

Assoc. Prof. Fatma ÇALIŞKAN



Personal Information

Office Phone: [+90 212 455 5700](tel:+902124555700) Extension: 15319

Fax Phone: [+90 212 519 0834](tel:+902125190834)

Email: fatmac@istanbul.edu.tr

Web: <http://aves.istanbul.edu.tr/fatmac/>

Address: İstanbul Üniversitesi Fen Fakültesi Matematik Bölümü, 34134, Vezneciler, Fatih/İstanbul



International Researcher IDs

ScholarID: XyX39T0AAAAJ

ORCID: 0000-0001-7869-870X

Publons / Web Of Science ResearcherID: AAE-4037-2020

ScopusID: 55765581601

Yoksis Researcher ID: 110368

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Matematik Anabilim Dalı, Turkey 2005 - 2009

Postgraduate, Celal Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı Cebir Ve Sayılar Teorisi Bilim Dalı, Turkey 2001 - 2003

Undergraduate, Celal Bayar Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Eğitimde Ölçme-Değerlendirme İlkelerine Uygun Sınav Hazırlama Yöntemleri, İstanbul Üniversitesi, 2021

Occupational Health and Safety, İş Sağlığı ve Güvenliği, İstanbul Üniversitesi, 2015

Quality Management, TS ISO 10002 Müşteri Memnuniyeti Yönetim Sistemi Temel Eğitimi, TSE, 2010

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi Dokümantasyon Eğitimi, TSE, 2010

Quality Management, Proseslerin Yönetimi, Etkileşimi ve İyileştirme Teknikleri Eğitimi, TSE, 2010

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi İç Kalite Tetkik Eğitimi, TSE, 2010

Quality Management, TS EN ISO 9001 Kalite Yönetim Sistemi Temel Eğitimi, TSE, 2010

Dissertations

Doctorate, p-Adik Alanda Bazı Genelleştirilmis Bosluk Serilerinin Transandantlığı Hakkında, Istanbul University, Institute

of Graduate Studies In Sciences, Matematik Anabilim Dalı, 2009

Postgraduate, Öklidyen Olmayan Kristalografik (NEC) Grupların Normal Alt Gruplarının Sayılması, Celal Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı Cebir Ve Sayılar Teorisi Bilim Dalı, 2003

Research Areas

Mathematics, Number Theory, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2018 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2010 - 2018

Research Assistant, Istanbul University, Faculty of Science, Department of Mathematics, 2005 - 2010

Research Assistant, Celal Bayar Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2001 - 2005

Academic and Administrative Experience

Head of Department, Istanbul University, Faculty Of Science, Department of Mathematics, 2011 - 2013

Courses

OCCUPATIONAL MATHEMATICS II, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020

OCCUPATIONAL MATHEMATICS I, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020

INTRODUCTION TO THE THEORY OF TRANSCENDENTAL NUMBERS, Postgraduate, 2020 - 2021, 2019 - 2020

Linear Algebra II, Undergraduate, 2020 - 2021, 2019 - 2020

Linear Algebra I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Mathematics, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020

