

Prof. Mustafa Bilici

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-7092-2020

ScopusID: 57213384369

Yoksis Researcher ID: 22781

Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2005 - 2009

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1996 - 1999

Undergraduate, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Timelike veya spacelike involüt-evolüt eğri çiftleri üzerine, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2009

Postgraduate, İnvolüt-evolüt eğrilerinin küresel göstergelerinin eğrilikleri ve tabii liftleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1999

Research Areas

Mathematics, Natural Sciences

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2024 - Continues

Associate Professor, Ondokuz Mayıs University, Eğitim Fakültesi, 2017 - 2024

Assistant Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2009 - 2017

Lecturer, Amasya University, Merzifon Meslek Yüksekokulu, Teknik Programlar Bölümü, 2006 - 2009

Lecturer, Ondokuz Mayıs University, Merzifon Meslek Yüksekokulu, 1999 - 2006

Research Assistant, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1997 - 1999

Academic and Administrative Experience

Ondokuz Mayıs University, 2012 - Continues

Deputy Head of Department, Ondokuz Mayıs University, 2014 - 2016

Head of Department, Ondokuz Mayıs University, 2009 - 2016

Courses

Öğretmenlik Uygulaması I, Undergraduate, 2022 - 2023, 2021 - 2022

Matematiğin Temelleri I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Dönüşümler ve Geometri, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Analitik Geometri I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Topluma Hizmet Uygulamaları, Undergraduate, 2021 - 2022, 2020 - 2021

Öğretmenlik Uygulaması II, Undergraduate, 2021 - 2022

Matematiğin Temelleri II, Undergraduate, 2021 - 2022

Matematik Tarihi, Postgraduate, 2021 - 2022

Analitik Geometri II, Undergraduate, 2021 - 2022, 2020 - 2021

Öğretmenlik Uygulaması (İlköğretim Matematik Öğretmenliği), Undergraduate, 2020 - 2021

Alan Eğitimi Araştırma Projesi, Undergraduate, 2020 - 2021

ANALİTİK GEOMETRİ II (İLKÖĞRETİM), Undergraduate, 2016 - 2017, 2013 - 2014, 2012 - 2013, 2011 - 2012

LİNEER CEBİR I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

ANALİTİK GEOMETRİ-I (İLKÖĞRETİM), Undergraduate, 2016 - 2017, 2015 - 2016

ÖĞRETMENLİK UYGULAMASI (İLKÖĞRETİM), Undergraduate, 2016 - 2017, 2013 - 2014

DİFERANSİYEL GEOMETRİ-I, Undergraduate, 2016 - 2017, 2011 - 2012

A SEÇMELİ II (DÖNÜŞÜMLER VE GEOMETRİ, Undergraduate, 2016 - 2017, 2012 - 2013

DİFERANSİYEL GEOMETRİ-II, Undergraduate, 2016 - 2017, 2011 - 2012

LİNEER CEBİR (OFMA FİZİK), Undergraduate, 2016 - 2017, 2015 - 2016

LİNEER CEBİR II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

OKUL DENEYİMİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012

TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Analitik Geometri I (OFMA), Undergraduate, 2015 - 2016, 2013 - 2014

Alan Eğitimi Araştırma Projesi, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Analitik Geometri II (B), Undergraduate, 2015 - 2016

Öğretmenlik Uygulaması, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

A Seçmeli II (Dönüşümler ve Geometri), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012

Analitik Geometri II (A), Undergraduate, 2015 - 2016

Analitik Geometri II, Undergraduate, 2014 - 2015

Analitik Geometri-I, Undergraduate, 2014 - 2015

Gk Seçmeli (Bilim Tarihi), Undergraduate, 2014 - 2015, 2012 - 2013

Analitik Geometri I (İlköğretim), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Okul Deneyim, Undergraduate, 2013 - 2014

