

## Assoc. Prof. Hülya KADIOĞLU

### Personal Information

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**Address:** Yıldız Teknik Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, A224, Esenler/ İstanbul



### International Researcher IDs

ScholarID: L-clFuwAAAAJ

ORCID: 0000-0002-9832-2758

ScopusID: 55359333800

Yoksis Researcher ID: 42653

### Education Information

Post Doctorate, Idaho State University, Faculty Of Science And Engineering, Department Of Mathematics, United States Of America 2011 - 2012

Doctorate, Gazi University, Institute Of Science, Department of Mathematics, Turkey 2007 - 2011

Postgraduate, Gazi University, Institute Of Science, Department of Mathematics, Turkey 2003 - 2006

Undergraduate, Gazi University, Faculty Of Science, Department Of Mathematics, Turkey 1998 - 2002

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Lie Grupları Üzerindeki Gösterimlerin Tanjant Demetlere Taşınması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, 2011

Postgraduate, G- Yapıların Tanjant Demetlere Taşınmaları, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Bölümü, 2006

### Research Areas

Social Sciences and Humanities, Education, Teacher Training For Elementary Sch. Edu. in Mathematics, Mathematics, Differential Geometry, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Education, Department Of Mathematics And Science Education, 2017 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Education, Department Of Mathematics And Science Education, 2012 - 2017

Lecturer PhD, Idaho State University, Faculty Of Science And Engineering, Department Of Mathematics, 2011 - 2012

Research Assistant, Gazi University, Fen Fakültesi, Matematik, 2005 - 2011

Research Assistant, Idaho State University, Faculty Of Science And Engineering, Department Of Mathematics, 2008 - 2009

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Yildiz Technical University, Faculty Of Education, Department Of Mathematics And Science Education, 2020 - Continues

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Education, 2020 - Continues

Yıldız Teknik Üniversitesi, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi, 2017 - Continues

Deputy Head of Department, Yildiz Technical University, Faculty Of Education, Department Of Mathematics And Science Education, 2016 - Continues

Farabi Coordinator, Yildiz Technical University, Faculty Of Education, Department Of Mathematics And Science Education, 2012 - Continues

Yıldız Teknik Üniversitesi, Faculty of Education, Department of Mathematics and Science Education, 2012 - Continues

## Advising Theses

Kadioğlu H., BECERİ TEMELLİ MATEMATİK SORULARININ PISA YETERLİK DÜZEYLERİ BAĞLAMINDA İNCELENMESİ VE BECERİ TEMELLİ MATEMATİK SINAVI BAŞARISININ OKUDUĞUNU ANLAMA BECERİLERİ İLE BAZI MOTİVASYON UNSURLARI ÇERÇEVESİNDE ANALİZİ, Postgraduate, M.Anbarpınar(Student), Continues

Kadioğlu H., Mühendislik Öğrencilerinin Matematik Derslerine Yönelik Algı ve Motivasyonlarının Araştırılması, Postgraduate, R.ANIL(Student), Continues

Kadioğlu H., Lisans Öğrencilerinin Lisans Araştırma Projesi Hazırlama Motivasyonlarının Araştırılması, Postgraduate, M.ÖSTEN(Student), Continues

Kadioğlu H., Postgraduate, Ş.GÖKCEN(Student), 2022

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Biruni University, May, 2019

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

- I. **A COMPUTATIONAL APPROACH FOR THE CLASSIFICATIONS OF ALL POSSIBLE DERIVATIONS OF NILSOLITONS IN DIMENSION 9**  
KADIOĞLU H.  
Thermal Science, vol.26, no.SpecialIssue2, 2022 (SCI-Expanded)
- II. **On Some Structural Components of Nilsolitons**  
Kadioğlu H.  
Mathematical Problems In Engineering, vol.2021, no.2021, pp.1-6, 2021 (SCI-Expanded)
- III. **Prolongations of isometric actions to vector bundles**  
Kadioğlu H.  
TURKISH JOURNAL OF MATHEMATICS, vol.44, pp.378-388, 2020 (SCI-Expanded)
- IV. **A computational procedure on higher-dimensional nilsolitons**

