Assoc. Prof. SEVİM DURAK

Personal Information

Email: sdurak@cumhuriyet.edu.tr
Web: https://avesis.cumhuriyet.edu.tr/sdurak

International Researcher IDs
ORCID: 0000-0003-2591-4768
Yoksis Researcher ID: 57196

Courses

Diferansiyel Denklemler, Undergraduate, 2019 - 2020
Matematik, Undergraduate, 2019 - 2020
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Temel Matematik, Undergraduate, 2019 - 2020
Strum-Liouville Operatörler İçin Ters Problemler, Postgraduate, 2019 - 2020
Mühendislik Matematiği, Undergraduate, 2019 - 2020
Seminer Dersi, Postgraduate, 2019 - 2020
Diferansiyel Denklemler, Undergraduate, 2019 - 2020
Mühendislik Matematiği, Undergraduate, 2019 - 2020
Genel Matematik - II, Undergraduate, 2018 - 2019
Genel Metamatik, Undergraduate, 2018 - 2019
Genel Matematik - I, Undergraduate, 2018 - 2019
Genel Matematik - I, Undergraduate, 2018 - 2019
Bitirme Ödevi/Tezi, Undergraduate, 2018 - 2019
Matematik - II, Undergraduate, 2016 - 2017
Matematik - I, Undergraduate, 2017 - 2018
Genel Matematik - II, Undergraduate, 2016 - 2017
Genel Matematik - II, Undergraduate, 2016 - 2017
Genel Matematik - II, Undergraduate, 2016 - 2017
Genel Matematik - I, Undergraduate, 2016 - 2017
Diferansiyel Denklemler, Undergraduate, 2015 - 2016
Diferansiyel Denk., Undergraduate, 2015 - 2016
Diferansiyel Denklemler Ve Lineer Cebir, Undergraduate, 2014 - 2015
Diferansiyel Denklemler, Undergraduate, 2014 - 2015
Diferansiyel Denklemler Ve Lineer Cebir, Undergraduate, 2014 - 2015
Diferansiyel Denklemler, Undergraduate, 2013 - 2014
Genel Matematik II, Undergraduate, 2012 - 2013
Diferansiyel Denklemler, Undergraduate, 2013 - 2014
Genel Metamatik, Undergraduate, 2013 - 2014
Genel Matematik II, Undergraduate, 2012 - 2013
Yöneyler ve Dizeyler, Undergraduate, 2011 - 2012
Yöneyler ve Dizeyler, Undergraduate, 2011 - 2012
Diferansiyel Denklemler, Undergraduate, 2011 - 2012
Yöneyler ve Dizeyler, Undergraduate, 2011 - 2012
Yöneyler ve Dizeyler, Undergraduate, 2011 - 2012

Genel Matematik - II, Undergraduate, 2010 - 2011
Genel Matematik - II, Undergraduate, 2010 - 2011
Genel Matematik - I, Undergraduate, 2011 - 2012
Diferansiyel Denk., Undergraduate, 2010 - 2011
Diferansiyel Denklemler, Undergraduate, 2011 - 2012
Genel Matematik I, Undergraduate, 2010 - 2011
Genel Matematik - I, Undergraduate, 2010 - 2011
Yüksek Matematik, Undergraduate, 2010 - 2011
Yüksek Matematik, Undergraduate, 2010 - 2011
Analiz-I, Undergraduate, 2009 - 2010
Analiz-II, Undergraduate, 2009 - 2010
Analiz-I, Undergraduate, 2008 - 2009
Genel Matematik I, Undergraduate, 2007 - 2008
Genel Matematik - I, Undergraduate, 2007 - 2008
Genel Matematik - II, Undergraduate, 2005 - 2006
Temel Matematik, Undergraduate, 2005 - 2006
Matematik, Associate Degree, 2004 - 2005
Matematik, Associate Degree, 2004 - 2005
Matematik, Associate Degree, 2004 - 2005
Matematik, Associate Degree, 2004 - 2005

