

Prof. Dr. SİDDİKA ÖZKALDI KARAKUŞ

Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: HHM-6000-2022

ScopusID: 24504487500

Yoksis Araştırmacı ID: 58599

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 2007 - 2010

Yüksek Lisans, Kırıkkale Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 2004 - 2006

Lisans, Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Pr., Türkiye 1998 - 2002

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Tensör çarpım yüzeyleri ve Lie grupları, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2010

Yüksek Lisans, Düzlemde ve uzayda kinematik geometri, Kırıkkale Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2006

Araştırma Alanları

Matematik, Geometri

Akademik İdari Deneyim

Rektör Yardımcısı, Bilecik Şeyh Edebali Üniversitesi, 2022 - 2024

Dekan, Bilecik Şeyh Edebali Üniversitesi, 2019 - 2022

Bilecik Şeyh Edebali Üniversitesi, 2017 - 2020

Üniversite Yönetim Kurulu Üyesi, Bilecik Şeyh Edebali Üniversitesi, 2019 - 2019

Bilecik Şeyh Edebali Üniversitesi, 2014 - 2019

Bilecik Şeyh Edebali Üniversitesi, 2012 - 2014

verdiği Dersler

Yüksek Lisans

Yarı Riemann Geometri, Yüksek Lisans, 2012 - 2013

Alt Mainifoldlar Teorisi II, Yüksek Lisans, 2011 - 2012

Riemann Geometri, Yüksek Lisans, 2011 - 2012

Lisans

Diferensiyel Geometri I, Lisans, 2013 - 2014

ANALİTİK GEOMETRİ II, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012

Öklid Geometrisi, Lisans, 2013 - 2014

Matematik ve Hayat, Lisans, 2013 - 2014

Hareket Geometrisine Giriş , Lisans, 2013 - 2014, 2012 - 2013

ANALİTİK GEOMETRİ I, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012

Diferensiyel Geometri II, Lisans, 2013 - 2014

Kinematik, Lisans, 2012 - 2013

İstatistik, Lisans, 2011 - 2012

Topoloji I, Lisans, 2011 - 2012

Soyut Matematik II, Lisans, 2011 - 2012

Soyut Matematik I, Lisans, 2011 - 2012

Ön Lisans

MATEMATİK I, Ön Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012

MATEMATİK II, Ön Lisans, 2012 - 2013, 2011 - 2012

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **On electromagnetic curves and geometric phase associated with frontals in de-Sitter 2-space**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S.
Indian Journal of Physics, cilt.98, sa.3, ss.1021-1030, 2024 (SCI-Expanded)
- II. **On the classification of framed rectifying curves in Euclidean space**
Yazıcı B., Karakuş S., Tosun M.
Mathematical Methods in the Applied Sciences, cilt.45, sa.18, ss.12089-12098, 2022 (SCI-Expanded)
- III. **Screw Theory in Lorentzian Space**
Karakuş S.
Advances in Applied Clifford Algebras, cilt.29, sa.1, 2018 (SCI-Expanded)
- IV. **Generalized Bicomplex Numbers and Lie Groups**
Karakuş S., Aksoyak F. K.
Advances in Applied Clifford Algebras, cilt.25, sa.4, ss.943-963, 2015 (SCI-Expanded)
- V. **On the determination of a developable spherical orthotomic ruled surface**
YILDIZ Ö. G., Karakuş S., Hacısalihoglu H. H.
Bulletin of Mathematical Sciences, cilt.5, sa.1, ss.137-146, 2015 (SCI-Expanded)
- VI. **Rotations and Screw Motion with Timelike Vector in 3-Dimensional Lorentzian Space**
Keçilioğlu O., Özkaldi S., Gündoğan H.
Advances in Applied Clifford Algebras, cilt.22, sa.4, ss.1081-1091, 2012 (SCI-Expanded)
- VII. **Bicomplex number and tensor product surfaces in \mathbb{R}^4_2**
Karakuş S., YAYLI Y.
Ukrainian Mathematical Journal, cilt.64, sa.3, ss.344-355, 2012 (SCI-Expanded)
- VIII. **Dual Split Quaternions and Screw Motion in 3-Dimensional Lorentzian Space**
ÖZKALDI KARAKUŞ S., Gündoğan H.
Advances in Applied Clifford Algebras, cilt.21, sa.1, ss.193-202, 2011 (SCI-Expanded)
- IX. **On Mannheim partner curves in dual Lorentzian space**
Özkaldi S., Ilarslan K., YAYLI Y.
Hacetepce Journal of Mathematics and Statistics, cilt.40, sa.5, ss.649-661, 2011 (SCI-Expanded)

