

Asst. Prof. Hatice Taşkesen

Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 27874

Email: haticetaskesen@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/haticetaskesen>

Address: Van Yüzüncü Yıl Üniversitesi Fen Fakültesi Matematik Bölümü Zeve Kampüsü, 65080 VAN

Education Information

Doctorate, Dicle University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2006 - 2012

Undergraduate, Dicle University, Ziya Gökalp Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Doğrusal olmayan kısmi diferansiyel denklemlerin çözümlerinin matematiksel davranışı, Dicle University, Fen Bilimleri Enstitüsü, Matematik, 2012

Research Areas

Mathematics, Differential Equations, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, İstatistik Bölümü, 2013 - 2018

Academic and Administrative Experience

Van Yüzüncü Yıl University, Fen Fakültesi, İstatistik, 2018 - 2018

Van Yüzüncü Yıl University, Fen Fakültesi, 2017 - 2018

Van Yüzüncü Yıl University, Fen Fakültesi, İstatistik, 2014 - 2018

Van Yüzüncü Yıl University, Fen Fakültesi, İstatistik, 2014 - 2016

Courses

Kısmi Türevli Diferansiyel Denklemler II, Undergraduate, 2019 - 2020

Partial Differential Equations I, Undergraduate, 2019 - 2020
Genel Matematik, Undergraduate, 2018 - 2019
Stokastik Diferansiyel Denklemler I, Postgraduate, 2017 - 2018
Diferansiyel Denklemler Kuramı I, Postgraduate, 2017 - 2018
Uygulamalı İstatistik, Undergraduate, 2017 - 2018
Diferansiyel Denklemler Kuramı II, Postgraduate, 2014 - 2015, 2015 - 2016
Olasılık ve İstatistik II, Undergraduate, 2013 - 2014
Olasılık ve İstatistik I, Undergraduate, 2014 - 2015
Diferansiyel Denklemler Kuramı I, Postgraduate, 2014 - 2015

Advising Theses

Taşkesen H., Analysis of solutions of stochastic evolution equations, Doctorate, M.ALALLOUSH(Student), 2020
Taşkesen H., Stokastik Isı Denklemlerinin Çözümlerinin Patlaması, Postgraduate, B.Yağız(Student), 2019
Taşkesen H., Stokastik Dalga Denklemlerinin Çözümlerinin Matematiksel Analizi, Postgraduate, S.POLAT(Student), 2017

Jury Memberships

Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, January, 2021
Doctorate, Doctorate, Van Yüzüncü Yıl Üniversitesi, August, 2020
Doctorate, Doktora Tez Savunma Jürisi, Van Yüzüncü Yıl Üniversitesi, July, 2019
Post Graduate, Yüksek Lisans Tez Savunma , Dicle Üniversitesi, October, 2017
Post Graduate, Yüksek Lisans Tez Savunma Sınavı, Yüzüncü Yıl Üniversitesi, May, 2015
Post Graduate, Yüksek Lisans Tez savunma Sınavı, Yüzüncü Yıl Üniversitesi, January, 2015
Post Graduate, Yüksek Lisans tez savunma sınavı , Yüzüncü Yıl Üniversitesi, April, 2014
Doctorate, Doktora tez savunma sınavı, Dicle Üniversitesi, February, 2014
Doctorate, Doktora tez savunma sınavı, Dicle Üniversitesi, June, 2013

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

- I. **On the peakon solutions of some stochastic nonlinear evolution equations**
Yokus A., Taskesen H., Alaloush M., Demirdağ B. D.
Optical And Quantum Electronics, vol.53, no.10, pp.1-17, 2021 (Journal Indexed in SCI Expanded)
- II. **On the Existence of Global Solutions for a Nonlinear Klein-Gordon Equation**
Polat N., Taskesen H.
FILOMAT, vol.28, no.5, pp.1073-1079, 2014 (Journal Indexed in SCI)
- III. **Global existence and decay of solutions for the generalized bad Boussinesq equation**
Taskesen H., Polat N., Ertas A.
APPLIED MATHEMATICS-A JOURNAL OF CHINESE UNIVERSITIES SERIES B, vol.28, no.3, pp.253-268, 2013 (Journal Indexed in SCI)
- IV. **On Global Solutions for the Cauchy Problem of a Boussinesq-Type Equation**
Taskesen H., Polat N., Ertas A.
ABSTRACT AND APPLIED ANALYSIS, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Global existence and nonexistence of solutions for a Klein-Gordon equation with exponential type nonlinear term**

Taskesen H.

