

Prof. MERYEM KAYA

Personal Information

Email: meryemk@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/meryemk>

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1989 - 1994

Post Graduate, Gazi University, Fen Fakültesi, Matematik Bölümü, Turkey 1985 - 1988

Under Graduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1982 - 1985

Research Areas

Mathematics

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik, 2019 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik, 2010 - 2019

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 1998 - 2011

Research Assistant, Gazi University, Fen Fakültesi, Matematik Bölümü, 1985 - 1998

Professional Experience

Erasmus Coordinator, Gazi University, Fen Fakültesi, Matematik, 2004 - 2012

Advising Theses

KAYA M., Existence, Uniqueness And Structural Stability Of The Solutions Of A Partial Differential Equation, Post Graduate, A.ATMACA(Student), 2019

KAYA M., Analysis of the properties of the solutions of a thin domain problem under periodic boundary conditions, Doctorate, M.ÖZLÜK(Student), 2017

KAYA M., Global Attractors And Determining Modes For The Navier- Stokes-Voight Equations, Post Graduate, S.GÜÇKIRAN(Student), 2015

KAYA M., The properties and the solution of the Benard Problem, Post Graduate, S.ALAN(Student), 2014

KAYA M., On the solution of the g -navier stokes equations, Post Graduate, Ö.KAZAR(Student), 2013

KAYA M., Bazı akışkan hareketlerini belirleyen denklemler için sınır değer problemlerinin çözülebilirliği, Post Graduate, B.DOĞANAY(Student), 2010

KAYA M., ON BENJAMIN-BONA-MAHONY EQUATION, Y.BAŞER(Student), 2010

KAYA M., BAZI AKIŞKAN HAREKETLERİNİ BELİRLEYEN DENKLEMLER İÇİN SINIR DEĞER PROBLEMLERİNİN ÇÖZÜLEBİLİRLİĞİ, B.DOĞANAY(Student), 2010

KAYA M., Bir türbülanslı akış modelinin varlığı ve teklifi üzerine, Post Graduate, İ.ŞAHİNER(Student), 2008

KAYA M., Navier-Stokes denklemlerinin zayıf çözümlerinin varlığı ve teklifi üzerine, Post Graduate, R.ÇİL(Student), 2007

KAYA M., ON THE EXISTENCE AND UNIQUENESS OF THE WEAK SOLUTION OF THE NAVIER-STOKES EQUATIONS,
R.ÇİL(Student), 2007

KAYA M., ON THE EXISTENCE AND UNIQUENESS OF WEAK SOLUTIONS OF THE MODEL OF A TURBULENCE FLOW,
İ.ŞAHİNER(Student), 2007

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

- I. **On the Strong Solutions and the Structural Stability of the g -Benard Problem**
Ozluk M., KAYA M.
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.39, no.4, pp.383-397, 2018 (Journal Indexed in SCI)
- II. **On the weak solutions and determining modes of the g -Benard problem**
Ozluk M., KAYA M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.47, no.6, pp.1453-1466, 2018 (Journal Indexed in SCI)
- III. **Global attractor for the regularized Benard problem**
KAYA M., ÇELEBİ A. O.
APPLICABLE ANALYSIS, vol.93, no.9, pp.1989-2001, 2014 (Journal Indexed in SCI)
- IV. **Existence of weak solutions of the g -Kelvin-Voight equation**
KAYA M., ÇELEBİ A. O.
MATHEMATICAL AND COMPUTER MODELLING, vol.49, pp.497-504, 2009 (Journal Indexed in SCI)
- V. **Representation theorem of the spherical wave functions**
KAYA M.
Mathematical and Computational Applications, vol.3, no.3, pp.161-167, 1998 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **ON THE RATE OF CONVERGENCE OF THE g -NAVIER-STOKES EQUATIONS**
KAYA M., Kazar O., DİNLEMEZ KANTAR Ü.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.68, no.1, pp.87-97, 2019 (Journal Indexed in ESCI)
- II. **Structural Stability For The Benard Problem With Voight Regularization**
KAYA M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.890-896, 2018 (Journal Indexed in ESCI)
- III. **On the Benard Problem with Voight Regularization**
KAYA M., ÇELEBİ A. O.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.3, pp.523-533, 2015 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **Sobolev Uzayları ve ve Eliptik Sınır Değer Problemlerine Giriş**
KAYA M., DİNLEMEZ KANTAR Ü.
Palme, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Structural stability for the Benard problem with Voight regularization**
KAYA M.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June

2018

- II. **Continuous Data Assimilation for the Two Dimensional g-Bénard Problem**
ÖZLÜK M., KAYA M.
2. workshop on nonlinear PDEs Applied Mathematics, İzmir, Turkey, 8 - 10 August 2017
- III. **Periyodik Sınır Koşulları Altında g-Bénard Probleminin Yerel Olmayan Çekicilerinin Varlığı**
ÖZLÜK M., KAYA M.
12. Ankara Matematik Günleri, Turkey, 25 - 26 May 2017, pp.46
- IV. **Determining Modes of the g Bénard Problem**
ÖZLÜK M., KAYA M.
workshop on nonlinear PDEs on Applied Mathematics, İzmir, Turkey, 26 - 28 August 2016
- V. **Structural stability for g Benard problem**
ÖZLÜK M., KAYA M.
International Conference on Applied Mathematics and Analysis in Memory of Prof. Gusein Sh. Guseinov (Hüseyin Şirin Hüseyin) 1951-2015, Ankara, Turkey, 11 - 13 June 2016, pp.73
- VI. **Kazar Özge, Kaya Meryem, On the rate of convergence of the g-Navier-Stokes Equations to the Navier-Stokes equations,**
KAZAR Ö., KAYA M.
3 rd International Eurasian Conference on Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 August 2014
- VII. **Determining modes of g- Navier-Stokes equations (2013), (Özet bildiri).**
KAZAR Ö., KAYA M.
2 nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013
- VIII. **Globall well-posedness of the three dimensional Benard Problem, (2013), (Özet bildiri).**
KAYA M., ÇELEBİ A. O.
The 12 th International workshop on dynamical systems and applications, Ankara, Turkey, 12 - 15 August 2013
- IX. **Existence of weak solution of the g- Kelvin Voigt Equations**
KAYA M., ÇELEBİ A. O.
The 6 th International ISAAC Congress, Ankara, Turkey, 15 August 2007
- X. **Türbülanslı akışlarda Büyük Girdap hareketlerinin Modelleri Üzerine**
KAYA M.
I. Ankara Matematik Çalıştayı, Ankara, Turkey, 01 June 2006
- XI. **A representation Theorem of the Spherical Wave Functions**
KAYA M.
II. Kızılırmak Uluslararası Fen Bilimleri Kongresi, Kırıkkale, Turkey, 20 May 1998
- XII. **Singüler Katsayılı Bir Denklem için Polinom Çözümler**
ALTIN A., KAYA M.
Sakarya Matematik Sempozyumu, Sakarya, Turkey, 11 September 1997
- XIII. **Ultrahiperbolik bir denklem sınıfı için Bateman ve Brill Teoremleri**
KAYA M., ALTIN A.
viii Diferensiyel Denklemler Sempozyumu, Datça, Turkey, 19 September 1994

Scientific Refereeing

GAZİ UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, January 2018

TURKISH JOURNAL OF MATHEMATICS, National Scientific Refreed Journal, January 2018

Citations

Total Citations (WOS):14

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