- X. **Tensor product surfaces in R^4 and lie groups**
ÖZKALDI KARAKUŞ S., Yayuli Y.
Bulletin of the Malaysian Mathematical Sciences Society, cilt.33, sa.1, ss.69-77, 2010 (SCI-Expanded)
- XI. **Cayley formula, Euler parameters and rotations in 3-dimensional Lorentzian space**
ÖZKALDI KARAKUŞ S., Gündoğan H.
Advances in Applied Clifford Algebras, cilt.20, sa.2, ss.367-377, 2010 (SCI-Expanded)
- XII. **Clifford product and lorentzian plane displacements in 3-dimensional Lorentzian space**
Gündoğan H., ÖZKALDI KARAKUŞ S.
Advances in Applied Clifford Algebras, cilt.19, sa.1, ss.43-50, 2009 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **On adjoint curves of framed curves and some ruled surfaces**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
HONAM MATHEMATICAL JOURNAL, cilt.45, sa.3, ss.380-396, 2023 (ESCI)
- II. **A new perspective on bicomplex numbers with Leonardo number components**
Turan M., KARAKUŞ S. Ö., NURKAN S. K.
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, cilt.72, sa.2, ss.340-351, 2023 (Hakemli Dergi)
- III. **Hyper-Dual Leonardo Numbers**
ÖZKALDI KARAKUŞ S., Turan M., NURKAN S.
Konuralp Journal of Mathematics, cilt.10, sa.2, ss.269-275, 2022 (Hakemli Dergi)
- IV. **ON FRAMED TZITZEICA CURVES IN EUCLIDEAN SPACE**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, cilt.37, sa.2, 2022 (Hakemli Dergi)
- V. **Framed Curves and Their Applications Based on a New Differential Equation**
Yazıcı B., Karakus, S., Tosun M.
International Electronic Journal of Geometry, cilt.15, ss.41-56, 2022 (Scopus)
- VI. **Characterizations of Framed Curves in Four-Dimensional Euclidean Space**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
Universal Journal of Mathematics and Applications, cilt.4, sa.4, ss.125-131, 2021 (Hakemli Dergi)
- VII. **HOMOTHETIC MOTIONS VIA GENERALIZED BICOMPLEX NUMBERS**
KAHRAMAN AKSOYAK F., ÖZKALDI KARAKUŞ S.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, cilt.36, sa.2, ss.275-291, 2021 (ESCI)
- VIII. **A study on spacelike rectifying curves in Minkowski 3-space**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S.
TBILISI MATHEMATICAL JOURNAL, ss.11-26, 2020 (ESCI)
- IX. **Framed normal curves in Euclidean space**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
TBILISI MATHEMATICAL JOURNAL, ss.27-37, 2020 (ESCI)
- X. **A NEW REPRESENTATION OF CONSTANT ANGLE SURFACES IN $H^2 R$ WITH SPLIT QUATERNIONS**
KARAKUŞ S. Ö.
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, cilt.68, sa.1, ss.633-642, 2019 (Hakemli Dergi)
- XI. **Quaternionic Approach On Constant Angle Surfaces In $S^2 \times R$**
ÖZKALDI KARAKUŞ S.
APPLIED MATHEMATICS E - NOTES, ss.497-506, 2019 (Scopus)
- XII. **Conics and Quadrics in Lorentzian Space**
ÇİÇEK A., KARAKUŞ S. Ö., GÜNDOĞAN H.
Mathematical Sciences and Applications E-Notes, cilt.6, sa.1, ss.58-63, 2018 (Hakemli Dergi)

