

## Lect. ALİ SEVİMLİCAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2000 - 2007

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1997 - 2000

Undergraduate, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, Turkey 1992 - 1997

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Problems for hyperbolic equation systems, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2007

Postgraduate, A Structure of generalized solutions for hyperbolic equations, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2000

### Research Areas

Mathematics, Differential Equations, Fourier Analysis, Integral Equations, Partial Differential Equations, Special Functions, Natural Sciences

### Academic Titles / Tasks

Lecturer, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2007 - Continues

Research Assistant, Dokuz Eylul University, Fen Ve Edebiyat Fakültesi, Matematik Pr. (İngilizce), 1992 - 1997

### Courses

PROJECT (DİPLOMA PROJESİ), Undergraduate, 2015 - 2016, 2014 - 2015

MATEMATİK III, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

LINEAR ALGEBRA, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

PARTİAL DİFFERENTİAL EQUATİONS, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

CALCULUS III, Undergraduate, 2015 - 2016

MATEMATİK II, Undergraduate, 2015 - 2016

APPLIED MATHEMATICS I, Undergraduate, 2015 - 2016, 2014 - 2015

APPLIED MATHEMATICS II, Undergraduate, 2014 - 2015, 2013 - 2014

MATEMATİK I, Undergraduate, 2014 - 2015, 2013 - 2014

DİFFERENTIAL EQUATIONS I, Undergraduate, 2014 - 2015, 2013 - 2014

## Advising Theses

SEVİMLİCAN A., Yarı kristallerin elastığının çözümüne bazı matematiksel ilkeler, Postgraduate,  
M.DERYA(Student), 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. AN ANALYTIC METHOD FOR THE INITIAL VALUE PROBLEM OF THE ELECTRIC FIELD SYSTEM IN VERTICAL INHOMOGENEOUS ANISOTROPIC MEDIA  
Yakhno V., SEVİMLİCAN A.  
APPLICATIONS OF MATHEMATICS, vol.56, no.3, pp.315-339, 2011 (SCI-Expanded)
- II. Constructing approximate Green's function for a vector equation for the electric field using the variational iteration method  
Sevimlican A.  
APPLIED MATHEMATICS LETTERS, vol.23, no.5, pp.533-536, 2010 (SCI-Expanded)
- III. Solving an initial value problem in inhomogeneous electrically and magnetically anisotropic uniaxial media  
Yakhno V. G., Sevimlican A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.215, no.11, pp.3839-3850, 2010 (SCI-Expanded)
- IV. An Approximation to Solution of Space and Time Fractional Telegraph Equations by He's Variational Iteration Method  
Sevimlican A.  
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2010, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. Fundamental Solution of the Cauchy Problem for an Anisotropic Electrodynamiс System  
Valery Y., SEVİMLİCAN A.  
Selçuk Journal Of Applied Mathematics, 2001 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. Elastodynamics of 3D Quasicrystals in Inhomogeneous Media  
SEVİMLİCAN A.  
INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians", 3 - 05 July 2019, pp.66
- II. Elastodynamics of 2D Quasicrystals in Inhomogeneous Media  
Dalyan M. D., SEVİMLİCAN A.  
VI. Kadın Matematikçiler Derneği Çalıştayı, Konya, Turkey, 26 - 28 April 2019, pp.21
- III. Quasicrystals  
Dalyan M. D., SEVİMLİCAN A.

İzmir Mathematics Days 2018, İzmir, Turkey, 26 - 27 August 2018, pp.5

**IV. Initial value problem for 2D quasicrystals in inhomogeneous media**

Sevimlican A., Altunkaynak M., Akmaz H. K.

KaratekinMathematics Days (KMD 2014), Çankırı, Turkey, 11 - 13 June 2014

**V. Initial Value Problem For the Vector Equation of Electric Field in Biaxial Media**

Yakhno V., SEVİMLİCAN A.

Workshop on Diferantial Equations and Applications, Ankara, Turkey, 8 - 10 February 2007

**VI. Initial value problem for electric field in anisotropic media**

Yakhno V., SEVİMLİCAN A.

XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 22 - 25 August 2006

**VII. A method for the recovery of the electric field vibration inside vertical inhomogenous anisotropic dielectrics Mathematical Methods in Engineering**

Yakhno V., SEVİMLİCAN A.

Mathematical Methods in Engineering, 27 - 29 April 2006

**VIII. Multi dimensional inverse problem for Maxwell s system with matrix dielectric permeability**

Valery Y., SEVİMLİCAN A.

The First International Conference , Inverse problems: Modelling and Simulation, Fethiye, Turkey, 14 - 21 July 2002

## Metrics

Publication: 13

Citation (WoS): 32

Citation (Scopus): 44

H-Index (WoS): 3

H-Index (Scopus): 3