Asst. Prof. Özlem BAKŞİ

Personal Information

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Education Information

Doctorate, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, Turkey 1994 - 1999 Post Graduate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, Matematik, Turkey 1992 -1994

Under Graduate, Ytu, Fen Edebıyat, Matematık, Turkey 1988 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sınırsız Operatör Katsayılı Sturm-Liouville Denkleminin İz Formülü, Yıldız Teknik Üniversitesi, Matematik, Analiz Ve Fonksiyonlar Teorisi, 1999

Post Graduate, 2-Dizayn ve 3-Dizayn ların İncelenmesi, Yıldız Teknik Üniversitesi, Matematik, Cebir Ve Sayılar Teorisi, 1994

Research Areas

Mathematics, Differential Equations, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, 2017 - Continues Assistant Professor, The Ohio State University, Collage of Art and Science, Department of Mathematics, 2016 - 2017 Assistant Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, 2006 - 2016 Lecturer PhD, Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics, 2000 - 2006 Research Assistant, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakultesi, Matematik, 1993 - 2000

Courses

Reel Analize Giris, Under Graduate, 2017 - 2018, 2018 - 2019

Jury Memberships

Academic Staff Examination, Yüksek Lisans İngilizce Matematik Sınavı, Matematik Bölümü Yüksek Lisans Sınavı, May, 2018

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

- I. On Higher Regularized Traces of a Differential Operator with Bounded Operator Coefficient Given in a Finite Interval Sezer Y., Bakşi Ö., Karayel S. Mediterranean Journal Of Mathematics, no.90, pp.1, 2021 (Journal Indexed in SCI Expanded)
 II. BASIS PROPERTIES OF p-EXPONENTIAL FUNCTION OF LINDQVIST AND PEETRE TYPE BAKŞİ Ö., Gurka P., Lang J., Mendez O. MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.21, no.4, pp.1003-1013, 2018 (Journal Indexed in SCI)
 III. STRICT S-NUMBERS OF THE VOLTERRA OPERATOR
- BAKŞİ Ö., Khan T., Lang J., Musil V.
 PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.146, no.2, pp.723-731, 2018 (Journal Indexed in SCI)
- IV. Second regularized trace of a differential operator with second order unbounded operator coefficient given in a finite interval
 Bakşi Ö., Karayel S., Sezer Y.
 Operators and Matrices, vol.11, pp.735-747, 2017 (Journal Indexed in SCI)
- V. Basis properties of Lindqvist-Peetre functions in L-r (0,1)(n)
 Bakasi O., Gurka P., Lang J., Mendez O.
 REVISTA MATEMATICA COMPLUTENSE, vol.30, no.1, pp.1-12, 2017 (Journal Indexed in SCI)
- VI. The third regularized trace formula for the Sturm-Liouville operator with the bounded operator coefficient Baksi O., Adiguezelov E.

MATHEMATICAL AND COMPUTER MODELLING, vol.52, pp.1846-1857, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. The regularization problem for higher order differential operator
 Sezer Y., Karayel S., Bakşi Ö.
 Maltepe Journal of Mathematics, vol.2, no.1, pp.27-37, 2020 (International Refereed University Journal)
- II. TRACE REGULARIZATION PROBLEM FOR HIGHER ORDERDIFFERENTIAL OPERATOR Sezer Y., Bakşi Ö., Karayel S.
 Maltepe Journal of Mathematics, vol.2, no.1, pp.27-37, 2020 (International Refereed University Journal)
- III. The Regularized Trace of Two Terms Differential Operator in the Space H1 = L2 (0, 喜要) BAKŞİ Ö.

Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, pp.1594-1605, 2019 (Other Refereed National Journals)

IV. The sum of subtraction of the eigenvalues of two self-adjoint differential operators with unbounded operator coefficient

Karayel S., Bakşi Ö., Sezer Y.

International Journal of Pure and Applied Mathematics, vol.3, no.63, pp.255-268, 2010 (Refereed Journals of Other Institutions)

 V. Sonlu Aralıkta Verilmiş İkinci Mertebeden Bir Diferansiyel Operatörün Negatif Özdeğerlerinin Toplamı İçin Asimtotik Formül BAKŞİ Ö., Sedi İ. Sigma Mühendislik ve Fen Bilimleri Dergisi, pp.87-98, 2005 (Other Refereed National Journals)

VI. On a regularized trace of a differential operator with bounded operator coefficient. BAKŞİ Ö., Adiguzelov E.

International Mathematical Journal, vol.3, pp.273-286, 2004 (National Non-Refereed Journal)

VII. SONLU BİR ARALIKTA VERİLMİŞ DİFERANSİYEL OPERATÖR DENKLEMİNİN DÜZENLİ İZİ ÜZERİNE Bakşi Ö., Adiguzelov E.

Sigma Journal of Engineering and Natural Sciences, no.1, pp.47-55, 2004 (National Refreed University Journal)

VIII. On the Regularized Trace of the Differential Operator Equation Given in Finite Interval Operator Ehliman A., BAKŞİ Ö.