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Inverse nodal problem for singular Sturm-Liouville operator on a star graph**
AMİROV R., ARSLANTAŞ M., DURAK S.
Journal of Inverse and Ill-Posed Problems, vol.32, no.1, pp.1-8, 2024 (SCI-Expanded)
II. **Inverse nodal problem for diffusion operator on a star graph with nonhomogeneous edges**
DURAK S.
Journal of Inverse and Ill-Posed Problems, 2023 (SCI-Expanded)
III. **Inverse nodal problem for Sturm-Liouville operator on a star graph with nonequal edges**
DURAK S.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.6, pp.2178-2192, 2022 (SCI-Expanded)
IV. **Self-adjoint extensions for a class of singular operators**
AMİROV R., HUSEYNOV H. M., DURAK S.
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.1, pp.300-304, 2021 (SCI-Expanded)
V. **Half inverse problems for the impulsive quadratic pencil with the discontinouty coefficient**
Amirov R., Durak S.
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.4, pp.1847-1870, 2021 (SCI-Expanded)
VI. **Half-inverse problems for the quadratic pencil of theSturm-Liouvilleequations with impulse**
AMİROV R., ERGÜN A., DURAK S.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, vol.37, no.1, pp.915-924, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. **Half inverse problems for the singular Sturm-Liouville operator**
Amirov R., Durak S.
International Journal of Nonlinear Analysis and Applications, vol.13, no.2, pp.3161-3171, 2022 (Peer-Reviewed Journal)
II. **Behaviors of Eigenvalues and Eigenfunctions of The Singular Shrodinger Operator**

Amirov R., Durak S.
Turkish Journal of Mathematics and Computer Science, vol.12, no.2, pp.151-156, 2020 (Peer-Reviewed Journal)

III. **On the Solutions of the Singular Differential Equations**
Amirov R., Durak S.
Turkish Journal of Mathematics and Computer Science, no.10, pp.249-255, 2018 (Peer-Reviewed Journal)

IV. **INTEGRAL REPRESENTATION FOR THE STURM LIOUVILLE OPERATOR WITH DISCONTINUOUS COEFFICIENT**
AMİROV R., DURAK S.
Cumhuriyet Science Journal, vol.36, no.5, pp.113, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Inverse Nodal Problems For Sturm-Liouville Operators With Singular Coefficient**
Durak S., Çongar E. A.
International Conference on Mathematics and Mathematics Education (ICMME2022), Denizli, Turkey, 22 - 24 September 2022, pp.65-66

II. **INVERSE NODAL PROBLEMS FOR STURM-LIOUVILLE OPERATORS WITH SINGULAR POTENTIAL**
Çongar E. A., Durak S.
AL FARABI 4th INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Erzurum, Turkey, 19 - 20 August 2022, pp.80-82

III. **İkinci Mertebeden Singüler Diferansiyel Denklemlerin Bazı Özellikleri**
Amirov R., Durak S.
6th International Congress on Math. Eng. Nat. and Medical Scienc, Adana, Turkey, 8 - 10 March 2019, pp.268-274

IV. **Singüler Shrödinger Operatörünün Özellikleri**
Amirov R., Durak S.
II. Uluslararası Battalgazi Multidispliner Çalışmalar Kongresi, Malatya, Turkey, 15 - 17 March 2019, pp.669-675

V. **Singüler Dirac Operatörünün Özellikleri**
Amirov R., Durak S.
II. Uluslararası Battalgazi Multidispliner Çalışmalar Kongresi , Malatya, Turkey, 15 - 17 March 2019, pp.676-680

VI. **Inverse Problem For The Singular Sturm-Liouville Operator**
Amirov R., Durak S.
EJONS V. Interrnational journal on Mathematic, Engineering and Natural Sciences, Gaziantep, Turkey, 22 - 25 November 2018, pp.300-304

VII. **Inverse Problem for Sturm-Liouville Operators with Discontinous Coefficients and Spectral Parameter Dependent to Boundary Conditions**
DURAK S., AMİROV R.
International Conference on Mathematics and Mathematics Educations(ICMME-2017), 11 - 13 May 2017

Metrics

Publication: 22