

# Prof. İSMAİL GÖK

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAF-7786-2020

Yoksis Researcher ID: 114189

## Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2005 - 2010

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2003 - 2005

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1998 - 2003

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Kontak geometride yüzeyler teorisi, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2010

Postgraduate, Kontak Manifoldlarda Temel formlar ve yönlendirme, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2005

## Research Areas

Geometry

## Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2020 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2013 - 2020

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2012 - 2013

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 2005 - 2012

## Academic and Administrative Experience

Ankara University, 2013 - 2017

## Courses

Analytic Geometry II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Lineer Cebir, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Bitirme Projesi, Undergraduate, 2022 - 2023, 2021 - 2022  
Kuaterniyonlar Teorisi II, Postgraduate, 2022 - 2023, 2021 - 2022  
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023  
Dönüşümler Ve Geometrilere, Undergraduate, 2022 - 2023, 2021 - 2022  
Yarı Riemann Geometrisi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Uzmanlık Alan Dersi, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Çok Lineer Cebir I, Postgraduate, 2023 - 2024  
Seminer, Postgraduate, 2022 - 2023  
Differential Geometry, Undergraduate, 2022 - 2023  
Tez Çalışması, Postgraduate, 2023 - 2024  
Tez Çalışması, Doctorate, 2021 - 2022  
Kuaterniyonlar Teorisi I, Postgraduate, 2022 - 2023, 2021 - 2022  
Analytic Geometry I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Kinematics, Undergraduate, 2021 - 2022, 2020 - 2021  
Seminer, Doctorate, 2022 - 2023  
Elementary Differential Geometry, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Lineer Cebir, Undergraduate, 2022 - 2023, 2021 - 2022  
Fraktal Geometri, Undergraduate, 2022 - 2023  
Matematik, Undergraduate, 2021 - 2022  
Kinematik, Undergraduate, 2021 - 2022, 2020 - 2021  
Hareket Geometrisi II, Doctorate, 2020 - 2021  
İleri Diferensiyel Geometri I, Doctorate, 2019 - 2020  
Riemann Geometri I, Doctorate, 2020 - 2021  
Differential Geometry II, Undergraduate, 2019 - 2020  
Analytic Geometry II, Undergraduate, 2019 - 2020  
Analytic Geometry I, Undergraduate, 2019 - 2020  
Lineer Cebir, Undergraduate, 2019 - 2020  
Fractal Geometry, Undergraduate, 2019 - 2020  
Differential Geometry I, Undergraduate, 2019 - 2020  
MAT207 - ANALİTİK GEOMETRİ I (C) (İ.Ö), Undergraduate, 2015 - 2016, 2014 - 2015  
815595 - ÇOK LİNEER CEBİR I, Postgraduate, 2015 - 2016, 2014 - 2015  
MAT113 - LİNEER CEBİR II (D), Undergraduate, 2015 - 2016  
MAT119 - LİNEER CEBİR (A), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
MAT113 - LİNEER CEBİR I (C), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012  
MAT493 - FRAKTAL GEOMETRİ I (A), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014  
MAT485 - KİNEMATİK I (B) (İ.Ö), Undergraduate, 2015 - 2016  
JEM119 - TASARI GEOMETRİ (A), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
815544 - İLERİ DİFERENSİYEL GEOMETRİ II, Postgraduate, 2014 - 2015, 2013 - 2014  
815543 - İLERİ DİFERENSİYEL GEOMETRİ I, Postgraduate, 2014 - 2015, 2013 - 2014  
MAT113 - LİNEER CEBİR I (D), Undergraduate, 2014 - 2015, 2013 - 2014, 2011 - 2012  
MAT494 - FRAKTAL GEOMETRİ II (B), Undergraduate, 2014 - 2015, 2013 - 2014  
MAT114 - LİNEER CEBİR II (D), Undergraduate, 2014 - 2015  
MAT494 - FRAKTAL GEOMETRİ II (A), Undergraduate, 2014 - 2015, 2013 - 2014  
MAT493 - FRAKTAL GEOMETRİ I (B) (İ.Ö), Undergraduate, 2014 - 2015, 2013 - 2014  
MAT208 - ANALİTİK GEOMETRİ II (C) (İ.Ö), Undergraduate, 2014 - 2015, 2013 - 2014  
MAT114 - LİNEER CEBİR II (C), Undergraduate, 2014 - 2015, 2011 - 2012  
UYM101 - Üniversite Yaşamına Uyum Programı (C), Undergraduate, 2013 - 2014, 2012 - 2013

