

## Asst. Prof. SEZGİN BÜYÜKKÜTÜK

### Personal Information

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### Education Information

Doctorate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Turkey 2012 - 2018

Post Graduate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey 2010 - 2012

### Dissertations

Doctorate, ÇARPANLARA AYRILABİLİR YÜZEYLERİN BİR KARAKTERİZASYONU, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, 2018

Post Graduate, Öklid uzaylarında öteleme yüzeylerinin bir karakterizasyonu, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2012

### Research Areas

Mathematics

### Academic Titles / Tasks

Assistant Professor, Kocaeli University, Gölcük Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2018 - Continues

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2014 - 2018

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Constant Ratio Quaternionic Curves in Euclidean Spaces**  
ÖZTÜRK G., KİŞİ İ., BÜYÜKKÜTÜK S.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1659-1673, 2017 (Journal Indexed in SCI)
- II. **A characterization of curves in Galilean 4-space  $G_4$**   
ÖZTÜRK G., BÜYÜKKÜTÜK S., KİŞİ İ.  
Bulletin Of The Iranian Mathematical Society, vol.43, 2017 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

- I. **Some Characterizations of Curves in n-dimensional Euclidean Space n**  
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G., ARSLAN K.  
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Refereed Journals of Other Institutions)
- II. **SPACELIKE TRANSLATION SURFACES IN MINKOWSKI 4 SPACE  $E^{-1}(4)$ .**

BÜYÜKKÜTÜK S., Orturk G.

FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.35, no.3, pp.789-800, 2020 (Journal Indexed in ESCI)

III. **A Characterization of Factorable Surfaces in Euclidean 4-Space  $E_4$**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

Kocaeli Journal of Science and Engineering, vol.1, no.1, pp.15-20, 2018 (Refereed Journals of Other Institutions)

IV. **Constant ratio timelike curves in pseudo-Galilean 3-space  $G_{1,3}$**

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.

Creative Mathematics and Informatics, 2018 (Refereed Journals of Other Institutions)

V. **Constant ratio timelike curves in pseudo-Galilean 3-space  $G_{-1,3}$**

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.

Creative Mathematics and Informatics, vol.27, no.1, pp.57-62, 2018 (Refereed Journals of Other Institutions)

VI. **A Characterization of Non-Lightlike Curves With Respect to Parallel Transport Frame in Minkowski Space-Time**

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES, 2018 (Refereed Journals of Other Institutions)

VII. **A New Characterization of Curves on Dual Unit Sphere**

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G., ZOR A.

Journal of Abstract and Computational Mathematics, vol.2, 2017 (Refereed Journals of Other Institutions)

VIII. **A Characterization of Curves According to Parallel Transport Frame in Euclidean  $n$ -Space  $E_n$**

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

New Trends in Mathematical Sciences, vol.5, 2017 (Refereed Journals of Other Institutions)

IX. **SPACELIKE FACTORABLE SURFACES IN FOUR-DIMENSIONAL MINKOWSKI SPACE**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.9, no.4, pp.12-20, 2017 (Journal Indexed in ESCI)

X. **AW  $k$  TYPE CURVES ACCORDING TO PARALLEL TRANSPORT FRAME IN EUCLIDEAN SPACE  $E_4$**

KİŞİ İ., BÜYÜKKÜTÜK S., DEEPMALA, ÖZTÜRK G.

Facta Universitatis Series: Mathematics and Informatics, vol.31, no.4, pp.885-905, 2016 (Refereed Journals of Other Institutions)

XI. **AW( $k$ )-TYPE CURVES ACCORDING TO PARALLEL TRANSPORT FRAME IN EUCLIDEAN SPACE  $E_4$**

KİŞİ İ., BÜYÜKKÜTÜK S., Deepmala, ÖZTÜRK G.

FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.31, no.4, pp.885-905, 2016 (Journal Indexed in ESCI)

XII. **SOME CHARACTERIZATIONS OF CURVES IN GALILEAN 3-SPACE  $G(3)$**

BÜYÜKKÜTÜK S., KİŞİ İ., MISHRA V. N., ÖZTÜRK G.

FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.31, no.2, pp.503-512, 2016 (Journal Indexed in ESCI)

XIII. **Constant ratio curves according to parallel transportframe in euclidean 4 space  $E_4$**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

New Trends in Mathematical Sciences, vol.3, no.4, pp.171-178, 2015 (Refereed Journals of Other Institutions)

XIV. **Constant Ratio Curves According to Bishop Frame in Euclidean 3 Space  $E_3$**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

General Mathematics Notes, vol.28, no.1, pp.81-91, 2015 (Refereed Journals of Other Institutions)

## **Refereed Congress / Symposium Publications in Proceedings**

I. **Timelike Aminov Surfaces of Elliptic Type in Minkowski 4-Space  $E_{1,3}$**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

