

Assoc. Prof. Hatice Taşkesen



Personal Information

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International Researcher IDs

ORCID: 0000-0003-1058-0507

ScopusID: 55335225000

Yoksis Researcher ID: 18713

Education Information

Doctorate, Dicle University, Institute Of Science, Matematik, Turkey 2006 - 2012

Undergraduate, Dicle University, Ziya Gökalp Faculty Of Education, 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

Associate Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik Bölümü, 2023 - Continues

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik Bölümü, 2018 - 2023

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 Yil University, Fen Fakültesi, 2017 - 2018
Van Yüzüncü Yil University, Fen Fakültesi, İstatistik, 2014 - 2018
Van Yüzüncü Yil University, Fen Fakültesi, İstatistik, 2014 - 2016

Courses

Reel Analiz II, Undergraduate, 2022 - 2023, 2021 - 2022
Lineer Olmayan Kısmi Diferansiyel Denklemler, Postgraduate, 2022 - 2023
Reel Analiz I, Undergraduate, 2022 - 2023, 2021 - 2022
Stokastik Diferansiyel Denklemler I, Postgraduate, 2021 - 2022, 2019 - 2020, 2017 - 2018
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 II, Postgraduate, 2016 - 2017
Diferansiyel Denklemler Kuramı I, Postgraduate, 2017 - 2018
Stokastik Diferansiyel Denklemler II, Postgraduate, 2016 - 2017
Uygulamalı İstatistik, Undergraduate, 2017 - 2018
Stokastik Diferansiyel Denklemler II, Postgraduate, 2015 - 2016
Diferansiyel Denklemler Kuramı II, Postgraduate, 2015 - 2016, 2014 - 2015
Stokastik Diferansiyel Denklemler I, Postgraduate, 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

Doctorate, Doctorate, Van Yüzüncü Yıl Üniversitesi, May, 2023
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

Published journal articles indexed by SCI, SSCI, and AHCI

1. Qualitative results for a relativistic wave equation with multiplicative noise and damping terms
Taşkesen H.

AIMS MATHEMATICS, vol.8, no.7, pp.15232-15254, 2023 (SCI-Expanded)

- II. **On the impact of noise on hyperbolic type traveling wave solutions of some stochastic evolution equations**

Taskesen H., Alaloush M.

FLUCTUATION AND NOISE LETTERS, vol.21, no.6, pp.2250051, 2022 (SCI-Expanded)

- III. **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 (SCI-Expanded)

- IV. **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 (SCI-Expanded)

- V. **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 (SCI-Expanded)

- VI. **On Global Solutions for the Cauchy Problem of a Boussinesq-Type Equation**

Taskesen H., Polat N., Ertas A.

ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **On a Class of Stochastic Damped Wave Equation**

Taşkesen H., Yağız B.

Electronic Journal of Applied Mathematics, vol.2, no.1, pp.1-13, 2024 (Peer-Reviewed Journal)

- II. **Existence of weak solutions with different initial energy levels to an equation modeling shallow-water waves**

Taşkesen H., Polat N.

International Journal of Open Problems in Computer Science and Mathematics, vol.14, no.4, pp.29-47, 2021 (Peer-Reviewed Journal)

- III. **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 (ESCI)

- IV. **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 (Peer-Reviewed Journal)

- V. **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 (Peer-Reviewed Journal)

- VI. **Global Existence for a Double Dispersive Sixth Order Boussinesq Equation**

Taşkesen H., Polat N.

Contemporary Analysis and Applied Mathematics, vol.1, no.1, pp.2-9, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **13. Raporunuzun Taslağını Oluşturma 14. Organizasyonunuzu ve Argümanınızı Revize Etme**

KAYAALP N., ÖZTÜRKMEN G., DURSUN F., TAŞKESEN H., ASLAN FİDAN A., AYDIN D., GÜMGÜM F., ERDEMLİ GÜNASLAN S.

in: ARAŞTIRMA SANATI - The Craft of Research, Doç. Dr. Necati Kayaalp, Editor, NOBEL Akademik Yayıncılık,

Refereed Congress / Symposium Publications in Proceedings

- I. **Blow-up of solutions for a nonlinear stochastic wave equation with a time-dependent damped term**
Taşkesen H., Polat N.
Sixth International Conference on Analysis and Applied Mathematics, Antalya, Turkey, 31 October - 06 November 2022, pp.123
- II. **On the Conservation Laws of an Extended KdV and Extended KdV-B Equations**
Alaloush M., Taşkesen H.
7th International Student Symposium, Samsun, Turkey, 1 - 03 October 2021, pp.146-155
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **Damping Terim İçeren Stokastik Dalga Denkleminin Çözümlerinin Patlaması**
Taşkesen H.
Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019, pp.62
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **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

- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **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., Alalouh M., Project Supported by Higher Education Institutions, Analysis of solutions for stochastic evolution equations, 2020 - 2021

Activities in Scientific Journals

Journal of Applied Mathematics and Computation, Committee Member, 2018 - Continues

Memberships / Tasks in Scientific Organizations

Association for Women in Mathematics, Member, 2019 - 2020, United States Of America

Scientific Refereeing

NONLINEAR ANALYSIS: MODELLING AND CONTROL, Journal Indexed in SCI-E, December 2023

Qualitative Theory of Dynamical Systems, Journal Indexed in SCI-E, August 2022

Mathematics and Statistics, Other Indexed Journal, May 2022

Journal of Mathematical Analysis, Journal Indexed in ESCI, February 2022

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

Metrics

Publication: 38

Citation (WoS): 25

Citation (Scopus): 20

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

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

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

Scholarships

Doktora Bursu, TUBITAK, 2006 - 2012