UYM101 - Üniversite Yaşamına Uyum Programı (A), Undergraduate, 2013 - 2014, 2012 - 2013  
MAT114 - LİNEER CEBİR II (A), Undergraduate, 2013 - 2014, 2012 - 2013  
UYM101 - Üniversite Yaşamına Uyum Programı (B), Undergraduate, 2013 - 2014, 2012 - 2013  
MAT113 - LİNEER CEBİR I (G) (İ.Ö), Undergraduate, 2013 - 2014  
815532 - Kuanterniyonlar Teorisi I, Postgraduate, 2012 - 2013  
MAT114 - LİNEER CEBİR II (A) (İ.Ö), Undergraduate, 2012 - 2013  
MAT102 - MATEMATİK II (B), Undergraduate, 2012 - 2013  
MAT119 - LİNEER CEBİR (B), Undergraduate, 2012 - 2013  
MAT114 - LİNEER CEBİR II, Undergraduate, 2012 - 2013, 2011 - 2012  
MAT113 - LİNEER CEBİR I, Undergraduate, 2012 - 2013  
MAT473 - DÖNÜŞÜMLER VE GEOMETRİLER I (B) (İ.Ö), Undergraduate, 2012 - 2013  
MAT474 - DÖNÜŞÜMLER VE GEOMETRİLER II (B) (İ.Ö), Undergraduate, 2012 - 2013  
MAT113 - LİNEER CEBİR I (A), Undergraduate, 2012 - 2013  
815531 - Kuanterniyonlar Teorisi I, Postgraduate, 2012 - 2013  
MAT125 - MATEMATİK (D), Undergraduate, 2011 - 2012  
MAT102 - MATEMATİK II (C), Undergraduate, 2011 - 2012  
MAT125 - MATEMATİK (F), Undergraduate, 2011 - 2012  
MAT120 - LİNEER CEBİR (A), Undergraduate, 2011 - 2012  
MAT114 - LİNEER CEBİR II (İ.Ö) , Undergraduate, 2011 - 2012  
MAT125 - MATEMATİK (E), Undergraduate, 2011 - 2012  
JEM119 - TASARI GEOMETRİ (B), Undergraduate, 2011 - 2012

## Advising Theses

Gök İ., Geometrik nesnelerin singülerlikleri ve bazı uygulamaları, Doctorate, O.ÖĞÜLCAN(Student), 2022  
GÖK İ., Geometry of Riemannian manifolds with density, Doctorate, E.KOCAKUŞAKLI(Student), 2020  
GÖK İ., Riemann manifoldları üzerinde eğriler ve manyetik yörüngeler, Doctorate, O.ATEŞ(Student), 2020  
GÖK İ., Riemann manifoldları üzerinde eğriler ve manyetik yörüngeler / Curves and magnetic trajectories on Riemannian manifolds, Doctorate, O.Ateş(Student), 2020  
GÖK İ., Geometry of accretive shell surfaces, Postgraduate, S.ÖNCÜL(Student), 2019  
GÖK İ., Representation methods of quaternions, Postgraduate, B.KOÇAY(Student), 2019  
GÖK İ., Circular surfaces and their geometric applications, Doctorate, Z.ÇANAKCI(Student), 2018  
GÖK İ., Bertrand curves and geometric applications in four dimensional Euclidean space, Postgraduate, Y.IRMAK(Student), 2018  
GÖK İ., Ortak bir isophote eğriye sahip olan yüzey aileleri, Postgraduate, O.ÖĞÜLCAN(Student), 2016  
GÖK İ., Some special curves according to alternative moving frame, Postgraduate, S.ÖZDOĞAN(Student), 2016  
GÖK İ., Uzay eğrilerinin diferensiyel geometrisi ve singüleriteleri üzerine, Postgraduate, E.KOCAKUŞAKLI(Student), 2014  
GÖK İ., Üç boyutlu kontak manifoldlarda özel eğriler ve yüzeyler üzerine, Postgraduate, O.ATEŞ(Student), 2014

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

- I. **Multiplicative generalized tube surfaces with multiplicative quaternions algebra**  
Ceyhan H., Özdemir Z., GÖK İ.  
Mathematical Methods in the Applied Sciences, vol.47, no.11, pp.9157-9168, 2024 (SCI-Expanded)
- II. **Electromagnetic curves and Rytov's law in the optical fiber with Maxwellian evolution via alternative moving frame**  
Nurkan S. K., Ceyhan H., Özdemir Z., GÖK İ.  
Revista Mexicana de Fisica, vol.69, no.6, 2023 (SCI-Expanded)
- III. **Hyperbolic caustics of light rays reflected by hyperbolic front mirrors**

TUNCER O. O., GÖK İ.

