A. M., Lp uzaylarında konvolüsyon ve süreklilik, Postgraduate, N.GÜNÇAVDI(Student), 2011

ULUDAĞ A. M., Algebraic curves, Hermitian lattices and hypergeometric functions, Doctorate, A.ZEYİN(Student), 2011

ULUDAĞ A. M., Combinatorics and topology of conic-line arrangements, Doctorate, C.CEM(Student), 2009

ULUDAĞ A. M., İzdüşel doğrusal grupların sonlu altgrupları üzerine, Postgraduate, D.IRMAK(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The conumerator and the codenominator**
ULUDAĞ A. M., Gokmen B. E.
BULLETIN DES SCIENCES MATHÉMATIQUES, vol.180, 2022 (SCI-Expanded)
- II. **Composition laws on the Fricke surface and Markov triples**
Uludag A. M., Yilmaz E. U.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.3, pp.785-799, 2022 (SCI-Expanded)
- III. **Elliptic curve involving subfamilies of rank at least 5 over $Q(t)$ or $Q(t, k)$**
Youmbai A. E. A., Uludag M., Behloul D.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.3, pp.721-731, 2021 (SCI-Expanded)
- IV. **A Subtle Symmetry of Lebesgue's Measure**
Uludag M., Ayril H.
JOURNAL OF THEORETICAL PROBABILITY, vol.32, no.1, pp.527-540, 2019 (SCI-Expanded)
- V. **An involution of reals, discontinuous on rationals, and whose derivative vanishes a.e.**
ULUDAĞ A. M., Ayril H.
TURKISH JOURNAL OF MATHEMATICS, vol.43, no.3, pp.1770-1775, 2019 (SCI-Expanded)
- VI. **Dynamics of a family of continued fraction maps**
Uludag M., Ayril H.
DYNAMICAL SYSTEMS-AN INTERNATIONAL JOURNAL, vol.33, no.3, pp.497-518, 2018 (SCI-Expanded)
- VII. **Binary quadratic forms as dessins**
ULUDAĞ A. M., ZEYİN A., Durmus M.

- JOURNAL DE THEORIE DES NOMBRES DE BORDEAUX, vol.29, no.2, pp.445-469, 2017 (SCI-Expanded)
- VIII. **Fundamental groups of a class of rational cuspidal plane curves**
 ULUDAĞ A. M.
 INTERNATIONAL JOURNAL OF MATHEMATICS, vol.27, no.12, 2016 (SCI-Expanded)
- IX. **Quadrangulations of sphere and ball quotients**
 ZEYTİN A., ULUDAĞ A. M.
 MATHEMATISCHE NACHRICHTEN, vol.287, no.1, pp.105-121, 2014 (SCI-Expanded)
- X. **ON FINITE BRANCHED UNIFORMIZATIONS OF THE PROJECTIVE PLANE**
 ULUDAĞ A. M., SARIOĞLU C. C.
 INTERNATIONAL JOURNAL OF MATHEMATICS, vol.24, no.2, 2013 (SCI-Expanded)
- XI. **Smooth finite abelian uniformizations of projective spaces and Calabi-Yau orbifolds**
 Uludag A. M.
 MANUSCRIPTA MATHEMATICA, vol.124, no.1, pp.31-44, 2007 (SCI-Expanded)
- XII. **Galois coverings of the plane by K3 surfaces**
 Uludag A.
 KYUSHU JOURNAL OF MATHEMATICS, vol.59, no.2, pp.393-419, 2005 (SCI-Expanded)
- XIII. **Covering relations between ball-quotient orbifolds**
 Uludag A.
 MATHEMATISCHE ANNALEN, vol.328, no.3, pp.503-523, 2004 (SCI-Expanded)
- XIV. **On branched coverings of \mathbb{R}^n by products of discs**
 Uludag A.
 INTERNATIONAL JOURNAL OF MATHEMATICS, vol.14, no.10, pp.1025-1036, 2003 (SCI-Expanded)
- XV. **Fundamental groups of some quadric-line arrangements**
 Amram M., Teicher M., Uludag A.
 TOPOLOGY AND ITS APPLICATIONS, vol.130, no.2, pp.159-173, 2003 (SCI-Expanded)
- XVI. **More Zariski pairs and finite fundamental groups of curve complements**
 Uludag A.
 MANUSCRIPTA MATHEMATICA, vol.106, no.3, pp.271-277, 2001 (SCI-Expanded)
- XVII. **Existence of green function and bounded harmonic functions on Galois covers of Riemannian manifolds**
 Uludağ A. M.
 Osaka Journal of Mathematics, vol.38, no.2, pp.295-301, 2001 (SCI-Expanded)