- XIII. **Certain Constant Angle Surfaces Constructed on Curves in Minkowski 3-Space**
ÖZKALDI KARAKUŞ S.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, cilt.11, sa.1, ss.37-47, 2018 (Hakemli Dergi)
- XIV. **On the Quaternionic Normal Curves in the Semi Euclidean Space E_4^2**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S.
International Journal of Mathematical Combinatorics, cilt.3, ss.68-76, 2016 (Hakemli Dergi)
- XV. **A New Approach about the Determination of a Developable Spherical Orthotomic Ruled Surface in R^{13}**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., HACISALİHOĞLU H. H.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, cilt.9, sa.1, ss.62-69, 2016 (Hakemli Dergi)
- XVI. **A New Approach about the Determination of a Developable Spherical Orthotomic Ruled Surface in R^3**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., HACISALİHOĞLU H. H.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, cilt.9, sa.1, ss.62-69, 2016 (Hakemli Dergi)
- XVII. **ON CURVE COUPLES WITH JOINT LIGHTLIKE FRENET PLANES IN MINKOWSKI 3 SPACE**
UÇUM A., İLARSLAN K., ÖZKALDI KARAKUŞ S.
ACTA UNIVERSITATIS APULENSIS, cilt.41, ss.111-129, 2015 (Hakemli Dergi)
- XVIII. **On curve couples with joint timelike Frenet planes in Minkowski 3- Space**
UÇUM A., İLARSLAN K., ÖZKALDI KARAKUŞ S.
Acta Universitatis Apulensis, cilt.44, ss.87-108, 2015 (Hakemli Dergi)
- XIX. **On the Determination of a Developable Spherical Orthotomic Timelike Ruled Surface**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., Hasan Hilmi H.
KONURALP TIP DERGİSİ, cilt.3, sa.1, ss.75-83, 2015 (Hakemli Dergi)
- XX. **CURVE COUPLES AND SPACELIKE FRENET PLANES IN MINKOWSKI 3 SPACE**
UÇUM A., İLARSLAN K., ÖZKALDI KARAKUŞ S.
HONAM MATHEMATICAL JOURNAL, cilt.36, sa.3, ss.475-492, 2014 (Hakemli Dergi)
- XXI. **A NEW APPROACH FOR CHARACTERIZATION OF CURVE COUPLES IN EUCLIDEAN 3 SPACE**
ÖZKALDI KARAKUŞ S., İLARSLAN K., YAYLI Y.
HONAM MATHEMATICAL JOURNAL, cilt.36, sa.1, ss.113-129, 2014 (Hakemli Dergi)
- XXII. **A Note on Inextensible Flows of Curves in E_n**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., TOSUN M.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, cilt.6, sa.2, ss.118-124, 2013 (Hakemli Dergi)
- XXIII. **LC helix on hypersurfaces in minkowski space E^{1n+1}**
KARAKUŞ S., ŞENOL A., GHADAMI R., YAYLI Y.
International Journal of Pure and Applied Mathematics, cilt.86, sa.3, ss.471-485, 2013 (Scopus)
- XXIV. **Constant Angle Surfaces And Curves In E^3**
ÖZKALDI KARAKUŞ S., YAYLI Y.
International Electronic Journal of Geometry, cilt.4, ss.70-78, 2011 (Hakemli Dergi)
- XXV. **LC Slant Helix On Hypersurfaces In Minkowski Space E_n^1**
ÖZKALDI KARAKUŞ S., GÖK İ., YAYLI Y., hacisalihoğlu h. h.
TWMS J. Pure Appl. Math., cilt.1, ss.137-145, 2010 (Hakemli Dergi)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Smarandache Curves of Fronts in the Sphere**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
11th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Türkiye, 29 Ağustos 2022
- II. **Parallel p-equidistant ruled surface of special singular curves**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.

19th INTERNATIONAL GEOMETRY SYMPOSIUM, Türkiye, 27 Haziran 2022

- III. **Characterizations of Framed Curves in Four-Dimensional Euclidean Space**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
10th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2021), Türkiye, 25 Ağustos 2021
- IV. **On Framed Tzitzeica Curves in Euclidean Space**
DOĞAN YAZICI B., ÖZKALDI KARAKUŞ S., TOSUN M.
18th International Geometry Symposium in Honour of Prof.Dr. Sadık KELEŞ, Türkiye, 12 Temmuz 2021
- V. **A Study on Rectifying Non-Null Curves in Minkowski 3-space**
DOĞAN B., ÖZKALDI KARAKUŞ S.
16th International Geometry Symposium, 4 - 07 Temmuz 2018
- VI. **Some Characterizations of Quaternionic Normal Curves**
YILDIZ Ö. G., DOĞAN B., ÖZKALDI KARAKUŞ S.
15th International Geometry Symposium, 3 - 06 Temmuz 2017
- VII. **On the Determination of a Timelike Developable Spherical Orthotomic Ruled Surface**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., Hasan Hilmi H.
3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Avusturya, 25 - 28 Ağustos 2014
- VIII. **A New Approach about the Determination of a Developable Spherical Orthotomic Spacelike Ruled Surface**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., Hacısalıhoğlu H. H.
3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Avusturya, 25 - 28 Ağustos 2014
- IX. **On the Determination of a Developable Spherical Orthotomic Ruled Surface**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S., Hasan Hilmi H.
XII. Geometri Sempozyumu, Bilecik, Türkiye, 23 - 26 Haziran 2014
- X. **On the Quaternionic Normal Curves in the Euclidean Space**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S.
2nd International Eurasian Conference on Mathematical Sciences and Applications, Saraybosna, Bosna-Hersek, 26 - 29 Ağustos 2013, cilt.1
- XI. **On the Quaternionic Normal Curves in E^3**
ÖZKALDI KARAKUŞ S., YILDIZ Ö. G.
XI. Geometri Sempozyumu, Ordu, Türkiye, 1 - 05 Temmuz 2013
- XII. **A Note on Inextensible Flows of Curves in E_n**
YILDIZ Ö. G., TOSUN M., ÖZKALDI KARAKUŞ S.
1st International Eurasian Conference on Mathematical Sciences and Applications, Piristine, Karadağ, 3 - 07 Eylül 2012, cilt.1
- XIII. **On the Quaternionic Normal Curves in the Semi-Euclidean Space E^4_2**
YILDIZ Ö. G., ÖZKALDI KARAKUŞ S.
X. Geometri Sempozyumu, Balıkesir, Türkiye, 13 - 16 Haziran 2012, cilt.1