European Physical Journal Plus, vol.138, no.3, 2023 (SCI-Expanded)

- IV. **A Geometric Interpretation of Polarized Light and Electromagnetic Curves Along an Optical Fiber with Surface Kinematics**  
Ceyhan H., ÖZDEMİR Z., GÖK İ., Ekmekci F. N.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.19, no.6, 2022 (SCI-Expanded)
- V. **Kinematic equations of Lorentzian magnetic flux tubes based on split quaternion algebra**  
ÖZDEMİR Z., TUNCER O. O., GÖK İ.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.136, no.9, 2021 (SCI-Expanded)
- VI. **Accretive Darboux growth in Lorentz-Minkowski spacetime**  
TUĞ G., ÖZDEMİR Z., GÖK İ.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.44, no.8, pp.6857-6875, 2021 (SCI-Expanded)
- VII. **HYPER-DUAL HORADAM QUATERNIONS**  
Ait-Amrane N. R., GÖK İ., TAN E.  
MISKOLC MATHEMATICAL NOTES, vol.22, no.2, pp.903-913, 2021 (SCI-Expanded)
- VIII. **A New Quaternion Valued Frame of Curves with an Application**  
Cansu G., YAYLI Y., GÖK İ.  
FILOMAT, vol.35, no.1, pp.315-330, 2021 (SCI-Expanded)
- IX. **Electromagnetic curves and rotation of the polarization plane through alternative moving frame**  
Ceyhan H., ÖZDEMİR Z., GÖK İ., Ekmekci F. N.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, no.11, 2020 (SCI-Expanded)
- X. **Surface-dependent growth kinematics in euclidean 3-space**  
Oncul S., ÖZDEMİR Z., GÖK İ.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.43, no.15, pp.9280-9297, 2020 (SCI-Expanded)
- XI. **Tubular Surfaces Formed by Semi-spherical Indicatrices in E-1(3)**  
ATEŞ F., Kocakusakli E., GÖK İ., Ekmekci N.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.17, no.4, 2020 (SCI-Expanded)
- XII. **Notes on pedal and contrapedal curves of fronts in the Euclidean plane**  
TUNCER O. O., Ceyhan H., GÖK İ., Ekmekci F. N.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, no.13, pp.5096-5111, 2018 (SCI-Expanded)
- XIII. **Circular Surfaces with Split Quaternionic Representations in Minkowski 3-space**  
TUNCER O. O., Canakci Z., GÖK İ., Yayli Y.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.28, no.3, 2018 (SCI-Expanded)
- XIV. **Some variations of dual Euler-Rodrigues formula with an application to point-line geometry**  
Kahveci D., GÖK İ., YAYLI Y.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, no.2, pp.1029-1039, 2018 (SCI-Expanded)
- XV. **A study of the tubular surfaces constructed by the spherical indicatrices in Euclidean 3-space**  
ATEŞ F., Kocakusakli E., GÖK İ., YAYLI Y.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1711-1725, 2018 (SCI-Expanded)
- XVI. **Accretive Darboux growth along a space curve**  
TUĞ G., Ozdemir Z., GÖK İ., Ekmekci F. N.  
APPLIED MATHEMATICS AND COMPUTATION, vol.316, pp.516-524, 2018 (SCI-Expanded)
- XVII. **EXTENDED RECTIFYING CURVES AS NEW KIND OF MODIFIED DARBOUX VECTORS**  
Yayli Y., Gok İ., Hacisalihoglu H. H.  
TWMS JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.9, no.1, pp.18-31, 2018 (SCI-Expanded)
- XVIII. **A New Aspect of Rectifying Curves and Ruled Surfaces in Galilean 3-Space**  
ÇETİN E. D., GÖK İ., YAYLI Y.  
FILOMAT, vol.32, no.8, pp.2953-2962, 2018 (SCI-Expanded)
- XIX. **Some new types of associated curves in Euclidean 3-space**  
Ozdogan S., TUNCER O. O., GÖK İ., YAYLI Y.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.26, no.1, pp.205-221,

2018 (SCI-Expanded)

