Asst. Prof. SEÇİL GERGÜN

Personal Information

Email: secil.gergun@deu.edu.tr
Web: https://avesis.deu.edu.tr/secil.gergun

International Researcher IDs
ScholarID: UQNM1SYAAAAJ
ORCID: 0000-0003-0952-3070
Publons / Web Of Science ResearcherID: P-7550-2019
ScopusID: 6507041448
Yoksis Researcher ID: 143420

Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Instıtute Of Engıneerıng And Natural Scıences, Matematik (Dr), Turkey
1999 - 2003
Postgraduate, Ihsan Dogramaci Bilkent University, Instıtute Of Engıneerıng And Natural Scıences, Matematik (Yl) (Tezli),
Turkey 1997 - 1999
Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Scıence, Department Of Mathematıcs, Turkey 1991 - 1997

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, ÖĞRENCİ MOTİVASYONUNU ARTIRMA, Dokuz Eylül Üniversitesi Akademik ve Kişisel Gelişimi
Destekleme Uygulama ve Araştırma Merkezi (AKADEMİ-DE), 2022
Other, Yazılım Destekli Zaman Yönetimi, Dokuz Eylül Üniversitesi Akademik ve Kişisel Gelişimi Destekleme Uygulama ve
Araştırma Merkezi (AKADEMİ-DE), 2022

Dissertations

Doctorate, Representations of functions harmonic in the upper half-plane and their applications, Ihsan Dogramaci
Bilkent University, Instıtute Of Engıneerıng And Natural Scıences, 2003
Postgraduate, Factorization in Hardy and Nevanlinna classes, Ihsan Dogramaci Bilkent University, Instıtute Of
Engıneerıng And Natural Scıences, 1999

Research Areas

Functional Analysis, Fourier Analysis, Functions of a Complex Variable, Operators, Abstract Harmonic Analysis, Natural
Sciences

Academic Titles / Tasks

Assistant Professor, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2013 - Continues
Assistant Professor, Cankaya University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, 2005 - 2013
Lecturer, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Mathematics, 2003 - 2005
Visiting Lecturer, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Mathematics, 2002 - 2003
Research Assistant, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Mathematics, 1997 - 2003

Academic and Administrative Experience

Bölüm Özdeğerlendirme Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2021 - Continues
Bölüm FEDEK ve Akreditasyon Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2021 - Continues
Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2018 - 2020
Deputy Head of Department, Cankaya University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, 2012 - 2013
Fakülte Kurulu Üyesi, Cankaya University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, 2011 - 2013
Erasmus Program Department Coordinator, Cankaya University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, 2009 - 2012
Farabi Program Department Coordinator, Cankaya University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, 2009 - 2012

Courses

Calculus I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018
Calculus II, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019
Real Analysis, Postgraduate, 2023 - 2024, 2016 - 2017
Graduation Project, Undergraduate, 2023 - 2024
Project, Undergraduate, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2015 - 2016
Calculus II, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018
Complex Calculus, Undergraduate, 2021 - 2022, 2020 - 2021
Calculus II, Undergraduate, 2020 - 2021
Calculus I, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019
Calculus I, Undergraduate, 2020 - 2021
Measure Theory and Lebesgue Integral, Undergraduate, 2020 - 2021
Complex Analysis, Doctorate, 2018 - 2019, 2015 - 2016, 2014 - 2015
Complex Calculus, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014
M.Sc. Seminar, Postgraduate, 2017 - 2018, 2016 - 2017
Complex Calculus, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014
M.Sc. Research, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
M.Sc. Thesis, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Matematik II, Undergraduate, 2016 - 2017
Matematik I, Undergraduate, 2017 - 2018, 2014 - 2015, 2013 - 2014
Matematik II, Undergraduate, 2016 - 2017
Functional Analysis, Doctorate, 2016 - 2017
Matematik I, Undergraduate, 2017 - 2018
Gerçel Analiz, Undergraduate, 2017 - 2018

Karmaşık Analiz, Undergraduate, 2016 - 2017

Matematik I, Undergraduate, 2016 - 2017

Matematik II, Undergraduate, 2015 - 2016

Fundamentals of Mathematics I, Undergraduate, 2015 - 2016

Analysis II, Undergraduate, 2014 - 2015, 2013 - 2014

Introduction to Functional Analysis, Undergraduate, 2015 - 2016

Calculus, Undergraduate, 2015 - 2016

Analysis I, Undergraduate, 2014 - 2015, 2013 - 2014

Calculus for Enginnering II, Undergraduate, 2012 - 2013, 2010 - 2011, 2008 - 2009

Complex Calculus, Undergraduate, 2012 - 2013, 2011 - 2012, 2009 - 2010

Introduction to Probability and Statistics, Undergraduate, 2012 - 2013

Calculus for Engineering I, Undergraduate, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009