- Kadiođlu H.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.42, no.16, pp.5390-5397, 2019 (SCI-Expanded)
- V. **Canonical involution on double jet bundles**  
KADIOĐLU H.  
TURKISH JOURNAL OF MATHEMATICS, vol.41, no.4, pp.854-872, 2017 (SCI-Expanded)
- VI. **Computational methods for nilsoliton metric Lie algebras I**  
Kadioglu H., Payne T. L.  
JOURNAL OF SYMBOLIC COMPUTATION, vol.50, pp.350-373, 2013 (SCI-Expanded)
- VII. **Classification of Ordered Type Soliton Metric Lie Algebras by a Computational Approach**  
Kadioglu H.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Classification of 8-dimensional Nilsolitons by Symbolic Computation**  
Kadiođlu H.  
Gazi University Journal of Science, vol.35, no.3, pp.1031-1049, 2022 (Scopus)
- II. **A Note on the Dimension of Isometry Group of a Riemannian Manifold**  
KADIOĐLU H.  
New Trends in Mathematical Sciences, vol.1, no.1, pp.1-10, 2017 (Peer-Reviewed Journal)
- III. **Metric Structures on Fibered Manifolds Through Partitions of Unity**  
Kadiođlu H., Fisher R.  
New Trends in Math. Sci., vol.4, no.2, pp.266-272, 2016 (Peer-Reviewed Journal)
- IV. **ON THE PROLONGATIONS OF HOMOGENEOUS VECTOR BUNDLES**  
Kadiođlu H.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.65, no.2, pp.47-53, 2016 (ESCI)
- V. **Prolongations of Lie Algebra Representations**  
KADIOĐLU H., Esin E., Yaylı Y.  
Advances and Applications in Mathematical Sciences, vol.10, no.5, pp.533-542, 2011 (ESCI)
- VI. **On the Prolongations of Representations of Lie groups.**  
KADIOĐLU H., Esin E.  
Hadronic Journal, vol.33, no.2, pp.183-196, 2010 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Beceri Temelli Matematik Sınav Başarısının Çeşitli Unsurlar Çerçevesinde Analizi**  
Anbarpınar M., Kadiođlu H.  
IEXCEL 2023 3. ULUSLARARASI EĐİTİMDE MÜKEMMELLİK KONGRESİ, Kırşehir, Turkey, 15 - 17 December 2023, pp.33
- II. **MÜHENDİSLİK ALAN MOTİVASYONLARI ÖLÇEĐİ: TÜRKÇE DİLİNE UYARLAMA ÇALIŞMASI PİLOT ARAŞTIRMA SONUÇLARI**  
Kadiođlu H., Kocakaya R. A.  
ASEAD 12. ULUSLARARASI SOSYAL BİLİMLER SEMPOZYUMU, Ankara, Turkey, 25 - 27 November 2023, pp.69
- III. **Jet Bundles as Whitney Sums**  
Kadiođlu H.  
2nd International E-Conference on Mathematical and Statistical Sciences: A Selçuk Meeting, Ankara, Turkey, 5 - 07 June 2023, pp.119
- IV. **On the Classifications of Nilsoliton Derivations by Symbolic Computation**

Kadiođlu H.

International Geometry Symposium in Memory of Prof. Erdođan ESİN, Ankara, Turkey, 09 February 2023, pp.37