- XX. **A New Representation of Canal Surfaces with Split Quaternions in Minkowski 3-Space**  
Kocakusakli E., Tuncer O. O., GÖK İ., YAYLI Y.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1387-1409, 2017 (SCI-Expanded)
- XXI. **Quaternionic Approach of Canal Surfaces Constructed by Some New Ideas**  
GÖK İ.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1175-1190, 2017 (SCI-Expanded)
- XXII. **BERTRAND CURVES IN THREE DIMENSIONAL LIE GROUPS**  
Okuyucu O. Z., GÖK İ., YAYLI Y., Ekmekci N.  
MISKOLC MATHEMATICAL NOTES, vol.17, no.2, pp.999-1010, 2017 (SCI-Expanded)
- XXIII. **The geometrical and algebraic interpretations of Euler-Rodrigues formula in Minkowski 3-space**  
Kahveci D., YAYLI Y., GÖK İ.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, no.10, 2016 (SCI-Expanded)
- XXIV. **Extended Rectifying Curves in Minkowski 3-Space**  
Yilmaz B., GÖK İ., YAYLI Y.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.2, pp.861-872, 2016 (SCI-Expanded)
- XXV. **A new approach on curves of constant precession**  
Uzunoglu B., GÖK İ., YAYLI Y.  
APPLIED MATHEMATICS AND COMPUTATION, vol.275, pp.317-323, 2016 (SCI-Expanded)
- XXVI. **Notes on magnetic curves in 3D semi-Riemannian manifolds**  
Ozdemir Z., GÖK İ., YAYLI Y., EKMEKÇİ F. N.  
TURKISH JOURNAL OF MATHEMATICS, vol.39, no.3, pp.412-426, 2015 (SCI-Expanded)
- XXVII. **Null W-slant helices in E-1(3)**  
Gokcelik F., GÖK İ.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.420, no.1, pp.222-241, 2014 (SCI-Expanded)
- XXVIII. **A new approach for magnetic curves in 3D Riemannian manifolds**  
Bozkurt Z., GÖK İ., YAYLI Y., Ekmekci F. N.  
JOURNAL OF MATHEMATICAL PHYSICS, vol.55, no.5, 2014 (SCI-Expanded)
- XXIX. **Characterizations of timelike slant helices in Minkowski 3-space**  
GÖK İ., Nurkan S. K., İLARSLAN K., KULA L., Altinok M.  
MATHEMATICAL COMMUNICATIONS, vol.19, no.1, pp.119-138, 2014 (SCI-Expanded)
- XXX. **GENERALIZED NULL BERTRAND CURVES IN MINKOWSKI SPACE-TIME**  
Aksoyak F. K., GÖK İ., İLARSLAN K.  
ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI-SERIE NOUA-MATEMATICA, vol.60, no.2, pp.489-502, 2014 (SCI-Expanded)
- XXXI. **A New Approach on Helices in Pseudo-Riemannian Manifolds**  
Ziplar E., YAYLI Y., GÖK İ.  
ABSTRACT AND APPLIED ANALYSIS, vol.2014, 2014 (SCI-Expanded)
- XXXII. **ON MANNHEIM PARTNER CURVES IN THREE DIMENSIONAL LIE GROUPS**  
GÖK İ., Okuyucu O. Z., Ekmekci N., YAYLI Y.  
MISKOLC MATHEMATICAL NOTES, vol.15, no.2, pp.467-479, 2014 (SCI-Expanded)
- XXXIII. **On pseudo null Bertrand curves in Minkowski space-time**  
GÖK İ., Nurkan S. K., Ilarslan K.  
Kyungpook Mathematical Journal, vol.54, no.4, pp.685-697, 2014 (SCI-Expanded)
- XXXIV. **Slant helices in three dimensional Lie groups**  
Okuyucu O. Z., GÖK İ., Yayli Y., Ekmekci N.  
APPLIED MATHEMATICS AND COMPUTATION, vol.221, pp.672-683, 2013 (SCI-Expanded)
- XXXV. **Characterizations of rectifying, normal and osculating curves in three dimensional compact Lie groups**  
Bozkurt Z., GÖK İ., Okuyucu O. Z., EKMEKÇİ F. N.  
Life Science Journal, vol.10, no.3, pp.819-823, 2013 (SCI-Expanded)

