

## **Prof.Dr. AZER HANMEHMETLİ**

### **Kişisel Bilgiler**

**İş Telefonu:** [+90 312 297 7865](tel:+903122977865)

**E-posta:** azer@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/azer>

### **Eğitim Bilgileri**

Doktora, Azerbaycan Bilimler Akademisi, Matematik Ve Mekanik Enstitüsü, Doğrusal Olmayan Analiz, Azerbaycan 1993 - 1996

Lisans, Bakü Devlet Üniversitesi, Mekanik Ve Matematik, Matematik, Azerbaycan 1986 - 1993

### **Yaptığı Tezler**

Doktora, Hiperbolik denklemelerin yerel olmayan çekicilerinin incelenmesi, Azerbaycan Bilimler Akademisi, 1996

### **Araştırma Alanları**

Matematik, Diferansiyel denklemler, Gerçel fonksiyonlar, Temel Bilimler

### **Akademik Unvanlar / Görevler**

Prof.Dr., Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2013 - Devam Ediyor

### **Yönetilen Tezler**

HANMEHMETLİ A., Evrimsel operatörler ailesinin çekicileri, Yüksek Lisans, T.URHAN(Öğrenci), 2016

HANMEHMETLİ A., Yarı doğrusal levha denkleminin uzun zaman dinamiği, Doktora, S.YAYLA(Öğrenci), 2016

### **SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler**

- I. **The Cahn-Hilliard/Allen-Cahn equation with inertial and proliferation terms**  
ŞEN Z., Khanmamedov A.  
Journal of Mathematical Analysis and Applications, cilt.530, sa.2, 2024 (SCI-Expanded)
- II. **Attractors for some models of the Cahn-Hilliard equation with the inertial term**  
Khanmamedov A.  
Nonlinearity, cilt.36, sa.2, ss.1120-1142, 2023 (SCI-Expanded)
- III. **On the two dimensional fast phase transition equation: well-posedness and long-time dynamics**  
Khanmamedov A.  
CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS, cilt.60, sa.5, 2021 (SCI-Expanded)
- IV. **On the 2D Cahn-Hilliard/Allen-Cahn equation with the inertial term**

- Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.494, sa.2, 2021 (SCI-Expanded)
- V. Long-time dynamics of the Swift-Hohenberg equations  
Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.483, sa.2, 2020 (SCI-Expanded)
- VI. LONG-TIME DYNAMICS OF THE STRONGLY DAMPED SEMILINEAR PLATE EQUATION IN R-N  
Khanmamedov A., YAYLA S.  
ACTA MATHEMATICA SCIENTIA, cilt.38, sa.3, ss.1025-1042, 2018 (SCI-Expanded)
- VII. Global attractors for the 2D hyperbolic Cahn-Hilliard equations  
KHANMAMEDOV A., YAYLA S.  
ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK, cilt.69, sa.1, 2018 (SCI-Expanded)
- VIII. Attractors for the strongly damped wave equation with p-Laplacian  
Khanmamedov A., ŞEN Z.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.40, sa.12, ss.4436-4447, 2017 (SCI-Expanded)
- IX. A unique continuation result for the plate equation and an application  
ARAT Z., Khanmamedov A., SIMSEK S.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.39, sa.4, ss.744-761, 2016 (SCI-Expanded)
- X. EXISTENCE OF THE GLOBAL ATTRACTOR FOR THE PLATE EQUATION WITH NONLOCAL NONLINEARITY IN R-n  
Khanmamedov A., SIMSEK S.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B, cilt.21, sa.1, ss.151-172, 2016 (SCI-Expanded)
- XI. Exponential decay of solutions for the plate equation with localized damping  
SIMSEK S., Khanmamedov A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.38, sa.9, ss.1767-1780, 2015 (SCI-Expanded)
- XII. Strongly damped wave equation with exponential nonlinearities  
Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.419, sa.2, ss.663-687, 2014 (SCI-Expanded)
- XIII. Global attractors for the plate equation with nonlocal nonlinearity in unbounded domains  
ARAT Z., Khanmamedov A., SIMSEK S.  
DYNAMICS OF PARTIAL DIFFERENTIAL EQUATIONS, cilt.11, sa.4, ss.361-379, 2014 (SCI-Expanded)
- XIV. LONG-TIME DYNAMICS OF THE PARABOLIC p-LAPLACIAN EQUATION  
GEREDELI P. G., Khanmamedov A.  
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS, cilt.12, sa.2, ss.735-754, 2013 (SCI-Expanded)
- XV. Global attractor for the one dimensional wave equation with displacement dependent damping  
Khanmamedov A.  
APPLIED MATHEMATICS LETTERS, cilt.25, sa.3, ss.439-442, 2012 (SCI-Expanded)
- XVI. GLOBAL ATTRACTORS FOR STRONGLY DAMPED WAVE EQUATIONS WITH DISPLACEMENT DEPENDENT DAMPING AND NONLINEAR SOURCE TERM OF CRITICAL EXPONENT  
Khanmamedov A.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, cilt.31, sa.1, ss.119-138, 2011 (SCI-Expanded)
- XVII. A global attractor for the plate equation with displacement-dependent damping  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.74, sa.5, ss.1607-1615, 2011 (SCI-Expanded)
- XVIII. A strong global attractor for the 3D wave equation with displacement dependent damping  
Khanmamedov A.  
APPLIED MATHEMATICS LETTERS, cilt.23, sa.8, ss.928-934, 2010 (SCI-Expanded)
- XIX. Remark on the regularity of the global attractor for the wave equation with nonlinear damping  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.72, ss.1993-1999, 2010 (SCI-Expanded)
- XX. Global attractors for 2-D wave equations with displacement-dependent damping  
Khanmamedov A.

- MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.33, sa.2, ss.177-187, 2010 (SCI-Expanded)
- XXI. Global attractors for one dimensional p-Laplacian equation  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.71, ss.155-171, 2009 (SCI-Expanded)
- XXII. LONG-TIME BEHAVIOUR OF DOUBLY NONLINEAR PARABOLIC EQUATIONS  
Khanmamedov A.  
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS, cilt.8, sa.4, ss.1373-1400, 2009 (SCI-Expanded)
- XXIII. On a global attractor for the strong solutions of the 2-D wave equation with nonlinear damping  
Khanmamedov A.  
APPLICABLE ANALYSIS, cilt.88, sa.9, ss.1283-1301, 2009 (SCI-Expanded)
- XXIV. On the existence of a global attractor for the wave equation with nonlinear strong damping perturbed by nonmonotone term  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.69, sa.10, ss.3372-3385, 2008 (SCI-Expanded)
- XXV. Long-time behaviour of wave equations with nonlinear interior damping  
Khanmamedov A.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, cilt.21, sa.4, ss.1185-1198, 2008 (SCI-Expanded)
- XXVI. Finite dimensionality of the global attractors for von Karman equations with nonlinear interior dissipation  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.66, sa.1, ss.204-213, 2007 (SCI-Expanded)
- XXVII. Global attractors for wave equations with nonlinear interior damping and critical exponents  
Khanmamedov A.  
JOURNAL OF DIFFERENTIAL EQUATIONS, cilt.230, sa.2, ss.702-719, 2006 (SCI-Expanded)
- XXVIII. Global attractors for the plate equation with a localized damping and a critical exponent in an unbounded domain  
Khanmamedov A.  
JOURNAL OF DIFFERENTIAL EQUATIONS, cilt.225, sa.2, ss.528-548, 2006 (SCI-Expanded)
- XXIX. Global attractors for von Karman equations with nonlinear interior dissipation  
Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.318, sa.1, ss.92-101, 2006 (SCI-Expanded)
- XXX. Existence of a global attractor for the parabolic equation with nonlinear Laplacian principal part in an unbounded domain  
Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.316, sa.2, ss.601-615, 2006 (SCI-Expanded)
- XXXI. Existence of a global attractor for the plate equation with a critical exponent in an unbounded domain  
Khanmamedov A.  
APPLIED MATHEMATICS LETTERS, cilt.18, sa.7, ss.827-832, 2005 (SCI-Expanded)

### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Long Time Behaviour of the Plate Equation with Nonlocal Nonlinearity  
Yayla S., ARAT Z., HANMEHMETLİ A.  
The 11th AIMS Conference on Dynamic Systems, Differential Equations and Applications, Amerika Birleşik Devletleri, 1 - 05 Temmuz 2016

## **Desteklenen Projeler**

HANMEHMETLİ A., Yükseköğretim Kurumları Destekli Proje, Yerel dissipatif terimlere sahip yarı doğrusal levha denkleminin yerel olmayan çekicileri, 2017 - 2018

### **Metrikler**

Yayın: 32

Atıf (WoS): 356

Atıf (Scopus): 321

H-İndeks (WoS): 10

H-İndeks (Scopus): 10