- V. **VALIDITY AND RELIABILITY OF THE SURVEY FORM FOR TEACHER CANDIDATES' STUDY STYLES DURING THE COVID-19 PROCESS**  
Gökcen Ş., Kadiođlu H.  
INTERNATIONAL AEGEAN CONFERENCES ON SOCIAL SCIENCES & HUMANITIES-V, İzmir, Turkey, 25 - 26 February 2022, pp.61-62
- VI. **İlköđretim Matematik Öđretmenlerinin Ters Yüz Sınıf Modeline İlişkin Görüşlerinin İncelenmesi**  
Gökcen Ş., Kadiođlu H.  
Eđitim Araştırmaları Kongresi FSMVU-EAK2020, İstanbul, Turkey, 9 - 10 May 2020, pp.405-424
- VII. **Öđretmen Adaylarının TÜBİTAK Araştırma Proje Deneyimleri Üzerine Nitel Bir Araştırma**  
Kadiođlu H.  
FSM Eđitim Araştırmaları Kongresi, İstanbul, Turkey, 9 - 10 May 2020, pp.111-134
- VIII. **5. SINIF KESİRLER SADELEŞTİRME-GENİŞLETME İŞLEMLERİ İLE İLGİLİ BİR MATERYAL ÖRNEđİ**  
Kadiođlu H., Koç Ş. N.  
FSM Eđitim Araştırmaları Kongresi, İstanbul, Turkey, 9 - 10 May 2020, pp.229-242
- IX. **On the Solutions of Jacobi Identity Equations**  
Kadiođlu H.  
INTERNATIONAL CONFERENCE ON COMPUTATIONAL METHODS IN APPLIED SCIENCES, İstanbul, Turkey, 12 - 16 July 2019, pp.1
- X. **An Algorithm for Classifying Nilsoliton Metrics with Singular Gram Matrix**  
KADIOđLU H.  
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 3 - 06 July 2018
- XI. **An Induced Isometry on a Total Space of a Vector Bundle**  
KADIOđLU H.  
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 03 July 2018, pp.91-94
- XII. **On the Dimension of Isometry Groups of Riemannian Manifolds**  
KADIOđLU H.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, İstanbul, Turkey, 03 July 2017, pp.1
- XIII. **Induced Partitions of Unity on Fibered Manifolds**  
KADIOđLU H.  
BİSKA, 01 June 2016
- XIV. **Canonical Involution on Double Jet Bundles**  
KADIOđLU H.  
AMS Joint Mathematics Meeting, Seattle, United States Of America, 6 - 09 January 2016
- XV. **Canonical Involutions on Double Jet Bundles**  
KADIOđLU H.  
Joint Mathematics Meetings, Seattle, United States Of America, 06 January 2016, pp.1
- XVI. **On the Isometry Groups on Smooth Manifolds**  
KADIOđLU H.  
International Conference on Advances and Applications and Mathematical Physics, 01 August 2014
- XVII. **Algorithmic Methods for the Ordered Type Nilsoliton Metric Lie Algebras**  
KADIOđLU H.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 2 - 05 June 2013
- XVIII. **Algorihmic Methods for the Ordered Type Nilsoliton Metric Lie Algebras**  
KADIOđLU H.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING (ICAAMM2013), 01 June 2013

- XIX. **Classifications of 7 and 8 Dimensional Nilpotent Lie Algebras**  
KADIOĞLU H., Payne T. L.  
American Mathematical Society, 2011 Fall Western Sectional Meeting, 22 - 23 October 2011
- XX. **Nilsoliton Metrikler Üzerine**  
KADIOĞLU H.  
6. Ankara Matematik Günleri, Turkey, 2 - 03 June 2011
- XXI. **Homojen Vektor Demetleri ve Gosterimler**  
KADIOĞLU H.  
6. Ankara Matematik Gunleri Sempozyumu,, 01 June 2011
- XXII. **Gosterimler ve Prolongasyonlar I**  
KADIOĞLU H.  
6. Ankara Matematik Gunleri Sempozyumu,, 01 June 2011
- XXIII.  **$1 < 2 < 3 < 4 < 5 < 6 < 7$  tipinden soliton nilpotent Lie cebirleri uzerine**  
KADIOĞLU H.  
23. Ulusal Matematik Gunleri sempozyumu, 01 August 2010