- XXXVI. **A new approach on helices in Euclidean n-space**  
 Senol A., Ziplar E., YAYLI Y., GÖK İ.  
 MATHEMATICAL COMMUNICATIONS, vol.18, no.1, pp.241-256, 2013 (SCI-Expanded)
- XXXVII. **On the quaternionic B 2 slant helices in the semi-Euclidean space E 2 4**  
 Kahraman F., GÖK İ., Hacisalihoğlu H. H.  
 Applied Mathematics and Computation, vol.218, no.11, pp.6391-6400, 2012 (SCI-Expanded)
- XXXVIII. **On the Quaternionic B 2-Slant Helices in the Euclidean Space E 4**  
 GÖK İ., Okuyucu O. Z., Kahraman F., Hacisalihoğlu H. H.  
 Advances in Applied Clifford Algebras, vol.21, no.4, pp.707-719, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **New Representation for Slant Curves in Sasakian 3-Manifolds**  
 Ateş O., GÖK İ., YAYLI Y.  
 International Electronic Journal of Geometry, vol.17, no.1, pp.277-289, 2024 (ESCI)
- II. **Polynomial Parametric Equations of Rectifying Salkowski Curves**  
 YILMAZ B., GÖK İ., YAYLI Y.  
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.1, pp.211-219, 2021 (ESCI)
- III. **The construction of circular surfaces with quaternions**  
 Canakci Z., TUNCER O. O., GÖK İ., YAYLI Y.  
 ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.12, no.7, 2019 (ESCI)
- IV. **Timelike clad helices and developable surfaces in Minkowski 3-space**  
 Kaya S., Ates O., GÖK İ., YAYLI Y.  
 Rendiconti del Circolo Matematico di Palermo, vol.68, no.2, pp.259-273, 2019 (Scopus)
- V. **KILLING MAGNETIC FLUX SURFACES IN EUCLIDEAN 3-SPACE**  
 ÖZDEMİR Z., GÖK İ., YAYLI Y., Ekmekci F. N.  
 HONAM MATHEMATICAL JOURNAL, vol.41, no.2, pp.329-342, 2019 (ESCI)
- VI. **HARMONIC CURVATURE FUNCTIONS OF SOME SPECIAL CURVES IN GALILEAN 3-SPACE**  
 YILMAZ B., Metin S., GÖK İ., YAYLI Y.  
 HONAM MATHEMATICAL JOURNAL, vol.41, no.2, pp.301-319, 2019 (ESCI)
- VII. **A Geometric view of Magnetic Surfaces and Magnetic Curves**  
 Ozdemi Z., GÖK İ., Ekmekci F. N.  
 INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.12, no.1, pp.126-134, 2019 (ESCI)
- VIII. **ALGEBRAIC PROPERTIES OF BI-PERIODIC DUAL FIBONACCI QUATERNIONS**  
 Ates F., Gok İ., Ekmekci N.  
 KRAGUJEVAC JOURNAL OF MATHEMATICS, vol.43, no.1, pp.99-107, 2019 (ESCI)
- IX. **Characterizations of Inclined Curves According to ParallelTransport Frame in E4 and Bishop Frame in E3**  
 ATEŞ F., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
 Konuralp Journal of Mathematics, vol.7, no.1, pp.16-24, 2019 (Peer-Reviewed Journal)
- X. **A Generalization of Dual Bi-Periodic Fibonacci Quaternions**  
 TAN E., Gok İ.  
 JOURNAL OF MATHEMATICAL EXTENSION, vol.13, no.1, pp.67-81, 2019 (ESCI)
- XI. **A New Kind of Slant Helix in Lorentzian (n**  
 Ates F., GÖK İ., EKMEKÇİ F. N.  
 KYUNGPOOK MATHEMATICAL JOURNAL, vol.56, no.3, pp.1003-1016, 2016 (ESCI)
- XII. **Darboux Frame of a Curve Lying on a LightlikeSurface**  
 YAKICI TOPBAŞ E. S., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
 MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.4, no.2, pp.121-130, 2016 (Peer-Reviewed Journal)
- XIII. **Darboux Frame of a Curve Lying on a Lightlike Surfaces**

