

Assoc. Prof. Erdal GÜL

Personal Information

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik , Turkey 1992 - 1997

Post Graduate, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik , Turkey 1990 - 1992

Under Graduate, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik , Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Erasmus Programı, Aarhus University, 2010

Education Management and Planning, Erasmus Programı, Aarhus University, 2009

Education Management and Planning, SUMMER SCHOOL ON MATHEMATICAL CONTROL THEORY, International Centre for Theoretical Physics, ICTP, 2001

Education Management and Planning, ICTP Mathematics Diploma Project, International Centre for Theoretical Physics, ICTP, 1995

Dissertations

Doctorate, Abelyen Olmayan Kompakt Lie Grupları Üzerinde Kontrol Sistemleri, Yıldız Teknik Üniversitesi, Matematik, Matematik, 1997

Post Graduate, İki Boyutlu Manifoldlar, Yıldız Teknik Üniversitesi, Matematik, Matematik, 1992

Research Areas

Mathematics, Functional Analysis

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics, 2013 - Continues

Assistant Professor, Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics, 2001 - 2013

Lecturer PhD, Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics, 1997 - 2001

Research Assistant, Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics, 1991 - 1997

Courses

Matematik 1 (Gr. 13), Under Graduate, 2019 - 2020
Post Graduate, 2019 - 2020
Matematik 2 (Gr.9), Under Graduate, 2018 - 2019
Reel Analiz, Post Graduate, 2018 - 2019
Lineer Operatörlere Giriş, Under Graduate, 2017 - 2018
Lineer Cebir, Under Graduate, 2016 - 2017, 2017 - 2018
Topolojiye Giriş (Gr. 1), Under Graduate, 2016 - 2017, 2017 - 2018
Lineer Operatörler I, Post Graduate, 2016 - 2017
Topoloji, Post Graduate, 2016 - 2017
Topolojiye Giriş (Gr. 2), Under Graduate, 2016 - 2017

Advising Theses

GÜL E., Makine Öğrenme Problemlerinde İçbükey olmayan Optimizasyon Modellerinin Yakınsaklık Analizi, Doctorate, D.Üçüncü(Student), Continues
GÜL E., Banach Örgülünde Dunford-Pettis Operatörleri, Post Graduate, D.Üçüncü(Student), 2017
GÜL E., Dördüncü Mertebeden Sınırlı Operatör Katsayılı Bir Diferansiyel Operatörün İkinci Düzenli İzi, Doctorate, A.Ceyhan(Student), 2017
GÜL E., Düzgün Uzaylar, Post Graduate, G.Torcü(Student), 2016
GÜL E., Kontrol Edilebilirlik ve Lie Cebirinin Normalizörü Kullanılarak Sistemlerin İncelenmesi, Post Graduate, H.Handan(Student), 2016
GÜL E., İkinci Mertebeden Lineer Diferansiyel Denklemlerin Seri Çözümleri, Post Graduate, D.Üçüncü(Student), 2016

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, İstanbul Aydın Üniversitesi, November, 2019
Appointment Academic Staff, Appointment Academic Staff, Kırklareli Üniversitesi, July, 2018
Appointment Academic Staff, Yardımcı Doçentlik Jürisi, T.C. Haliç Üniversitesi, July, 2017
Appointment Academic Staff, Yardımcı Doçentlik Jürisi, T.C. Haliç Üniversitesi, March, 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **On the regularized trace of a second order differential operator**
Gul E.
APPLIED MATHEMATICS AND COMPUTATION, vol.198, pp.471-480, 2008 (Journal Indexed in SCI)
- **The trace formula for Sturm-Liouville operator with operator coefficient**
Adiguzelov E., Avci H., Gul E.
JOURNAL OF MATHEMATICAL PHYSICS, vol.42, pp.2611-2624, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Abel extensions of some classical Tauberian theorems**
Gül E., Albayrak M.
Creative Mathematics and Informatics, vol.28, no.2, pp.105-112, 2019 (Refereed Journals of Other Institutions)
- **ON THE TRACE FORMULA FOR A DIFFERENTIAL OPERATOR OF SECOND ORDER WITH UNBOUNDED OPERATOR COEFFICIENT**
Gül E., Üçüncü D.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.9, pp.31-38, 2018 (Journal Indexed in ESCI)
- **TAUBERIAN THEOREMS FOR STATISTICAL CONVERGENCE**

Gül E., Albayrak M.