Introduction to Probability and Statistics, Undergraduate, 2011 - 2012, 2009 - 2010

Functional Analysis, Undergraduate, 2011 - 2012

Advanced Calculus II, Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009

Basic Linear Algebra, Undergraduate, 2011 - 2012, 2010 - 2011

Discrete Mathematics, Undergraduate, 2011 - 2012

Calculus II, Undergraduate, 2009 - 2010

Advanced Calculus I, Undergraduate, 2010 - 2011

Calculus for Engineering II, Undergraduate, 2008 - 2009, 2005 - 2006

Calculus I, Undergraduate, 2009 - 2010

Complex Analysis II, Undergraduate, 2007 - 2008, 2006 - 2007

Advanced Calculus II, Undergraduate, 2007 - 2008, 2006 - 2007, 2005 - 2006

Advanced Calculus I, Undergraduate, 2007 - 2008, 2006 - 2007, 2005 - 2006

Complex Analysis I, Undergraduate, 2007 - 2008, 2006 - 2007

Statistics for Social Sciences, Undergraduate, 2004 - 2005, 2003 - 2004, 2002 - 2003

Elementary Business Statistics, Undergraduate, 2004 - 2005, 2003 - 2004

Calculus for Engineering I, Undergraduate, 2005 - 2006

Introduction to Linear Algebra, Undergraduate, 2002 - 2003

Introduction to Calculus II, Undergraduate, 2003 - 2004, 2002 - 2003

Jury Memberships

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2022

Doctorate, Doctorate, Dokuz Eylül Üniversitesi, August, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, July, 2022

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, July, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, February, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, July, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2019

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, August, 2018

Doctorate, Doctorate, İhsan Doğramacı Bilkent Üniversitesi, August, 2013

Post Graduate, Post Graduate, İhsan Doğramacı Bilkent Üniversitesi, August, 2010

Doctorate, Doctorate, İhsan Doğramacı Bilkent Üniversitesi, August, 2008

Doctorate, Doctorate, İhsan Doğramacı Bilkent Üniversitesi, August, 2008

Doctorate, Doctorate, İhsan Doğramacı Bilkent Üniversitesi, November, 2006

Post Graduate, Post Graduate, İhsan Doğramacı Bilkent Üniversitesi, September, 2006

Post Graduate, Post Graduate, İhsan Doğramacı Bilkent Üniversitesi, September, 2006

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Generalized polynomials and their unification and extension to discrete calculus**
Cichon M., Silindir Yantir B., Yantir A., Gergün S.
SYMMETRY, vol.2023, no.15, pp.1-26, 2023 (SCI-Expanded)

II. **Power function and binomial series on T-(q,T-h)**
Gergün S., Silindir Yantır B., Yantir A.
APPLIED MATHEMATICS IN SCIENCE AND ENGINEERING, vol.31, no.1, 2023 (SCI-Expanded)

III. **Harmonic Besov spaces on the ball**
Gergün S., Kaptanoğlu H. T., Üreyen A. E.
INTERNATIONAL JOURNAL OF MATHEMATICS, vol.27, no.9, 2016 (SCI-Expanded)

IV. **Reproducing kernels for harmonic Besov spaces on the ball**
Gergün S., Kaptanoğlu H. T., Üreyen A. E.
COMPTES RENDUS MATHEMATIQUE, vol.347, no.13-14, pp.735-738, 2009 (SCI-Expanded)

V. **On a criterion of belonging to the the Hardy class Hp(C) up to an exponential factor**
Gergün S., Ostrovskii I. V.
JOURNAL OF MATHEMATICAL PHYSICS, ANALYSIS, GEOMETRY, vol.10, no.4, pp.490-497, 2003 (SCI-Expanded)

VI. **On the Poisson representation of a function harmonic in the upper half-plane**
Gergün S., Ostrovski I.
JOURNAL OF MATHEMATICAL PHYSICS, ANALYSIS, GEOMETRY, vol.9, no.2, pp.243-248, 2002 (SCI-Expanded)

VII. **On the Titchmarsh convolution theorem**
Gergün S., Ostrovskii I., Ulanovskii A.
ARKIV FOR MATEMATIK, vol.40, no.1, pp.55-71, 2002 (SCI-Expanded)

VIII. **On the Poisson Representation of a Function Harmonic in the Upper Half-Plane**
Gergün S., Ostrovski I.
COMPUTATIONAL METHODS AND FUNCTION THEORY, vol.2, pp.191-213, 2002 (SCI-Expanded)