- YAKICI TOPBAŞ E. S., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
Mathematical Sciences and Applications E-Notes, 2016 (Peer-Reviewed Journal)
- XIV. **A New Construction of the Sierpinski Triangles with Galilean Transformations**  
Büyükyılmaz E. A., YAYLI Y., GÖK İ.  
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, 2016 (Peer-Reviewed Journal)
- XV. **WHAT IS THE LOCUS OF THE CENTERS OF MEUSNIER SPHERES IN THE MINKOWSKI 3-SPACE?**  
Yılmaz B., Ozdemir Z., GÖK İ., YAYLI Y.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.31, no.3, pp.717-740, 2016 (ESCI)
- XVI. **A New Kind of Slant Helix in Lorentzian  $n$  2 Spaces**  
ATEŞ F., GÖK İ., EKMEKÇİ F. N.  
Kyungpook Mathematical Journal, 2016 (Scopus)
- XVII. **Big Ideas for Small Mathematicians**  
GÖK İ.  
Tubitak Popüler Bilim Kitapları, 2015 (Peer-Reviewed Journal)
- XVIII. **A New Approach to Type 3 Slant Helix in  $E$**   
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y., GÜVEN K.  
General Mathematics Notes, 2015 (Peer-Reviewed Journal)
- XIX. **A New Approach on Type 3 Slant Helix in  $E^4$**   
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
Gen. Math. Notes, 2015 (Peer-Reviewed Journal)
- XX. **Cartoon Guide to Algebra**  
GÖK İ.  
TÜBİTAK popüler bilim kitapları, 2015 (Peer-Reviewed Journal)
- XXI. **Cows in the Maze**  
GÖK İ.  
TUBİTAK Popüler Bilim Kitapları, 2015 (Peer-Reviewed Journal)
- XXII. **Locus of the centers of Meusnier spheres in Euclidean 3 space**  
UZUNOĞLU B., YAYLI Y., GÖK İ.  
Universal Journal of Mathematics and Mathematical Sciences, vol.7, no.1, 2015 (Peer-Reviewed Journal)
- XXIII. **Big Ideas for Growing Mathematicians**  
GÖK İ.  
Tubitak Popüler Bilim Kitapları, 2015 (Peer-Reviewed Journal)
- XXIV. **From Here to Infinity**  
GÖK İ.  
Tubitak Popüler Bilim Kitapları, 2015 (Peer-Reviewed Journal)
- XXV. **Cartoon Guide to Calculus**  
GÖK İ.  
Tubitak Popüler Bilim Kitapları, 2015 (Peer-Reviewed Journal)
- XXVI. **Parallel transport frame in 4 dimensional Euclidean space  $E^4$**   
Fatma G., Bozkurt Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
Caspian J. of Math. Sci., 2014 (Peer-Reviewed Journal)
- XXVII. **On the Bour s theorem with respect to conformal map in Minkowski space  $E^3$**   
BOZKURT Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
J. Dyn. Syst. Geom. Theor., vol.10, no.2, 2012 (Peer-Reviewed Journal)
- XXVIII. **A conformal approach to Bour s theorem**  
Bozkurt Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
Mathematica Aeterna, vol.2, pp.7-8, 2012 (Peer-Reviewed Journal)
- XXIX. **On surface theory in 3 dimensional almost contact metric manifold**  
GÖK İ., CAMCI Ç., Hasan Hilmi H.  
Commun. Fac. Sci. Univ. Ank. Series A1 Volume 60, 2011 (Peer-Reviewed Journal)
- XXX. **LC Slant helix on hypersurface in Minkowski space  $E$**

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XXXI. **LC SLANT HELIX ON HYPERSURFACES IN MINKOWSKI SPACE En 1**

ÖZKALDI KARAKUŞ S., GÖK İ., YAYLI Y., HACISALİHOĞLU H.

J. pure Appl. Math, vol.1, no.2, pp.137, 2010 (Peer-Reviewed Journal)

XXXII. **V n Slant helices in Minkowski n space E**

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## Refereed Congress / Symposium Publications in Proceedings

- I. **q-dual generalized complex Fibonacci numbers**  
TUNA N., TAN E., GÖK İ.  
The Sixth Workshop New Trends in Quaternions and Octonions (NTQO), Portugal, 25 - 26 November 2022
- II. **Surfaces with Density in Minkowski 3-space**  
KOCAKUŞAKLI E., GÖK İ.  
1.INTERNATIONAL CONGRESS ON MATHEMATICS AND GEOMETRY, 09 December 2020
- III. **Caustics of Pseudo Spherical Curves**  
ATEŞ F., GÖK İ., EKMEKÇİ F. N.  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), Kiev, Ukraine, 28 - 31 August 2018, pp.168
- IV. **A GEOMETRIC VIEW OF MAGNETIC SURFACES AND MAGNETIC CURVES**  
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N.  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), Kiev, Ukraine, 28 - 31 August 2018
- V. **Surface Growth Kinematics in Galilean Space**  
ÖZDEMİR Z., TUĞ G., GÖK İ., EKMEKÇİ F. N.  
16th International Geometry Symposium 2018, Manisa, Turkey, 4 - 07 July 2018
- VI. **Spherical Caustic Curves Generated by Reflected Rays**  
ATEŞ F., EKMEKÇİ F. N., GÖK İ.  
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- VII. **A New Approach on Slant Curves in three Dimensional Lie Groups**  
OKUYUCU O. Z., DEĞİRMEN C., GÖK İ.  
6th International Eurasian Conference on Mathematical Sciences and Applications, 15 - 18 August 2017
- VIII. **Rectifying curves in n-dimensional Euclidean space**  
YILMAZ B., GÖK İ., YAYLI Y.  
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- IX. **Accretive Darboux Growth Along a Space Curve**  
TUĞ G., ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N.  
15th International Geometry Symposium 2017, Amasya, Turkey, 3 - 06 July 2017
- X. **Pedal Curves of Fronts in the Euclidean Plane**  
CEYLAN H., TUNCER O. O., EKMEKÇİ F. N., GÖK İ.  
15th International Geometry Symposium 2017, Amasya, Turkey, 3 - 06 July 2017
- XI. **A new approach on Roller Coaster surfaces with an alternative moving frame**  
ÇANAKCI Z., TUNCER O. O., GÖK İ., YAYLI Y.  
15 th International Geometry Symposium 2017, 3 - 06 July 2017
- XII. **A New Aspect of Rectifying curves in Galilean 3-space**  
ÇETİN DEMİR E., GÖK İ., YAYLI Y.  
15 th International Geometry Symposium 2017, 3 June - 06 July 2017
- XIII. **Magnetic Surfaces**