TWMS Journal of Applied and Engineering Mathematics, vol.10, no.3, pp.669-676, 2020 (Journal Indexed in ESCI)

II. Conservation laws for a model with both cubic and quadratic nonlinearity

Alaloush M., Taskesen H.

Fundamental Journal of Mathematics and Applications, vol.2, no.2, pp.181-186, 2019 (Refereed Journals of Other Institutions)

III. Existence Results for a Nonlinear Evolution Equation Arising in Elastoplastic-Microstructure Models

Taşkesen H.

ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, vol.7, no.2, pp.312-315, 2019 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. The impact of noise on a relativistic wave equation

Taşkesen H.

8th International Congress on Fundamental and Applied Sciences, Antalya, Turkey, 19 - 21 October 2021, no.1021, pp.67

II. On solutions of stochastic Kuramoto-Sivashinsky equation

Taşkesen H., Polat N.

8th International Congress on Fundamental and Applied Sciences, Antalya, Turkey, 19 - 21 October 2021, no.1022, pp.68

III. Continuous dependence of solutions for stochastic PDEs

Taşkesen H.

10th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2021) , Sakarya, Turkey, 25 - 27 August 2021, pp.93

IV. On exact solutions of Wick-type stochastic extended KdV equation

Alaloush M., Taşkesen H.

5th International Conference on Computational Mathematics and Engineering Sciences, Van, Turkey, 8 - 10 June 2021, pp.108

V. Conservation laws for a generalized Camassa-Holm equation

Alaloush M., Taşkesen H.

5th International Student Symposium, Edirne, Turkey, 6 - 08 December 2019, pp.224-236

VI. Damping Terim İçeren Stokastik Dalga Denkleminin Çözümlerinin Patlaması

Taşkesen H.

Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019, pp.62

VII. Kuadratik ve Kübik Lineer Olmayan Bir Model İçin Korunum Kanunları

ALALOUSH M., Taşkesen H.

Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019, pp.79

VIII. Finite-time blow-up for damped stochastic wave equation

Taşkesen H.

6th Int. IFS and Contemporary Mathematics Conference, Mersin, Turkey, 7 - 10 June 2019, pp.1

IX. On the blow-up of solutions for a stochastic Camassa-Holm equation

Taşkesen H., ALALOUSH M.

2nd International Conference on Pure and Applied Mathematics, Van, Turkey, 11 - 13 September 2018, pp.130

X. Blow up of solutions for a stochastic Klein-Gordon equation

Taşkesen H.

2nd International Conference on Pure and Applied Mathematics, Van, Turkey, 11 - 13 September 2018, pp.129

XI. Nonexistence of Solutions for a damped Klein-Gordon Equation with Arbitrary Positive Energy

Taşkesen H.

International Conference on Mathematics (ICOMATH), İstanbul, Turkey, 3 - 06 July 2018, pp.148