TAMKANG JOURNAL OF MATHEMATICS, vol.48, pp.321-330, 2017 (Journal Indexed in ESCI)

- **On Abel Convergent Series of Functions**

GÜL E., Albayrak M.

Journal of Advances in Mathematics, vol.11, no.9, pp.5639-5644, 2016 (Refereed Journals of Other Institutions)

- **A regularized trace formula for a differential operator of second order with unbounded operator coefficients given in a finite interval**

Gül E.

International Journal of Pure and Applied Mathematics, vol.32, pp.225-244, 2006 (Refereed Journals of Other Institutions)

- **The trace formula of a differential operator of fourth order with bounded operator coefficients and two terms**

Gül E.

Turkish Journal of Mathematics, vol.28, pp.213-254, 2004 (Refereed Journals of Other Institutions)

- **Formula for the highly regularized trace of Sturm Liouville operator with unbounded operator coefficients which has singularity**

Albayrak F. İ. , Baykal Ünal O., Gül E.

Turkish Journal Of Mathematics, vol.25, pp.307-322, 2001 (Refereed Journals of Other Institutions)

- **Asymptotic formula for the number of eigenvalues of a differential operator.**

Adiguzelov E., Avci H., Gül E.

Proyecciones Journal of Mathematics, vol.20, pp.65-82, 2001 (Refereed Journals of Other Institutions)

- **An application of Gauss-Bonnet Theorem,**

GÜL E.

Pro-Mathematica, vol.13, pp.11-16, 1999 (Refereed Journals of Other Institutions)

- **Contrability of Linear Systems on Non-Abelian Compact Lie Groups**

GÜL E.

Pro Mathematica, vol.12, pp.17-22, 1998 (Refereed Journals of Other Institutions)

- **The Hessian tensor on a hypersurface in Euclidean space and Otsuki's lemma"**

Gül E.

Turkish Journal of Mathematics, vol.21, pp.375-380, 1997 (Refereed Journals of Other Institutions)

Book & Book Chapters

- **Topolojiye Giriş**

GÜL E.

Papatya Yayıncılık, İstanbul, 2018

- **in: Kompleks Analiz ve Uygulamaları**

GÜL E.

Analitik Fonksiyonlar, Ahmet DERNEK, Editor, Nobel Yayın Dağıtım, Ankara, pp.127-156, 2013

Refereed Congress / Symposium Publications in Proceedings

- **The regularized trace on a Banach space**

Gül E.

Banach Spaces and Their Applications, Lviv, Ukraine, 26 Haziran - 29 Temmuz 2019, pp.41-44

- **Optimality Conditions for Sparse Quadratic Optimization Problem**

ÜÇÜNCÜ D., AKYÜZ S., GÜL E., WEBER G. W.

International Conference on Engineering Optimization -EngOpt 2018, Lisboa, Portugal, 17 Eylül 2018, pp.766-777

- **Seyrek Kuadratik Optimizasyon Problemi için Optimalite Koşul İncelemesi**

ÜÇÜNCÜ D., AKYÜZ S., GÜL E., WEBER G. W.