- ÖZDEMİR Z., EKMEKÇİ F. N., GÖK İ.  
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- XIV. **Pedal and Contrapedal Curves of Fronts in de Sitter and Hyperbolic 2-spaces**  
TUNCER O. O., CEYLAN H., GÖK İ., EKMEKÇİ F. N.  
15th International Geometry Symposium 2017, Amasya, Turkey, 3 - 06 July 2017
- XV. **A Generalization of the Dual Fibonacci Quaternions**  
ATEŞ F., GÖK İ., EKMEKÇİ F. N.  
International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017
- XVI. **Geometry of Fractal structures in Galilean Plane**  
BÜYÜKYILMAZ E. A., YAYLI Y., GÖK İ.  
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- XVII. **On some special curves**  
YILMAZ B., GÖK İ., YAYLI Y.  
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- XVIII. **Magnetic Trajectories in Sasakian Space**  
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International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- XIX. **A curve whose position vector lies on the orthogonal complement of its any Frenet vector in Minkowski n space**  
ateş o., GÖK İ., YAYLI Y.  
8th International meeting on Lorentzian geometry, 20 - 23 September 2016
- XX. **Surfaces with a common isophote curve in Minkowski 3 space**  
tuncer o. o., GÖK İ., YAYLI Y.  
8th International meeting on Lorentzian geometry, 20 - 23 September 2016
- XXI. **A Quaternionic Representation for Canal Surfaces in Minkowski 3 Space**  
Tuncer O. O., Kocakuşaklı E., GÖK İ., EKMEKÇİ F. N.  
8TH INTERNATIONAL MEETING ON LORENTZIAN GEOMETRY, Spain, 20 - 23 September 2016
- XXII. **Applications on the Magnetic Fields**  
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
V. Uluslararası Avrasya Matematik Bilimleri ve Uygulamaları Konferansı (IECMSA-2016), Belgrade, Serbia, 16 - 19 August 2016
- XXIII. **Rectifying Salkowski curves with serial approach in Minkowski 3 space**  
YILMAZ B., GÖK İ., YAYLI Y.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXIV. **Sierpinski type Fractals in Galilean Plane**  
Büyükyılmaz E. A., YAYLI Y., GÖK İ.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXV. **Rectifying curves in Minkowski n space**  
ATEŞ O., GÖK İ., YAYLI Y.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXVI. **Tubular surfaces with a new idea in Mimkowski Space**  
Kocakuşak E., ATEŞ F., GÖK İ., EKMEKÇİ F. N.  
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016
- XXVII. **Surfaces with a common isophote curve in Euclidean 3 space**  
tuncer o. o., GÖK İ., YAYLI Y.  
14 th International Geometry Symposium, 25 - 28 May 2016
- XXVIII. **A new type of associated curves**  
ZIPLAR E., YAYLI Y., GÖK İ.  
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- XXIX. **Dual Euler Rodrigues Formula**  
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14th International Geometry Symposium, 25 - 28 May 2016
- XXX. **Tubular surfaces with a new idea in Minkowski 3 space**  
Kocakuşaklı E., ATEŞ F., GÖK İ., EKMEKÇİ F. N.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXXI. **Some solutions on the flux surfaces**  
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
14th International Geometry Symposium, 25 - 28 May 2016
- XXXII. **Manyetik Eğriler ve Akı Yüzeyleri**  
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y., OTO Ö.  
XIII. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015
- XXXIII. **Notes on slant curves in Sasakian 3 Manifolds**  
GÖK İ., ATEŞ O.  
19th International Summer School on Global Analysis and its Applications, 25 - 30 August 2014
- XXXIV. **Generalized of Null W slant Helices**  
Fatma G., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
XII. Geometri Sempozyumu Bilecek Şeyh Edebalı Üniversitesi, Turkey, 23 - 28 June 2014