IX. **On the Titchmarsh convolution theorem**
GERGÜN S., Ostrovskii I., Ulanovskii A.
COMPTES RENDUS DE L ACADEMIE DES SCIENCES SERIE I-MATHEMATIQUE, vol.331, no.1, pp.41-46, 2000 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **(q, h)-Zaman Skalasında Cauchy-Euler Denklemi**
Yantır A., Gergün S., Silindir Yantır B.
34. Ulusal Matematik Sempozyumu, İzmir, Turkey, 31 August - 03 September 2022, pp.1

II. **(q,h)-Zaman Skalasında Kuvvet Fonksiyonu**
Gergün S., Silindir Yantır B., Yantır A.
34. Ulusal Matematik Sempozyumu, İzmir, Turkey, 31 August - 03 September 2022, pp.62

III. **"Harmonic Besov spaces on the real unit balls: Reproducing kernels and Bergman projections",**
Gergün S., Kaptanoğlu H. T., Üreyen A. E.
MECANO 2009 (Modern Complex Analysis and Operator Theory and Applications, IV), Madrid, Spain, 17 - 21 June

2009, pp.1

IV. **"Holomorphic and harmonic Besov spaces on unit balls"**
Gergün S., Kaptanoğlu H. T., Üreyen A. E.
CMFT 2009 (6th International Conference on Computational Methods and Function Theory), Ankara, Turkey, 8 - 12 June 2009, pp.16

V. **On a criterion of belonging to the Hardy space Hp(C+) up to an exponential factor**
Gergün S.
Analysis and its Applications, Mersin, Turkey, 7 - 11 September 2004, pp.54

VI. **On functions harmonic in a half-plane**
Gergün S.
International Akhiezer Centenary Conference in Theory of Functions and Mathematical Physics, Kharkiv, Ukraine, 13 - 17 August 2001, pp.34

Supported Projects

Gergün S., Kaptanoğlu H. T., Üreyen A. E., TUBITAK Project, Birim Yuvarda Harmonik Fonksiyon Uzayları, 2008 - 2010

Activities in Scientific Journals

Çankaya University Journal of Sceince and Engineering, Assistant Editor/Section Editor, 2012 - 2013
Çankaya University Journal of Science and Engineering, Publication Committee Member, 2010 - 2013
Çankaya University Journal of Arts and Sciences, Publication Committee Member, 2009 - 2010
Çankaya University Journal of Arts and Sciences, Editor, 2009 - 2010

Scientific Refereeing

MONATSHEFTE FÜR MATHEMATIK, Journal Indexed in SCI-E, June 2017

Tasks In Event Organizations

Gergün S., Karakılıç S., GÜLLÜSAÇ M., İzmir Matematik Günleri III, Workshop Organization, İzmir, Turkey, Ekim 2020
Gergün S., 8. Ankara Matematik Günleri, Workshop Organization, Ankara, Turkey, Haziran 2014
Gergün S., CMFT 2009 (6th International Conference on Computational Methods and Function Theory), Workshop Organization, Ankara, Turkey, Haziran 2009

Metrics

Publication: 15
Citation (WoS): 31
Citation (Scopus): 32
H-Index (WoS): 2
H-Index (Scopus): 2

Congress and Symposium Activities

İzmir Mathematics days V, Audience, İzmir, Turkey, 2023

34. ULUSAL MATEMATİK SEMPOZYUMU, Audience, İzmir, Turkey, 2022

34. ULUSAL MATEMATİK SEMPOZYUMU, Session Moderator, İzmir, Turkey, 2022

İzmir Matematik Günleri IV, Audience, İzmir, Turkey, 2022

İzmir Matematik Günleri III, Audience, İzmir, Turkey, 2020

İzmir Matematik Günleri III, Session Moderator, İzmir, Turkey, 2020

III.Kadın Matematikçiler Derneği Çalıştayı, Audience, İzmir, Turkey, 2016

III.Kadın Matematikçiler Derneği Çalıştayı, Session Moderator, İzmir, Turkey, 2016

Function Theory and Complex Variables, Audience, İzmir, Turkey, 2013

Kadın ve Bilim-1, Audience, Ankara, Turkey, 2012

Modern Complex Analysis and Operator Theory and Applications, Audience, Madrid, Spain, 2009

6th International Conference on Computational Methods and Function Theory, Audience, Ankara, Turkey, 2009

6th International ISAAC Congress, Audience, Ankara, Turkey, 2007

International Workshop on Analysis and its Applications, Audience, Mersin, Turkey, 2004

International Akhiezer Centenary Conference in Theory of Functions and Mathematical Physics, Audience, Kharkiv, Ukraine, 2001

Scholarships

TA Scholarship, University, 1997 - 2003

Full Scholarship, University, 1991 - 1997

Awards

Gergün S., Orhan Alisbah Awards, Bilsel Alisbah , October 2000