- XII. **Explosive Solutions for a Class of Stochastic Nonlinear Wave Equation with Damping**
Taşkesen H.
International Conference on Applied Mathematics in Engineering (ICAME'18), Balıkesir, Turkey, 27 - 29 June 2018, pp.74
- XIII. **Local and global existence of solutions for a stochastic wave equation with damping terms**
Taşkesen H., POLAT S.
Caucasian Mathematics Conference II, Van, Turkey, 22 - 24 August 2017, pp.148
- XIV. **Global Existence and Nonexistence of Solutions for a Klein-Gordon Equation with Exponential Type Nonlinear Term**
Taşkesen H.
International Conference on Mathematics and Mathematics Education, Elazığ, Turkey, 12 - 14 May 2016, pp.105
- XV. **Existence results for a nonlinear Timoshenko equation with high initial energy**
Taşkesen H., Polat N.
International Conference on Advancements in Mathematical Sciences (AMS), Antalya, Turkey, 5 - 07 November 2015, vol.1676
- XVI. **Existence of Solutions to Cauchy Problem for Boussinesq Type Equation**
POLAT N., DUNDAR N., Taşkesen H., PİŞKİN E.
Caucasian Mathematics Conference I, Tiflis, Georgia, 5 - 06 September 2014, pp.153
- XVII. **Existence of Global Solutions of an Initial Boundary Value Problem for a Nonlinear Timoshenko Equation**
Taşkesen H., POLAT N.
Caucasian Mathematics Conference I, Tiflis, Georgia, 5 - 06 September 2014, pp.164
- XVIII. **Genelleştirilmiş Boussinesq denklemi için Cauchy probleminin lokal varlığı**
POLAT N., DUNDAR N., Taşkesen H., PİŞKİN E.
9. Ankara Matematik Günleri, Ankara, Turkey, 12 - 13 June 2014, pp.82
- XIX. **Süperkritik başlangıç enerjili bir dalga denklemi için global varlık**
POLAT N., Taşkesen H.
XXV. Ulusal Matematik Sempozyumu, Niğde, Turkey, 5 - 08 September 2012, pp.115
- XX. **Yüksek mertebeden çift dispersif terimli çok boyutlu Boussinesq tipli bir denklem için global varlık**
Taşkesen H., POLAT N.
XXV. Ulusal Matematik Sempozyumu, Niğde, Turkey, 5 - 08 September 2012, pp.107
- XXI. **Altıncı mertebden Boussinesq denklemi için Cauchy probleminin çözümlerinin global varlığı**
Taşkesen H., ERTAS A.
7. Ankara Matematik Günleri, Ankara, Turkey, 31 May - 01 June 2012, pp.8
- XXII. **Existence of Global Solutions for a Multidimensional Boussinesq-Type Equation with Supercritical Initial Energy**
Taskesen H., Polat N.
1st International Conference on Analysis and Applied Mathematics (ICAAM), Gümüşhane, Turkey, 18 - 21 October 2012, vol.1470, pp.159-162
- XXIII. **Atıncı mertebden Boussinesq denklemi için Cauchy probleminin çözümünün global varlık ve yokluğu**
Taşkesen H., POLAT N.
XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 4 - 07 August 2010, pp.161

Supported Projects

Taşkesen H., Alaloush M., Project Supported by Higher Education Institutions, Analysis of solutions for stochastic evolution equations, 2020 - 2021

Activities in Scientific Journals

Committee Member, 2018 - 2020

Memberships / Tasks in Scientific Organizations

Association for Women in Mathematics, Member, 2019 - Continues

Scientific Refereeing

Mathematics and statistics, Other Indexed Journal, August 2021

Computational Methods for Differential Equations, Journal Indexed in ESCI, June 2021

Universal Journal Of Mathematics and Applications, Other Indexed Journal, June 2021

Adiyaman University Journal of Science, Other Journals, May 2021

Mathematics and Statistics, Other Indexed Journal, March 2021

NONLINEAR ANALYSIS-MODELLING AND CONTROL, SCI Journal, November 2020

NONLINEAR ANALYSIS-MODELLING AND CONTROL, SCI Journal, April 2020

Nonlinear Analysis: Modelling and Control, SCI Journal, March 2020

Journal of Engineering and Technology, National Scientific Refreed Journal, January 2020

Mathematics and Statistics, Other Indexed Journal, December 2019

Journal of New Theory, National Scientific Refreed Journal, November 2019

Nonlinear Analysis: Modelling and Control, SCI Journal, June 2019

Middle East Journal of Science, Other Indexed Journal, March 2019

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, November 2018

Edit Congress and Symposium Activities

International Conference on Pure and Applied Mathematics, Session Moderator, Van, Turkey, 2018

Caucasian Mathematics Conference, Session Moderator, Van, Turkey, 2017

Citations

Total Citations (WOS):19

h-index (WOS):3

Scholarships

Doktora Bursu, TÜBİTAK, 2006 - 2012