## Supported Projects

- KADIOĞLU H., KOCAKAYA R. A., Project Supported by Higher Education Institutions, Mühendislik Öğrencilerinin Matematik Derslerine Yönelik Tutum Ve Motivasyonlarının Araştırılması, 2023 - Continues
- Kadioğlu H., Çağlayan N. C., TUBITAK Project, 3 Boyutlu Geometrik Cisimleri Kavramada Somut Ve Gündelik Nesne Kullanımının Etkisi, 2021 - 2022
- Kadioğlu H., Ünal B., TUBITAK Project, Değerler Eğitiminde İnteraktif Animasyon Ve Örnek Olay Yönteminin Birlikte Kullanımı, 2021 - 2022
- Kadioğlu H., Erol M., TUBITAK Project, Fen Eğitiminde Çizgi Film Kullanımı, 2019 - 2021
- Kadioğlu H., Kola B., TUBITAK Project, MATEMATİĞİ ARKADAŞIMDAN ÖĞRENİYORUM, 2019 - 2020
- Kadioğlu H., Günay Y., TUBITAK Project, Üç Boyutlu Defter ile Geometrik Cisimleri Tanıma, 2019 - 2020
- Kadioğlu H., Koç Ş. N., TUBITAK Project, 5. SINIF KESİRLER SADELEŞTİRME-GENİŞLETME İŞLEMLERİ İLE İLGİLİ BİR MATERYAL ÖRNEĞİ- 2209/A, 2018 - 2019
- Kadioğlu H., Özer E., TUBITAK Project, Geogebra ile Gelistirilen Etkinliklerin Geometri Egitiminde Öğrenci Basarisına Etkisi- 2209/A, 2017 - 2018
- KADIOĞLU H., Project Supported by Higher Education Institutions, Yüksek Boyutlu Uzaylardaki Nilsoliton Metriklerin Sınıflandırılması, 2017 - 2018

## Scientific Refereeing

- TURKISH JOURNAL OF MATHEMATICS, SCI Journal, April 2021
- Konuralp Journal of Mathematics, Other Indexed Journal, September 2020
- COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, SCI Journal, June 2020
- Gazi University Journal of Science, Journal Indexed in ESCI, June 2018
- New Trends in Mathematical Sciences, Other Indexed Journal, May 2018

## Tasks In Event Organizations

- Kadioğlu H., Pi Gününü Kutluyoruz, Social Activities, İstanbul, Turkey, Mart 2019
- Kadioğlu H., Senin de bir TÜBİTAK projen olsun, Social Activities, İstanbul, Turkey, Mart 2019
- Kadioğlu H., Senin de bir TÜBİTAK projen olsun, Social Activities, İstanbul, Turkey, Ekim 2018

## Metrics

Publication: 36

Citation (WoS): 26

Citation (Scopus): 25

H-Index (WoS): 11

H-Index (Scopus): 3

## Congress and Symposium Activities

INTERNATIONAL GEOMETRY SYMPOSIUM IN MEMORY OF PROF. ERDOGAN ESIN, Invited Speaker, Ankara, Turkey, 2023

INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians", Attendee, İstanbul, Turkey, 2018

ICAAMM2017, Session Moderator, İstanbul, Turkey, 2017

International Conference of Applied Analysis and Mathematical Modeling 2017, Attendee, İstanbul, Turkey, 2017

2nd International Conference on Pure and Applied Science, Attendee, İstanbul, Turkey, 2016

AMS Joint Mathematics Meeting, Attendee, Washington, United States Of America, 2016

International Conference on Advances and Applications and Mathematical Physics, Attendee, Turkey, 2014

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING, Attendee, Turkey, 2013

AMS Fall Western Sectional Meeting Special Session on Computational and Algorithmic Algebraic Geometry, Attendee, Utah, United States Of America, 2011

6. Ankara Matematik Gunleri Sempozyumu, Attendee, Ankara, Turkey, 2011

23. Ulusal Matematik Gunleri sempozyumu, Attendee, Kayseri, Turkey, 2010

## Awards

KADIOĞLU H., Fakülte Bazında Yazar Sayısı ve Dergi Etki Puanı Birinciliği, Yıldız Teknik Üniversitesi, October 2018

KADIOĞLU H., Yayın Teşvik Ödülü, Tübitak, August 2018

KADIOĞLU H., Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, March 2014

KADIOĞLU H., Yayın Teşvik Ödülü, Tübitak, September 2013