

## Asst. Prof. ANIL ALTINKAYA

### Personal Information

Office Phone: [+90 312 202 1548](tel:+903122021548)

Fax Phone: [+90 312 202 1548](tel:+903122021548)

Email: [anilaltinkaya@gazi.edu.tr](mailto:anilaltinkaya@gazi.edu.tr)

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

### International Researcher IDs

ORCID: 0000-0003-2382-6596

Yoksis Researcher ID: 267385

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2017 - 2023

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Gazi University, Fen Fakültesi, Matematik Bölümü, Turkey 2010 - 2014

### Dissertations

Doctorate, B-Lift Eğrileri İçin Bazı Karakterizasyonlar, Gazi University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, Yönlü Grafların Enerjisi, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2017

### Research Areas

Mathematics, Differential Geometry

### Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2023 - Continues

Research Assistant PhD, Gazi University, Fen Fakültesi, Matematik, 2023 - 2023

Research Assistant, Gazi University, Fen Fakültesi, Matematik, 2017 - 2023

### Courses

GEOMETRİ I, Undergraduate, 2024 - 2025

DİFERENSİYEL GEOMETRİ II, Undergraduate, 2023 - 2024

CEBİRSEL GEOMETRİ, Undergraduate, 2023 - 2024

DİFERENSİYEL GEOMETRİ I, Undergraduate, 2024 - 2025

MATEMATİK II, Undergraduate, 2023 - 2024

MATHEMATICS I, Undergraduate, 2023 - 2024

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

- I. **Minkowski Geometry of Special Conformable Curves**  
Karaca E., Altinkaya A.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.21, pp.1-16, 2024 (SCI-Expanded)
- II. **Dual Hybrid Numbers and Their Hybrid Matrix Representations**  
ALTINKAYA A., ÇALIŞKAN M.  
Proceedings of the National Academy of Sciences India Section A - Physical Sciences, vol.94, no.3, pp.301-307, 2024 (SCI-Expanded)
- III. **On Spatial Quaternionic b-lift Curves**  
Altinkaya A., Çalışkan M.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA, SERIA MATEMATICA, vol.31, no.3, pp.5-14, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **B-Lift curves and involute curves in Lorentzian 3-space**  
ALTINKAYA A., ÇALIŞKAN M.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.73, 2023 (ESCI)
- II. **B-Lift curves and its ruled surfaces**  
Altinkaya A., Çalışkan M.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.72, no.1, pp.159-168, 2023 (Peer-Reviewed Journal)
- III. **Bertrand Curves and B-Lift Curves in Lorentzian 3-Space**  
ALTINKAYA A., ÇALIŞKAN M.  
Turkish Journal of Mathematics and Computer Science, vol.14, pp.24-31, 2022 (Peer-Reviewed Journal)
- IV. **B-LIFT CURVES IN LORENTZIAN 3-SPACE**  
ALTINKAYA A., ÇALIŞKAN M.  
Journal of Science and Arts, 2022 (Peer-Reviewed Journal)
- V. **On the curvatures of the ruled surfaces of b-lift curves**  
ALTINKAYA A., ÇALIŞKAN M.  
Cumhuriyet Science Journal, vol.42, no.4, pp.873-877, 2021 (Peer-Reviewed Journal)
- VI. **SOME CHARACTERIZATIONS OF  $(M)$ over-bar-GEODESIC SPRAY AND  $(M)$ over-bar-INTEGRAL CURVE IN DUAL SPACE**  
Akbaba Y., ÇALIŞKAN M., ALTINKAYA A.  
JOURNAL OF SCIENCE AND ARTS, no.1, pp.85-90, 2020 (ESCI)
- VII. **ENERGY OF DIRECTED GRAPHS**  
BÜYÜKKÖSE Ş., ALTINKAYA A.  
JOURNAL OF SCIENCE AND ARTS, no.4, pp.707-710, 2017 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Hybrid Matrix Representations of Dual Hybrid Numbers**  
ALTINKAYA A., ÇALIŞKAN M.  
20th International Geometry Symposium, Van, Turkey, 18 - 20 July 2024
- II. **On Spatial Quaternionic B-Lift Curves**  
ALTINKAYA A., ÇALIŞKAN M.  
IECMSA 2022, Turkey, 29 August 2022
- III. **Bertrand Curves and B-Lift Curves in Lorentzian 3-Space**  
ALTINKAYA A., ÇALIŞKAN M.

ICMME 2021, Turkey, 16 September 2021

- IV. **B-Lift Curves in Dual Space**  
ALTINKAYA A., ÇALIŞKAN M.  
IECMSA 2021, Turkey, 25 August 2021
- V. **On the Ruled Surfaces of the B-Lift Curves**  
ALTINKAYA A., ÇALIŞKAN M.  
18th International Geometry Symposium, Turkey, 12 July 2021
- VI. **Some Characterizations for the B-Lift Curve**  
ALTINKAYA A., ÇALIŞKAN M.  
9th International Eurasian Conference on Mathematical Sciences and Applications, Üsküp, Macedonia, 25 - 28 August 2020
- VII. **3 Boyutlu Öklid Uzayında Bir Eğrinin Tabii Lifti ve Mannheim Çifti Üzerine**  
ALTINKAYA A., ÇALIŞKAN M.  
32. Ulusal Matematik Sempozyumu, Turkey, 31 August - 03 September 2019
- VIII. **Dual Uzayda Bir Eğrinin Tabii Lifti ve İvolütü Üzerine Bazı Karakterizasyonlar**  
ALTINKAYA A., ÇALIŞKAN M.  
14. Ankara Matematik Günleri, Turkey, 28 - 29 June 2019
- IX. **Some Results for the Energy of Directed Graphs**  
ALTINKAYA A., BÜYÜKKÖSE Ş., ÇALIŞKAN M.  
7th International Eurasian Conference on Mathematical Sciences and Applications, 28 - 31 August 2018

## Tasks In Event Organizations

Özeken Ç. C., ALTINKAYA A., International Conference on Mathematics and Mathematics Education (ICMME 2021), Scientific Congress, Ankara, Turkey, Eylül 2021

Altinkaya A., 14. Ankara Matematik Günleri (AMG 2019), Scientific Congress, Ankara, Turkey, Haziran 2019

## Metrics

Publication: 19

Citation (WoS): 2

H-Index (WoS): 1