

Assoc. Prof. Fatma KARACA

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JTV-4581-2023

ScopusID: 57205740984

Yoksis Researcher ID: 298124

Education Information

Doctorate, Balikesir University, Turkey 2012 - 2016

Postgraduate, Balikesir University, Turkey 2010 - 2012

Undergraduate, Anadolu University, İktisat Fakültesi, İktisat Bölümü, Turkey 2007 - 2011

Undergraduate, Kocaeli University, Turkey 2006 - 2010

Dissertations

Doctorate, Biharmonik ve f-Biharmonik Altmanifoldlar, Balikesir University, 2016

Postgraduate, Katlı çarpım manifoldları, Balikesir University, 2012

Research Areas

Differential Geometry, Geometry, Manifolds and Cell Complexes, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2024 - Continues

Associate Professor, Beykent University, 2021 - 2024

Assistant Professor, Beykent University, 2019 - 2021

Academic and Administrative Experience

Faculty Management Board Member, Beykent University, 2023 - 2024

Head of Department, Beykent University, 2021 - 2024

Courses

SAYISAL ANALİZ, Undergraduate, 2018 - 2019

Matematik I, Undergraduate, 2019 - 2020

Temel Matematik, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On sequential warped product manifolds admitting gradient Ricci-harmonic solitons**
Karaca F., Özgür C.
Physica Scripta, vol.98, no.8, 2023 (SCI-Expanded)
- II. **Geometry of almost contact metrics as a \ast -conformal Ricci-Yamabe solitons and related results**
Dey S., Roy S., Karaca F.
International Journal of Geometric Methods in Modern Physics, vol.20, no.9, 2023 (SCI-Expanded)
- III. **Gradient Ricci-harmonic solitons on doubly warped product manifolds**
Karaca F., Özgür C.
Filomat, vol.37, no.18, pp.5969-5977, 2023 (SCI-Expanded)
- IV. **Gradient Ricci-Yamabe solitons on warped product manifolds**
Karaca F.
Filomat, vol.37, no.7, pp.2199-2207, 2023 (SCI-Expanded)
- V. **Gradient Ricci-harmonic solitons on multiply warped products**
Karaca F.
International Journal of Geometric Methods in Modern Physics, vol.18, no.9, 2021 (SCI-Expanded)
- VI. **On quasi-Einstein sequential warped product manifolds**
Karaca F., Özgür C.
Journal of Geometry and Physics, vol.165, 2021 (SCI-Expanded)
- VII. **On λ -biminimal conformal immersions**
Karaca F., Özgür C.
Hacetatepe Journal of Mathematics and Statistics, vol.50, no.5, pp.1401-1408, 2021 (SCI-Expanded)
- VIII. **Multiply warped products with compact Einstein manifolds**
Karaca F.
Quaestiones Mathematicae, pp.1-9, 2020 (SCI-Expanded)
- IX. **On interpolating sesqui-harmonic Legendre curves in Sasakian space forms**
Karaca F., Özgür C., De U. C.
International Journal of Geometric Methods in Modern Physics, vol.17, no.1, 2020 (SCI-Expanded)
- X. **F-biharmonic integral submanifolds in generalized sasakian space forms**
Karaca F.
Filomat, vol.33, no.9, pp.2561-2570, 2019 (SCI-Expanded)
- XI. **Gradient ricci solitons on multiply warped product manifolds**
Karaca F., Özgür C.
Filomat, vol.32, no.12, pp.4221-4228, 2018 (SCI-Expanded)
- XII. **f -biminimal immersions**
Gürler F., Özgür C.
Turkish Journal of Mathematics, vol.41, no.3, pp.564-575, 2017 (SCI-Expanded)
- XIII. **On semiparallel anti-invariant submanifolds of generalized Sasakian space forms**
Özgür C., Gürler F., MURATHAN C.
Turkish Journal of Mathematics, vol.38, no.4, pp.796-802, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **f-BIHARMONIC SUBMANIFOLDS AND f-BIHARMONIC INTEGRAL SUBMANIFOLDS IN LOCALLY**

CONFORMAL ALMOST COSYMPLECTIC SPACE FORMS

Aslam M., Karaca F., Siddiqui A. N.

Communications of the Korean Mathematical Society, vol.37, no.2, pp.595-606, 2022 (ESCI)