38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi (YAEM-2018), Eskişehir, Turkey, 26 Haziran 2018, pp.14

- **On the second regularized trace formula for a differential operator with unbounded coefficients**
Gül E.
Algebraic and geometric methods of analysis, Odesa, Ukraine, 30 Mayıs - 04 Haziran 2018
- **On Abel Convergence**
GÜL E., ALBAYRAK M.
International Conference on Mathematical Advances and Applications (ICOMAA-2018), İstanbul, Turkey, 11 Mayıs 2018, pp.48
- **On The Trace Formula for a Differential Operator of Second Order with Unbounded Operator Coefficients**
GÜL E., ÜÇÜNCÜ D.
13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 Temmuz 2017, vol.1, pp.111
- **Dunford-Pettis Operators and Schur Property**
Gül E., Üçüncü D.
International Conference on Mathematics and Engineering (ICOME 2017), İstanbul, Turkey, 10 Mayıs 2017, pp.116
- **Tauberian Theorems for Statistical Convergence**
GÜL E., ALBAYRAK M.
International Conference on Mathematics and Engineering (ICOME 2017), İstanbul, Turkey, 10 Mayıs 2017, vol.1, pp.394
- **On the second regularized trace of a differential operator with bounded operator coefficient**
Gül E., Ceyhan A.
International Conference of Applied Sciences, Engineering and Mathematics (ICASEM 2017), Ohrid, Macedonia, 5 - 07 Mayıs 2017, vol.1, pp.52
- **On Regularized Trace of a Differential Operator of Second Order**
GÜL E., Ucuncu D.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- **On Regularized Trace Formula of a Differential Operator with Operator Coefficients Defined on a Finite Interval**
Gül E.
The 14th International Conference on Mathematics and its Applications, Timisoara, Romania, 5 - 07 Kasım 2015, pp.11
- **On the regularized trace of a differential operator with operator coefficients**
Gül E.
Young Researchers in Mathematics , Edinburgh, Scotland, 17 - 20 Haziran 2013, pp.3
- **Calculation of the regularized trace of a differential operator with operator coefficients**
Gül E.
Operator Theory, Analysis and Mathematical Physics (OTAMP2012) , Barcelona, Spain, 11 - 14 Haziran 2012, pp.1
- **Sınırsız operatör katsayılı bir diferansiyel operatörün düzenli izi**
Gül E.
5. Ankara Matematik Günleri Kongresi, Ankara, Turkey, 3 - 04 Haziran 2010
- **Sonlu aralıkta verilmiş sınırlı operatör katsayılı bir diferansiyel operatörün düzenli izi**
Gül E.
XX. Ulusal Matematik Sempozyumu, Erzurum, Turkey, 3 - 06 Eylül 2007, pp.25
- **On regularized trace of a differential operator of second order with unbounded operator coefficients**
Gül E.
Fourth International Conference of Applied Mathematics and Computing, Plovdiv, Bulgaria, 12 - 18 Ağustos 2007, pp.19
- **A regularized trace formula for a differential operator of second order with bounded operator coefficients**
Gül E.
II. Türk Dünyası Matematik Sempozyumu, Sakarya, Turkey, 4 - 07 Temmuz 2007, pp.70
- **On the regularized trace Formula of a self-adjoint differential operator of fourth order with operator coefficients given in a finite interval**
Gül E.

Supported Projects

GÜL E., TUBITAK Project, Monotonik Homotopi ve Lie Semigruları, 2016 - 2018

Scientific Refereeing

Maltepe Journal of Mathematics, Other Indexed Journal, December 2019

Sigma Journal of Engineering and Natural Sciences, National Scientific Refreed Journal, April 2019

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi , National Scientific Refreed Journal, September 2018

Sigma Journal of Engineering and Natural Sciences , National Scientific Refreed Journal, February 2018

TURKISH JOURNAL OF MATHEMATICS, SCI Journal, January 2016

ADVANCES IN DIFFERENCE EQUATIONS, Journal Indexed in SCIE, October 2015

Sigma Journal of Engineering and Natural Sciences, National Scientific Refreed Journal, May 2015

Citations

Total Citations (WOS):20

h-index (WOS):3