Sigma Mühendislik ve Fen Bilimleri Dergisi, pp.47-55, 2004 (Other Refereed National Journals)

IX. The asymptotic behaviour of the negative part of the spectrum of Sturm-Liouville operator with the operator coefficient which has singularity

BAKŞİ Ö., Bayramov A.

International Journal of Differential Equations and Applications, no.4, pp.315-329, 2002 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. The Second Regularized Trace of Even Order Differential Operators with Operator Coefficient BAKŞİ Ö., SEZER Y.

Fourth International Conference of Mathematical Sciences (ICMS 2020), İstanbul, Turkey, 21 June 2020, vol.1, pp.39

- II. On the Identities of Generalized Trigonometric Functions
 - BAKŞİ Ö.

4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017

 III. On the basis properties of generalized trigonometric functions of Lindquvist-Peetre type in the Lebesque space Lr(0,1)n
 BAKŞİ Ö.

Banach Spaces and Operator Theory with Applications, Poznan, Poland, 3 - 07 July 2017

IV. Some inequalities about the eigenvalues of a two terms differential operator and the sum of the eigenvalues of that operator BAKŞİ Ö.

The Eigth Congress of Romanian Mathematicians, 01 June 2015

V. On the Regularized Trace of an Operator which has Purely-discreate Spectrum BAKŞİ Ö.

10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, 01 July 2014

VI. On the Trace of an Even Order Differential Operator BAKŞİ Ö.

ICREA Conference on Approximation Theory and Fourier Analysis, 01 December 2011

VII. The Regularized Trace Formula For a Differential Operator of Fourth order with bounded operator Coefficient

SEZER Y., BAKŞİ Ö., KARAYEL S.

International Conference on Mathematical Sciences, Bolu, Turkey, 23 - 27 November 2010

VIII. Sınırlı Operator Katsayılı İki Terimli Bir Diferansiyel Operator İçin İz Formülü BAKŞİ Ö.

5. Ankara Matematik Günleri, 01 June 2010

IX. The Asymptotic Formula for the Subtraction of eigenvalues of a second order Differential operator Bakşi Ö., Karayel S., Sezer Y.

International Symposium on Analysis and theory of Functions, İstanbul Kültür University, İstanbul, Turkey, 24 - 26

August 2009, pp.41-42

X. On the Asymptotic Behaviour of the Negative Part of Second Order Differential Operator BAKŞİ Ö.

International Conference of Mathematical Science, 01 August 2009

XI. On the Asymptotic Behaviour of the Sum of the Negative Eigenvalues of a Differential Operator Given in Semi-Axis BAKŞİ Ö.

Fifth International Conference of Applied Mathematics and Computing, 01 August 2008

XII.İkinci Mertebeden Operatör Katsayılı Bir Diferansiyel Operatörün Düzenli İzinin HesaplanmasıAdıgüzelov E., BAKŞİ Ö.

XI. Ulusal Matematik Sempozyumu, Isparta, Turkey, 7 - 11 September 1998

Scientific Refereeing

Esitsizlikler ve uygulamalar dergisi, SCI Journal, November 2015 Fark Denklemlerinde Ileri Duzey, SCI Journal, October 2015

Tasks In Event Organizations

Bakși Ö., International Conference on Mathematical Advances and Applications, Scientific Congress, İstanbul, Turkey, Mayıs 2018

Mobility Activity

Post Doc, Post Doc, The Ohio State University, United States Of America, 2016 - 2017

Edit Congress and Symposium Activities

4th International Conference on Pure and Applied Sciences: Renewable Energy, Working Group, İstanbul, Turkey, 2017
Banach Spaces and Operator Theory with Applications, Attendee, Poznan, Poland, 2017
The Eigth Congress of Romanian Mathematicians, Working Group, Iasi, Romania, 2015
10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Working Group, Madrid, Spain, 2014
ICREA Conference on Approximation Theory and Fourier Analysis, Working Group, Barcelona, Spain, 2012
International Conference on Mathematical Sciences, Bolu, Working Group, Bolu, Turkey, 2010
5. Ankara Matematik Günleri, Working Group, İstanbul, Turkey, 2010
International Symposium on Analysis and Theory of Functions, Working Group, İstanbul, Turkey, 2009
International Conference of Mathematical Science, Working Group, İstanbul, Turkey, 2009
Fifth International Conference of Applied Mathematics and Computing, Working Group, Plovdiv, Bulgaria, 2008
XI. Ulusal Matematik Sempozyumu, Working Group, Isparta, Turkey, 1998

Citations

Total Citations (WOS):5 h-index (WOS):2

Awards

Bakşi Ö., Teşvik Ödülü , Yıldız Teknik Üniversitesi, Ytü, February 2012