- II. **A Note on Generalized Sasakian Space Forms with Interpolating Sesqui-Harmonic Legendre Curves**
KARACA F.
Mathematical Sciences and Applications E-Notes, vol.8, no.1, pp.78-90, 2020 (Scopus)
- III. **Gradient Yamabe Solitons on Multiply Warped Product Manifolds**
KARACA F.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.12, no.2, pp.157-168, 2019 (Scopus)
- IV. **f-BIMINIMAL SUBMANIFOLDS OF GENERALIZED SPACE FORMS**
KARACA F.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.2, pp.1301-1315, 2019 (Peer-Reviewed Journal)
- V. **On f-biharmonic curves**
KARACA F., ÖZGÜR C.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.11, no.2, pp.18-27, 2018 (Peer-Reviewed Journal)
- VI. **Hayat ve hayat dışı sigortalar için karar verme problemi**
KARACA F., TAŞ N.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, pp.1-18, 2018 (Peer-Reviewed Journal)
- VII. **f-Biharmonic and Bi- f-harmonic submanifolds of product spaces**
KARACA F., ÖZGÜR C.
SARAJEVO JOURNAL OF MATHEMATICS, vol.13, no.1, pp.115-129, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Solitons of Ricci-Yamabe Type on Multiply Warped Product Manifolds**
KARACA F., GÜLER S.
20th International Geometry Symposium, Van, Turkey, 18 - 20 July 2024
- II. **Sequential Warped Product Manifolds with Gradient Ricci-Harmonic Solitons**
KARACA F., ÖZGÜR C.
19th International Geometry Symposium, Edirne, Turkey, 27 - 30 June 2022
- III. **A Note on Gradient Ricci-Harmonic Solitons**
KARACA F., ÖZGÜR C.
TURKISH JOURNAL OF MATHEMATICS - STUDIES ON SCIENTIFIC DEVELOPMENTS IN GEOMETRY, ALGEBRA, AND APPLIED MATHEMATICS WEBINAR, Ankara, Turkey, 1 - 03 February 2022
- IV. **On some properties of gradient Ricci-Yamabe solitons on warped product manifolds**
KARACA F.
18th International Geometry Symposium, Malatya, Turkey, 12 - 14 July 2021
- V. **On some properties of quasi-Einstein sequential warped product manifolds**
KARACA F., ÖZGÜR C.
Riemannian Geometry and Applications – RIGA 2021, Bucharest, Romania, 15 - 17 January 2021
- VI. **Çarpım Uzaylarının f-Biminimal Altmanifoldları**
KARACA F.
3. ULUSLARARASI İSTATİSTİK MATEMATİK VE ANALİTİK YÖNTEMLER KONGRESİ, İstanbul, Turkey, 12 - 13 March 2020
- VII. **Compact Einstein Multiply Warped Product Manifolds**
KARACA F., ÖZGÜR C.
17th International Geometry Symposium 2019, Erzincan, Turkey, 19 - 22 June 2019
- VIII. **Gradient Yamabe Solitons on Multiply Warped Product Manifolds**
KARACA F.

17th International Geometry Symposium 2019, Erzincan, Turkey, 19 - 22 June 2019

- IX. **f-Biminimal Maps in Generalized Space Forms**
KARACA F.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- X. **On Semi Biharmonic Legendre Curves in Sasakian Space Forms**
KARACA F., ÖZGÜR C.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- XI. **Hayat Dışı Sigortalar için Esnek Kümeler ile Karar Verme Problemi**
KARACA F., TAŞ N., SAKARYA Ş.
1. Eğitim Bilimleri ve Sosyal Bilimler Sempozyumu, Bandırma, Turkey, 3 - 05 November 2017
- XII. **Life insurances decision making problem**
KARACA F., TAŞ N., SAKARYA Ş.
5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017
- XIII. **On Multiply Warped Product with Gradient Ricci Solitons**
KARACA F., ÖZGÜR C.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- XIV. **f-Biharmonic Integral Submanifolds In Sasakian Space Forms**
KARACA F.
International Workshop on Theory of Submanifolds, İstanbul, Turkey, 2 - 04 June 2016
- XV. **f-Biharmonic Conditions For Curves**
KARACA F., ÖZGÜR C.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016
- XVI. **f-Biminimal Immersions**
KARACA F., ÖZGÜR C.
XVIIth International Conference Geometry, Integrability and Quantization, Varna, Bulgaria, 5 - 10 June 2015
- XVII. **Semiparallel Minimal Anti-invariant Submanifolds of Generalized Sasakian Space Forms**
KARACA F., ÖZGÜR C., MURATHAN C.
XI. Geometri Sempozyumu, Ordu, Turkey, 1 - 05 July 2013
- XVIII. **Quasi-Einsten Warped Product Manifolds with a semi-symmetric non-metric connection**
ÖZGÜR C., KARACA F.
X. Geometri Sempozyumu, Balıkesir, Turkey, 13 - 16 June 2012

Supported Projects

Karaca F., Project Supported by Higher Education Institutions, İki Katlı Çarpım Metrikli Gradient Ricci-Yamabe Solitonların İncelenmesi, 2024 - 2025

Karaca F., Güler S., TUBITAK Project, Katlı Çarpım Manifolddlarının Çesitli Genellemelerinin Gradient Ricci-Yamabe Solitonları, 2023 - 2024

Karaca F., Özgür C., TUBITAK Project, İki Katlı Ve Dizisel Katlı Çarpım Manifolddları Üzerindeki Gradient Ricci-Harmonik Solitonlar, 2021 - 2022

Metrics

Publication: 38

Citation (WoS): 86

Citation (Scopus): 84

H-Index (WoS): 5

H-Index (Scopus): 6