- XXXV. **Variational approach to curves on semi Riemannian Manifolds**  
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
Karatekin Mathematics Days, Çankırı, Turkey, 11 - 13 June 2014
- XXXVI. **Null w slant Helices in E13**  
Fatma G., EKMEKÇİ F. N., GÖK İ.  
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- XXXVII. **Lorentzian Orthogonal Triangles in Lorentzian Plane**  
Güler k. y., GÖK İ., YAYLI Y.  
II. International Eurasian Conference on Mathematical Sciences and Applications konferansı, 26 - 29 August 2013
- XXXVIII. **Magnetic curves on Sasakian Manifolds**  
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II. International Eurasian Conference on Mathematical Sciences and Applications konferansı, 26 - 29 August 2013
- XXXIX. **Notes on curves in Sasakian 3 Manifolds**  
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- XL. **Inclined curves in the Lightlike cone**  
YAKICI E. S., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
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- XLI. **Harmonic curvature function of special curves in Lie groups**  
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- XLII. **Quaternionic slant helix in Semi Euclidean space E**  
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- XLIII. **V i slant helix in n Euclidean space**  
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- XLIV. **LC slant helix on hypersurfaces in Euclidean space E**  
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- XLV. **On the quaternionic B slant helices in the semi Euclidean space E**  
GÖK İ., KAHRAMAN AKSOYAK F., Hasan Hilmi H.  
IV congress of the Turcic World Mathematical Society konferansı, 1 - 03 July 2011
- XLVI. **E Öklid uzayında kuaterniyonik B slant helisler**  
GÖK İ., OKUYUCU O. Z., KAHRAMAN AKSOYAK F., Hasan Hilmi h.  
5. Ankara Matematik Günleri konferansı, Turkey, 3 - 04 June 2010
- XLVII. **V n slant helices in Euclidean n space**  
GÖK İ., CAMCI Ç., Hasan Hilmi H.  
VII.Geometri Sempozyumu konferansı, Turkey, 7 - 10 July 2009
- XLVIII. **Generalizations of null W slant helices**  
Fatma G., GÖK İ., EKMEKÇİ F. N.  
XII. Geometri Sempozyumu konferansı, Turkey, 23 - 26 June 2014
- XLIX. **n 1 boyutlu Minkowski uzayında bir hiperyüzey üzerinde LC Slant helisler**  
ÖZKALDI KARAKUŞ S., GÖK İ., YAYLI Y., Hasan Hilmi H.  
IV.Ankara Matematik Günleri Sempozyumu konferansı, Turkey, 4 - 06 June 2009
- L. **The connections in between the curvatures of a curve on M and the curvatures of a strip**  
OKUYUCU O. Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.  
VIII.Geometri Sempozyumu konferansı, Turkey, 29 April - 02 May 2010
- LI. **De Moivre and Euler formulas for matrices of Quaternions**  
MERAL M., Hasan Hilmi H., YAYLI Y., GÖK İ.  
VIII.Geometri Sempozyumu konferansı, Turkey, 29 April - 02 May 2010
- LII. **On non null Bertrand curves in Minkowski space time**  
GÖK İ., CAMCI Ç., İLARSLAN K.  
VIII.Geometri Sempozyumu konferansı, Turkey, 29 April - 02 May 2010
- LIII. **Finite type submanifolds which lies N 2n c cylinder in R 3**  
CAMCI Ç., GÖK İ.  
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## Expert Reports

- I. **Characterizations of Space Curves with 1 Type Darboux Instantaneous Rotation Vector**  
GÖK İ.  
2015
- II. **Matrix Formulation of Real Quaternions**  
GÖK İ.  
2015

## Activities in Scientific Journals

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,  
Editor, 2021 - Continues

## Tasks In Event Organizations

Gök İ., Kariyer Günleri, Student Club and Community Activity, Ankara, Turkey, Ekim 2023

## Metrics

Publication: 125

Citation (WoS): 330

Citation (Scopus): 342

H-Index (WoS): 10

H-Index (Scopus): 11