

Asst. Prof. ABDULLAH ERGÜN

Personal Information

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Education Information

Doctorate, Tokat Gaziosmanpaşa University, Faculty Of Arts And Sciences, Turkey 2010 - 2015

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 2003 - 2006

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Differential Equations, Integral Equations, Operators

Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Ulaştırma Hizmetleri, 2016 - Continues

Lecturer, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Ulaştırma Hizmetleri, 2002 - 2016

Academic and Administrative Experience

Director of Vocational School, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, İmranlı Myo, 2020 - Continues

Head of Department, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Ulaştırma Hizmetleri, 2016 - Continues

Assistant Director of Vocational School, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Ulaştırma Hizmetleri, 2015 - 2019

Courses

Matematik - I, Associate Degree, 2019 - 2020

Matematik - II, Associate Degree, 2018 - 2019

Matematik - II, Associate Degree, 2018 - 2019

Matematik - I, Associate Degree, 2019 - 2020

Matematik - II, Associate Degree, 2017 - 2018

Matematik - II, Associate Degree, 2017 - 2018

Matematik - I, Associate Degree, 2018 - 2019

Matematik - I, Associate Degree, 2017 - 2018
 Matematik - II, Associate Degree, 2016 - 2017
 Matematik - I, Associate Degree, 2017 - 2018
 Matematik - I, Associate Degree, 2017 - 2018
 Matematik - II, Associate Degree, 2016 - 2017
 Matematik - II, Associate Degree, 2011 - 2012
 Matematik - II, Associate Degree, 2011 - 2012
 Genel Matematik, Undergraduate, 2010 - 2011
 Matematik - I, Undergraduate, 2007 - 2008
 Matematik - I, Undergraduate, 2007 - 2008
 Matematik II, Undergraduate, 2005 - 2006
 Matematik II, Undergraduate, 2005 - 2006
 Matematik-II, Undergraduate, 2005 - 2006
 Matematik IV, Undergraduate, 2005 - 2006
 Matematik, Associate Degree, 2005 - 2006
 Matematik, Associate Degree, 2005 - 2006

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

- I. **Half-inverse problems for the quadratic pencil of the Sturm-Liouville equations with impulse**
 AMIROV R., ERGÜN A., DURAK S.
 NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, vol.37, no.1, pp.915-924, 2021 (Journal Indexed in SCI)
- II. **INVERSE PROBLEM FOR SINGULAR DIFFUSION OPERATOR**
 ERGÜN A.
 MISKOLC MATHEMATICAL NOTES, vol.22, no.1, pp.173-192, 2021 (Journal Indexed in SCI)
- III. **A HALF-INVERSE PROBLEM FOR THE SINGULAR DIFFUSION OPERATOR WITH JUMP CONDITIONS**
 Ergün A.
 Miskolc Mathematical Notes, vol.2, no.21, pp.805-821, 2020 (Journal Indexed in SCI Expanded)
- IV. **Half inverse problem for diffusion operators with jump conditions dependent on the spectral parameter**
 ERGÜN A., AMIROV R.
 NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, 2020 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Asymptotics of Eigenvalues of the Matrix Diffusion Operators**
 Ergün A.
 Fundamentals of Contemporary Mathematical Sciences, vol.2, no.1, pp.1-7, 2021 (Refereed Journals of Other Institutions)
- II. **The Multiplicity of Eigenvalues of A Vectorial Singular Diffusion Equation with Discontinuous Conditions**
 Ergün A.
 Eastern Anatolian Journal of Science, vol.6, no.2, pp.22-34, 2020 (International Refereed University Journal)
- III. **Half inverse problems for the impulsive singular diffusion operator**
 Amirov R., Ergün A.
 Turkihs Journal of Science, vol.5, no.3, pp.186-198, 2020 (Refereed Journals of Other Institutions)
- IV. **The multiplicity of eigenvalues of a vectorial diffusion equations with discontinuous function inside a finite interval**

Ergün A.

Turkish Journal of Science, vol.5, no.2, pp.73-84, 2020 (Refereed Journals of Other Institutions)

V. PROPERTIES OF THE SPECTRUM FOR THE SINGULAR DIFFUSION OPERATOR

ERGÜN A., AMİROV R.

Asian Journal of Mathematics and Computer research, vol.2, no.26, pp.74-87, 2019 (Refereed Journals of Other Institutions)

VI. Direct and Inverse problems for diffusion operator with discontinuity points

ERGÜN A., AMİROV R.

Journal of Applied and Engineering Mathematics, vol.9, no.1, pp.9-21, 2019 (Journal Indexed in ESCI)

VII. Integral Representation for Solution of Discontinuous Diffusion Operator with Jump Conditions

ERGÜN A.

Cumhuriyet Science Journal, vol.39, no.4, pp.842-863, 2018 (Other Refereed National Journals)

VIII. Integral representation for the Solutions Diffusion Equation with Discontinuity Function at Interval

ERGÜN A., AMİROV R.

Asian Journal of Mathematics and Computer Research, vol.23, no.3, pp.124-140, 2018 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. HALF INVERSE PROBLEMS FOR THE IMPULSE QUADRATIC PENCIL WITH THE DISCONTINUITY COEFFICIENT

Ergün A., Amirov R.

ICMRS2020-3RD INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES: CURRENT TRENDS AND DEVELOPMENTS, Antalya, Turkey, 20 - 22 November 2020, pp.73-74

II. The multiplicity of eigenvalues of a vectorial singular diffusion equations with discontinuous conditions

ERGÜN A., AMİROV R.

2nd INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES, Antalya, Turkey, 27 - 30 April 2019, pp.1-19

III. Inverse problems for diffusion operator with discontinuity function

Ergün A.

ISMS-International Symposium on Multidisciplinary Studies, Paris, France, 26 - 27 June 2018, pp.3-4

IV. ON GLM TYPE MAIN INTEGRAL EQUATION FOR SINGULAR STURM-LIOUVILLE OPERATOR WHICH HAS DISCONTINUOUS COEFFICIENT

Topsakal N., Amirov R., Ergün A.

EJONS International Congress on Mathematic, Engineering and Natural Sciences-III, Mardin, Turkey, 21 - 22 April 2018, pp.1-2

V. ARALIKTA SÜREKSİZLİK FONKSİYONUNA SAHİP DİFÜZYON DENKLEMİNİN ÇÖZÜMLERİ İÇİN İNTEGRAL GÖSTERİLİM

Ergün A., Amirov R.

1. ULUSLARARASI İSTATİSTİK MATEMATİK VE ANALİTİK YÖNTEMLER KONGRESİ, İstanbul, Turkey, 2 - 03 March 2018, no.36934, pp.43-46