Coding Theory II, Postgraduate, 2020 - 2021

Coding Theory I, Postgraduate, 2020 - 2021

ENGLISH FOR SPECIFIC PURPOSES, Undergraduate, 2019 - 2020

INTRODUCTION TO THE THEORY OF TRANSCENDENTAL NUMBERS, Postgraduate, 2018 - 2019

Mesleki Matematik I, Associate Degree, 2019 - 2020

Mesleki İngilizce, Undergraduate, 2018 - 2019

INTRODUCTION TO P-ADIK NUMBERS, Postgraduate, 2018 - 2019

Sayılar Teorisi I, Undergraduate, 2018 - 2019, 2014 - 2015, 2013 - 2014

Number Theory, Undergraduate, 2018 - 2019

Transandant Sayılar Teorisine Giriş, Postgraduate, 2015 - 2016

Transandant Sayılar Teorisine Giriş, Postgraduate, 2014 - 2015

Matematiğin Temelleri ve Mantık I, Undergraduate, 2015 - 2016

Sayılar Teorisi I (İ.Ö.), Undergraduate, 2015 - 2016, 2014 - 2015

Sayılar Teorisi II (Ö.Ö.), Undergraduate, 2014 - 2015

Lineer Cebir (Ö.Ö.), Undergraduate, 2014 - 2015

Sayılar Teorisi II (İ.Ö.), Undergraduate, 2014 - 2015

Sayılar Teorisi I (Ö.Ö.), Undergraduate, 2015 - 2016, 2014 - 2015

Kombinatorik (İ.Ö.), Undergraduate, 2015 - 2016

Kombinatorik, Undergraduate, 2015 - 2016, 2014 - 2015

Tez Danışmanlığı, Postgraduate, 2013 - 2014

Uzmanlık Alan Dersi, Postgraduate, 2013 - 2014

Kombinatorik (Ö.Ö.), Undergraduate, 2014 - 2015
Sayılar Teorisi II, Undergraduate, 2013 - 2014
Cebir II, Undergraduate, 2013 - 2014
p-Adik Sayılara Giriş, Postgraduate, 2014 - 2015
Soyut Matematik I, Undergraduate, 2013 - 2014
Sayılar Teorisi I, Undergraduate, 2012 - 2013
Matematik , Associate Degree, 2012 - 2013
Matematik II, Undergraduate, 2011 - 2012
Matematik II, Associate Degree, 2011 - 2012
Matematik II, Undergraduate, 2011 - 2012
Matematik , Associate Degree, 2012 - 2013
Matematik , Associate Degree, 2012 - 2013
Mesleki Matematik II, Associate Degree, 2011 - 2012
Matematik I, Undergraduate, 2012 - 2013
Matematik I, Undergraduate, 2012 - 2013
Matematik I, Undergraduate, 2012 - 2013
Kombinatorik, Undergraduate, 2012 - 2013
Matematik II, Undergraduate, 2011 - 2012
Mesleki Matematik I, Associate Degree, 2012 - 2013
Lineer Cebir, Undergraduate, 2011 - 2012
Sayılar Teorisi I, Undergraduate, 2012 - 2013
Sayılar Teorisi II, Undergraduate, 2011 - 2012
Matematik , Associate Degree, 2012 - 2013
p-Adik Sayılara Giriş, Postgraduate, 2012 - 2013

Advising Theses

ÇALIŞKAN F., Constructing Self-Dual Codes Over the Rings $F_2 + vF_2$ and $F_2 \times F_2 + vF_2$, Doctorate, R.Aksoy(Student), 2019
ÇALIŞKAN F., Sürekli kesirler ve pade yaklaşımları, Postgraduate, S.Ceyda(Student), 2015

Jury Memberships

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, July, 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **SOME LACUNARY POWER SERIES AND MAHLER'S U-m-NUMBERS IN p-ADIC DOMAIN**
Caliskan F.
COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.75, no.4, pp.477-485, 2022 (SCI-Expanded)
- II. **Liouville Numbers and Lacunary Power Series in the Field of Formal Laurent Series**
Çalışkan F.
Comptes Rendus De L Academie Bulgare Des Sciences, vol.74, no.7, pp.957-963, 2021 (SCI-Expanded)
- III. **Self-dual codes over $F_2 \times (F_2 + vF_2)$**
Aksoy R., Çalışkan F.
CRYPTOGRAPHY AND COMMUNICATIONS-DISCRETE-STRUCTURES BOOLEAN FUNCTIONS AND SEQUENCES, vol.13, no.1, pp.129-141, 2021 (SCI-Expanded)
- IV. **A new shortening method and Hermitian self-dual codes over $F_2 + vF_2$**
Aksoy R., ÇALIŞKAN F.

DISCRETE MATHEMATICS, vol.343, no.7, 2020 (SCI-Expanded)

V. **Linear codes over $F_2 \times (F_2 + \nu F_2)$ and the MacWilliams identities**

ÇALIŞKAN F., Aksoy R.

APPLICABLE ALGEBRA IN ENGINEERING COMMUNICATION AND COMPUTING, vol.31, no.2, pp.135-147, 2020 (SCI-Expanded)

VI. **Transcendence of some power series for Liouville number arguments**

Caliskan F.

PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.128, no.3, 2018 (SCI-Expanded)

VII. **ON THE VALUES OF SOME POWER SERIES IN THE FIELD OF FORMAL LAURENT SERIES OVER A FINITE FIELD**

Caliskan F.

COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.69, no.12, pp.1549-1556, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. **Some Results on Free Euclidean Self-Dual Codes over $F_2 + \nu F_2$**

Aksoy R., ÇALIŞKAN F.

SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.6, pp.1131-1136, 2019 (Peer-Reviewed Journal)

II. **Lacunary Power Series and Um-Numbers**

Çalışkan F.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.15, no.4, pp.365-370, 2019 (Peer-Reviewed Journal)

III. **On Transcendence of Values of Some Generalized Lacunary Power Series with Algebraic Coefficients for Some Algebraic Arguments in p -Adic Domain I**

Çalışkan F.

University of Istanbul Faculty of Science the Journal of Mathematics, Physics and Astronomy, New Series, vol.3, pp.33-58, 2010 (Peer-Reviewed Journal)

IV. **On Transcendence of Values of Some Generalized Lacunary Power Series with Algebraic Coefficients for Some Algebraic Arguments in p -Adic Domain II**

Çalışkan F.

University of Istanbul Faculty of Science the Journal of Mathematics, Physics and Astronomy, vol.3, pp.59-76, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Bir Kartezyen Çarpım Halkası Üzerinde Tanımlı Devirli Kodlar**

Çalışkan F., Aksoy R.

33. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 31 August - 03 September 2021, pp.51

II. **Some Power Series with Rational Coefficients for Liouville Number Arguments**

ÇALIŞKAN F.

International Conference on Algebra and Number Theory, Samsun, Turkey, 5 - 08 August 2014, pp.29

III. **Some Power Series on Archimedean and Non-Archimedean Fields**

ÇALIŞKAN F.

International Congress in Honour of Professor Ravi P. Agarwal, Bursa, Turkey, 23 - 26 June 2014, pp.78

IV. **p -Adik Alanda Cebirsel Katsayılı Bazı Genelleştirilmiş Bosluk Serilerinin Cebirsel Argümanlar İçin Aldığı Değerlerin Transandantlığı İle İlgili Bir İnceleme**

ÇALIŞKAN F.

XXII. Ulusal Matematik Sempozyumu, İzmir, Turkey, 1 - 04 September 2009

Supported Projects

ÇALIŞKAN F., Project Supported by Higher Education Institutions, Boşluk Serileri Üzerine Bir İnceleme, 2018 - 2019

ÇALIŞKAN F., AKSOY R., Project Supported by Higher Education Institutions, F_2+vF_2 ve $F_2 \times F_2+vF_2$ Halkaları Üzerine Self-Dual Kodların İnşası, 2018 - 2019

ÇALIŞKAN F., Project Supported by Higher Education Institutions, Bazı Basit Boşluk Serilerinin Değerlerinin Transandantlığı, 2018 - 2019

ÇALIŞKAN F., Project Supported by Higher Education Institutions, Formal Laurent Serileri Cismi Üzerindeki Bazı Kuvvet Serileri, 2014 - 2017

ÇALIŞKAN F., Project Supported by Higher Education Institutions, Sürekli Kesirler ve Padé Yaklaşımları, 2014 - 2015

ÇALIŞKAN F., Project Supported by Higher Education Institutions, SOME POWER SERIES WITH RATIONAL COEFFICIENTS FOR LIOUVILLE NUMBER ARGUMENTS, 2014 - 2014

ZEREN B. M., ÇALIŞKAN F., Project Supported by Higher Education Institutions, p-ADİK ALANDA BAZI GENELLEŞTİRİLMİŞ BOŞLUK SERİLERİNİN TRANSANDANTLIĞI HAKKINDA BİR İNCELEME, 2008 - 2009

Metrics

Publication: 15

Citation (WoS): 7

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

International Conference On Algebra and Number Theory, Attendee, Samsun, Turkey, 2014

International Congress in Honour of Professor Ravi P. Agarwal, Attendee, Bursa, Turkey, 2014

International Conference of Mathematical Sciences, Maltepe University, Attendee, İstanbul, Turkey, 2009

XXII. Ulusal Matematik Sempozyumu, Attendee, İzmir, Turkey, 2009

Scholarships

Yurt İçi Doktora Burs Programı, TUBITAK, 2006 - 2009