2nd International Conference on Life and Engineering Sciences, 27 - 29 June 2019

- II. **Timelike Aminov Surfaces of Hyperbolic Type in Minkowski 4-Space E<sub>14</sub>**  
BÜYÜKKÜTÜK S., ÖZTÜRK G.  
2nd International Conference on Life and Engineering Sciences, 27 - 29 June 2019
- III. **Focal Surface of a Tubular Surface with Darboux Frame in E<sub>3</sub>**  
ÖZTÜRK G., BÜYÜKKÜTÜK S., KİŞİ İ.  
International Conference on Mathematics and Mathematics Education(ICMME 2019), 11 - 13 July 2019
- IV. **FOCAL SURFACE OF A TUBULAR SURFACE WITH BISHOPFRAME IN E<sub>3</sub>**  
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.  
IFSCOM20185th Ifs And Contemporary Mathematics Conference, 5 - 09 September 2018
- V. **Timelike Factorable Surfaces in Minkowski 4-Space E<sub>14</sub>**  
BÜYÜKKÜTÜK S., ÖZTÜRK G.  
16th International Geometry Symposium, 4 - 07 July 2018
- VI. **Spacelike Aminov Surfaces of Hyperbolic Type in Four Dimensional Minkowski Space E<sub>14</sub>**  
BÜYÜKKÜTÜK S., ÖZTÜRK G.  
16th International Geometry Symposium, 4 - 07 July 2018
- VII. **A Characterization of Factorable Surfaces in Euclidean 4-Space E<sub>4</sub>**  
BÜYÜKKÜTÜK S., ÖZTÜRK G.  
16th International Geometry Symposium, 4 - 07 July 2018
- VIII. **Spacelike Aminov Surfaces of Elliptic Type in Four Dimensional Minkowski Space E<sub>14</sub>**  
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.  
16th International Geometry Symposium, 4 - 07 July 2018
- IX. **Focal Surfaces of a Tubular Surface with Respect to Frenet Frame in E<sub>3</sub>**  
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.  
16th International Geometry Symposium, 4 - 07 July 2018
- X. **Constant Ratio Quaternionic Curves in Euclidean 3 Space E<sub>3</sub>**  
ÖZTÜRK G., KİŞİ İ., BÜYÜKKÜTÜK S.  
14th International Geometry Symposium, 25 - 28 May 2016
- XI. **Involutes of Order k of a Space-like Curve in E<sub>1</sub><sup>4</sup>**  
ÖZTÜRK G., KİŞİ İ., BÜYÜKKÜTÜK S., ARSLAN K.  
6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 August 2017, pp.206
- XII. **Tubular Surface with Pointwise 1-Type Gauss Map in Euclidean 4-Space**  
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.  
15th International Geometry Symposium, 3 - 06 July 2017
- XIII. **Some Characterizations of Curves in n-Dimensional Euclidean Space E<sub>n</sub>**  
ÖZTÜRK G., BÜYÜKKÜTÜK S., KİŞİ İ., ARSLAN K.  
15th International Geometry Symposium, 3 - 06 July 2017
- XIV. **Spacelike Translation Surfaces in Minkowski 4-Space E<sub>1</sub><sup>4</sup>**  
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.  
15th International Geometry Symposium, 3 - 06 July 2017
- XV. **Spacelike Translation Surfaces in Minkowski 4-Space IE<sub>14</sub>**  
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.  
15th International Geometry Symposium, 3 - 06 July 2017
- XVI. **A new type tubular surface with pointwise 1-type Gauss map in Euclidean 4-space**  
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.  
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- XVII. **A New Characterization of Curves on Dual Unit Sphere**  
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.  
International Conference on Mathematics and Engineering (ICOME 2017), 10 - 12 May 2017
- XVIII. **Spacelike Factorable Surfaces in 4-Dimensional Minkowski Space**  
BÜYÜKKÜTÜK S., ÖZTÜRK G.

International Conference on Mathematics and Engineering (ICOME 2017), 10 - 12 May 2017

**XIX. Constant Ratio Quaternionic Curves in Euclidean 4 Space E 4**

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.

International Congress on Fundamental and Applied Sciences (ICFAS 2016), 22 - 26 August 2016

**XX. A Characterization of Non Null Curves According to Parallel Transport Frame in Minkowski Space Time**

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

International Congress on Fundamental and Applied Sciences (ICFAS 2016), 22 - 26 August 2016

**XXI. Some Characterizations of Curves in Pseudo Galilean 3 Space**

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.

14th International Geometry Symposium, 25 - 28 May 2016

**XXII. On Factorable Surfaces in Euclidean 4 Space E 4**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016

**XXIII. A Characterization of Curves According to Parallel Transport Frame in Euclidean n space E n**

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), 19 - 23 May 2016

**XXIV. On Constant Ratio Curves in Galilean Spaces**

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

4\_th International Eurasian Conference on Mathematical Sciences and Applications, , , (2015), 31 August - 03 September 2015

**XXV. On Constant Ratio Curves According to Bishop Frame in Euclidean Spaces**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

13. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015

**XXVI. AW k Type Curves According to Parallel Transport Frame in Euclidean Space E 4**

KİŞİ İ., ÖZTÜRK G., BÜYÜKKÜTÜK S., ARSLAN K.

12. Ulusal Geometri Sempozyumu, , , (2014), Turkey, 23 - 26 June 2014

## Citations

Total Citations (WOS):12

h-index (WOS):2