Books & Book Chapters

- I. **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

Refereed Congress / Symposium Publications in Proceedings

- I. **Orbifolds and their uniformization**
 Uludag A. M.
 CIMPA Summer School on Arithmetic and Geometry around Hypergeometric Functions, İstanbul, Turkey, 13 - 25 June 2005, vol.260, pp.373-406

Supported Projects

Zeytin A., Sađlam I., Guichard O., Papadopoulos A., Uludađ A. M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Konik tekillikli hiperbolik ve düz yüzeylerin Teichmüller kuramı, 2022 - 2024

Uludađ A. M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Konik Tekillikli Hiperbolik Ve Düz Yüzeylerin Teichmüller Kuramı, 2022 - 2024

Uludađ A. M., TUBITAK Project, TEMOG, 2020 - 2023

Zeytin A., Uludađ A. M., TUBITAK Project, Temel Modüler Grupoid, 2020 - 2023

ULUDAĐ A. M., Project Supported by Higher Education Institutions, KONÜMERATÖR, 2019 - 2020

ULUDAĐ A. M., Project Supported by Higher Education Institutions, TASVİR SINIFI GROUPOİDİ VE THOMPSON GRUBU İÇİN ORTAK BİR ÇERÇEVE, 2017 - 2019

ULUDAĐ A. M., Project Supported by Higher Education Institutions, FAREY AĐACININ SINIRINDA ÖLÇÜLER, 2016 - 2018

Zeytin A., Uludađ A. M., TUBITAK Project, Genel Çarklar ve İkili Quadratik Formlar, 2016 - 2018

Uludađ A. M., Zeytin A., TUBITAK Project, Sürekli Kesir Tasvirleri, 2016 - 2018

ULUDAĐ A. M., Project Supported by Higher Education Institutions, BİR DİNAMİK SİSTEM AİLESİNİN RUELLE VE DİĐER ZETA FONKSİYONLARI, 2015 - 2017

Zeytin A., Uludađ A. M., Sariođlu C. C., TUBITAK Project, Modüler grubun infografiđi sınıf sayısı problemleri ve çarklar InfoMod, 2013 - 2016

ULUDAĐ A. M., Project Supported by Higher Education Institutions, RASYONELLER ÜZERİNDE GENEL DOĐRUSAL GRUBUN ALTGRUPLARI, 2014 - 2015

ULUDAĐ A. M., Project Supported by Higher Education Institutions, MODÜLER GRUBUN GÖRSEL İNCELEMESİ, 2012 - 2014

ULUDAĐ A. M., Project Supported by Higher Education Institutions, MODÜLER GRUP, KURDELA ÇİZGELER VE SARMALLAR, 2009 - 2012

ULUDAĐ A. M., Project Supported by Higher Education Institutions, BAZI ARİTMETİK YIĐITLAR ÜZERİNDE GALOİS ETKİLERİ, 2007 - 2009

Metrics

Publication: 19
Citation (WoS): 47
Citation (Scopus): 46
H-Index (WoS): 4
H-Index (Scopus): 4

Non Academic Experience

Bilim Teknik Dergisi
ÖSYM
TÜBİTAK - ARDEB - MADEB