

## Assoc. Prof. Seda KIZILBUDAK ÇALIŞKAN

### Personal Information

**Office Phone:** [+90 212 383 4318](tel:+902123834318)

**Email:** skizilb@yildiz.edu.tr

**Other Email:** sbcalis15@gmail.com

**Web:** <https://avesis.yildiz.edu.tr/skizilb>

### Education Information

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik , Turkey 1995 - 1999

Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, Turkey 1993 - 1995

Under Graduate, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik , Turkey 1989 - 1993

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Dördüncü Mertebeden Diferansiyel Operatör Denklemnin Green Fonksiyonu ve Özdeğerlerinin Asimtotik İfadesi , Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, 1997

Post Graduate, Adi Diferansiyel Denklemler İçin Green Fonksiyonları, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, 1992

### Research Areas

Mathematics, Differential Equations, Fourier Analysis, General Mathematics, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik, 2017 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik, 2007 - 2017

Lecturer PhD, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik, 2000 - 2007

Research Assistant PhD, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik, 1999 - 2000

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Matematik, 1998 - 1999

Research Assistant, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, 1995 - 1998

### Courses

Operatör teori I, Post Graduate, 2019 - 2020

HARMONİK ANALİZ, Post Graduate, 2018 - 2019

Diferansiyel Denklemler için Green Fonksiyonları, Post Graduate, 2017 - 2018

Diferansiyel Operatörlerin Spektral Teorisi, Post Graduate, 2016 - 2017

Matematik Analiz IV, Under Graduate, 2016 - 2017

## Advising Theses

Kızılbudak Çalışkan S., İkinci mertebeden bir operatör denklemin düzenli izi, Post Graduate, L.ÖZEN(Student), 2018  
Kızılbudak Çalışkan S., Geç Kalan Argümentli Sturm-Liouville Operatörünün Spektral Analizi, Post Graduate, S.Tosuncu(Student), 2017

## Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Haliç Üniversitesi, September, 2019  
Appointment Academic Staff, Doktor öğretim üyesi atanma, Maltepe Üniversitesi, July, 2018  
Appointment Academic Staff, Doktor öğretim üyesi atanma, Kırklareli Üniversitesi, July, 2018  
Doctorate, Doktora Tez Savunma Jürisi (Haziran 2017), Yıldız Teknik Üniversitesi, June, 2017

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

- **EIGENVALUES AND EIGENFUNCTIONS OF DISCONTINUOUS TWO-POINT BOUNDARY VALUE PROBLEMS WITH AN EIGENPARAMETER IN THE BOUNDARY CONDITION**  
Caliskan S., BAYRAMOV A., Oer Z., USLU S.  
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.43, pp.1871-1892, 2013 (Journal Indexed in SCI)
- **The second regularized trace of differential operator equation with the semi-periodic boundary conditions**  
Bayramov A., Caliskan S., Akgun F.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.35, pp.2185-2197, 2012 (Journal Indexed in SCI)
- **Computation of eigenvalues and eigenfunctions of a discontinuous boundary value problem with retarded argument**  
Bayramov A., Uslu S., Caliskan S.  
APPLIED MATHEMATICS AND COMPUTATION, vol.191, pp.592-600, 2007 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **THE REGULARIZED TRACE FORMULA OF A SECOND ORDER DIFFERENTIAL EQUATION GIVEN WITH ANTI-PERIODIC BOUNDARY CONDITIONS**  
Kızılbudak Çalışkan S., Özen L.  
Cumhuriyet Science Journal, vol.40, pp.784-791, 2019 (National Refreed University Journal)
- **On the regularized trace of a fourth order regular differential equation.**  
Kızılbudak Çalışkan S., Bayramov A., Özçubukcu Z., Uslu S.  
International journal of contemporary mathematical sciences, vol.1, pp.245-254, 2006 (Refereed Journals of Other Institutions)
- **On The Trace Formula Of Second Order Differential Equation Given With Non Seperable Boundary Conditions**  
Kızılbudak Çalışkan S., Bayramov A., Uslu S.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, pp.57-64, 2005 (National Refreed University Journal)
- **On the Asymptotic Expression Of The Number Of Eigenvalues Of Differential Equation With The Operator Coefficient**  
Kızılbudak Çalışkan S.  
sigma mühendislik ve fen bilimleri dergisi, pp.28-33, 2004 (National Refreed University Journal)
- **On The Green Function Of Fourth Order Differential Equation With Two Term Given In Semi-Axis**  
Kızılbudak Çalışkan S., Bayramoğlu M.  
International mathematical journal, vol.3, no.11, pp.1177-1192, 2003 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- **ON SPECTRAL PROPERTIES AND FUNDAMENTAL SOLUTIONS OF A DISCONTINUOUS ONE-POINT BOUNDARY VALUE PROBLEM**  
Kızılbudak Çalışkan S., Oynar Ş.  
2nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 Mayıs 2019, pp.98
- **ON THE REGULARIZED TRACE FORMULA OF DIFFERENTIAL EQUATION GIVEN WITH ANTI-PERIODIC BOUNDARY CONDITIONS**  
KIZILBUDAK ÇALIŞKAN S.  
“European Women in Mathematics General Meeting 2018 Celebrating 30 Years of EWM”, Graz, Austria, 03 Eylül 2018, pp.26
- **GEÇ KALAN ARGÜMANLI BİR SINIR DEĞER PROBLEMİNİN ÖZ DEĞERLERİNİN ve ÖZ FONKSİYONLARININ ASİMTOTİK İFADELERİ**  
KIZILBUDAK ÇALIŞKAN S., GİCA S.  
30.Ulusal Matematik Sempozyumu, Ankara, Turkey, 06 Eylül 2017, pp.40
- **Asymptotic formulas for eigenvalues and eigenfunctions of a discontinuous BVP with lag argument and spectral parameter in the boundary condition**  
KIZILBUDAK ÇALIŞKAN S.  
3rd International Conference on Pure and Applied Sciences, Dubai, United Arab Emirates, 02 Şubat 2017, pp.16
- **Spectral properties of eigenvalues and eigenfunctions of a discontinuous boundary value problem with retarded argument**  
KIZILBUDAK ÇALIŞKAN S., USLU S.  
VI. Congress of Mathematicians of Macedonia, Ohrid, Macedonia, 15 Haziran 2016, pp.61
- **On the regularized trace of differential operator equation**  
KIZILBUDAK ÇALIŞKAN S.  
Operator theory, analysis and mathematical physics, Barselona, Spain, 11 Haziran 2012, pp.17
- **On the regularized trace formula for regular Sturm- Liouville problem**  
KIZILBUDAK ÇALIŞKAN S., USLU S.  
International Symposium on Analysis and Theory of Functions, İstanbul, Turkey, 24 Ağustos 2009, pp.40
- **On spectral property of a discontinuous two-point boundary value problems with a spectral parameter in the boundary condition**  
KIZILBUDAK ÇALIŞKAN S., Bayramov A., ÖZÇUBUKCU Z., USLU S.  
5th International Conference of Applied Mathematics and Computing, Plovdiv, Bulgaria, 12 Ağustos 2008, pp.64
- **On asymptotic of eigenvalues and eigenfunctions of a discontinuous boundary value problem with lag argument and the eigenparameter in the boundary conditions**  
KIZILBUDAK ÇALIŞKAN S., Bayramov A.  
II. Türk Dünyası Matematik Sempozyumu, Sakarya, Turkey, 04 Temmuz 2007, pp.15-16
- **Dördüncü Mertebeden Operatör Katsayılı Bir DiferansiyelDenklemin Özdeğerlerinin Asimtotik Davranışı**  
KIZILBUDAK ÇALIŞKAN S., Bayramoğlu M.  
16. Ulusal Matematik Sempozyumu, Van, Turkey, 10 Eylül 2003, pp.12
- **On the resolvent of a differential equation with normal operator coefficient given in semi-axis**  
KIZILBUDAK ÇALIŞKAN S., Bayramoğlu M.  
15. Ulusal Matematik Sempozyumu, Mersin, Turkey, 04 Eylül 2002, pp.36

## Scientific Refereeing

Geç kalan argumentli yeni bir süreksiz Sturm-Liouville probleminin çözümlerinin asimtotik davranışı, SCI Journal, January 2014

## Citations

Total Citations (WOS):27

h-index (WOS):2