Uzmanlık Alan Dersi, Postgraduate, 2013 - 2014, 2012 - 2013

Öğretmenlik Uygulaması (Sınıf Öğr.), Undergraduate, 2013 - 2014

Analitik Geometri II (OFMA), Undergraduate, 2013 - 2014

Okul Deneyimi (İlköğretim), Undergraduate, 2013 - 2014, 2012 - 2013

Okul Deneyimi (Sınıf Öğr.), Undergraduate, 2012 - 2013, 2011 - 2012

Öğretim Teknikleri ve Materyal Tasarımı, Undergraduate, 2012 - 2013, 2011 - 2012

Öğretmenlik Uygulaması II (Sınıf Öğr.), Undergraduate, 2012 - 2013, 2011 - 2012

Uzmanlık Alan Dersi, Undergraduate, 2012 - 2013

Analitik Geometri-I, Undergraduate, 2012 - 2013
Analitik Geometri-II, Undergraduate, 2012 - 2013
Lorentz Geometriye Giriş, Postgraduate, 2012 - 2013, 2011 - 2012
Bilgisayar I , Undergraduate, 2012 - 2013
Genel Matematik-I (Fen Bilgisi), Undergraduate, 2011 - 2012
Genel Matematik II, Undergraduate, 2011 - 2012
A Seçmeli I (Matrisler Teorisi), Undergraduate, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Involutive sweeping surfaces with Frenet frame in Euclidean 3-space**
Köseoğlu G., Bilici M.
HELIYON, vol.9, no.8, pp.1-9, 2023 (SCI-Expanded)
- II. **Tubular involutive surfaces with Frenet frame in Euclidean 3-space**
Bilici M., Koseoglu G.
Maejo International Journal of Science and Technology, vol.17, no.2, pp.96-106, 2023 (SCI-Expanded)
- III. **New-type tangent indicatrix of involute and ruled surface according to Blaschke frame in dual space**
Bilici M., Palavar S.
MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.16, no.3, pp.199-207, 2022 (SCI-Expanded)
- IV. **Surface family with a common involute asymptotic curve**
BAYRAM E., Bilici M.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.13, no.5, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Survey on Timelike-Spacelike Involute-Evolute Curve Pair**
BİLİCİ M.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.1, pp.49-57, 2023 (Peer-Reviewed Journal)
- II. **On the Construction of the Surface Family with a Common Involute Geodesic**
BİLİCİ M., BAYRAM E.
Konuralp Journal of Mathematics, vol.11, no.1, pp.162-168, 2023 (Peer-Reviewed Journal)
- III. **A New Method for Designing Involute Trajectory Timelike Ruled Surfaces in Minkowski 3-space**
Bilici M.
Boletim da Sociedade Paranaense de Matematica, vol.41, 2023 (ESCI)
- IV. **NEW CHARACTERIZATIONS FOR SPHERICAL INDICATRICES OF INVOLUTES OF A SPACELIKE CURVE WITH A TIMELIKE BINORMAL IN MINKOWSKI 3-SPACE**
Bilici M., Çalışkan M.
JOURNAL OF SCIENCE AND ARTS, vol.22, no.3, pp.629-638, 2022 (ESCI)
- V. **Dual ruled surface constructed by the pole curve of the involute curve**
PALAVAR S., BİLİCİ M.
Int. J. Open Problems Compt. Math., vol.15, no.1, pp.39-53, 2022 (Peer-Reviewed Journal)
- VI. **On the Developability and Distribution Parameters of the Involute Trajectory Ruled Surfaces**
BİLİCİ M.
Turkish Journal of Mathematics and Computer Science, vol.13, no.1, pp.94-105, 2021 (Peer-Reviewed Journal)
- VII. **Surface construction with a common involute line of curvature**
Bilici M., Bayram E.
International Journal of Open Problems in Computer Science and Mathematics, vol.14, no.2, 2021 (Peer-Reviewed Journal)
- VIII. **Some New Results on the Curvatures of the Spherical Indicatrices of the Involutives of a Spacelike**

Curve with a Spacelike Binormal in Minkowski 3-Space

Bilici M., Çalışkan M.

MathLAB Journal, vol.2, no.1, pp.110-119, 2019 (Peer-Reviewed Journal)

- IX. **A NEW PERSPECTIVE ON THE INVOLUTES OF THE SPACELIKE CURVE WITH A SPACELIKE BINORMAL IN MINKOWSKI 3-SPACE**
Bilici M., ÇALIŞKAN M.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.573-582, 2018 (ESCI)
- X. **THE NATURAL LIFT CURVES FOR THE SPHERICAL INDICATRICES OF THE TIMELIKE-SPACELIKE BERTRAND COUPLE IN MINKOWSKI 3-SPACE**
Bilici M., Ergün E., ÇALIŞKAN M.
JOURNAL OF SCIENCE AND ARTS, no.4, pp.799-812, 2018 (ESCI)
- XI. **On the natural lift curves for the involute spherical indicatrices in Minkowski 3-space**
BİLİCİ M., Ali A. T.
Malaya Journal of Matematik, vol.2, no.2, pp.407-415, 2017 (Peer-Reviewed Journal)
- XII. **ON THE INVARIANTS OF RULED SURFACES GENERATED BY THE DUAL INVOLUTE FRENET TRIHEDRON**
Bilici M.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.66, no.2, pp.62-70, 2017 (ESCI)
- XIII. **THE NATURAL LIFT CURVE OF THE SPHERICAL INDICATRIX OF A SPACELIKE CURVE WITH NULL BINORMAL IN MINKOWSKI 3-SPACE**
Çalışkan M., Ergün E., Bilici M.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.101-106, 2016 (ESCI)
- XIV. **A New Approach to Natural Lift Curves of The Spherical Indicatrices of Timelike Bertrand Mate of a Spacelike Curve in Minkowski 3 Space**
BİLİCİ M., ERGÜN E., ÇALIŞKAN M.
International J. Math. Combin., vol.1, pp.35-48, 2015 (Peer-Reviewed Journal)
- XV. **Some Characterizations for the Involute Curves in Dual Space**
ŞENYURT S., BİLİCİ M., ÇALIŞKAN M.
INTERNATIONAL JOURNAL OF MATHEMATICAL COMBINATORICS, vol.1, pp.113-125, 2015 (Peer-Reviewed Journal)
- XVI. **A New Approach to Natural Lift Curves of the Spherical Indicatrices of Timelike Bertrand Mate of a Spacelike Curve in Minkowski 3 Space**
Bilici M., Ergün E., Çalışkan M.
International J. Math. Combin., vol.1, no.9, pp.35-48, 2015 (Peer-Reviewed Journal)
- XVII. **THE NATURAL LIFT CURVE OF THE SPHERICAL INDICATRIX OF A SPACELIKE CURVE IN MINKOWSKI 4-SPACE**
Ergün E., Bilici M., ÇALIŞKAN M.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.39-54, 2015 (ESCI)
- XVIII. **HOW TO FIND THE INVERSE OF A MATRIX IN LORENTZ SPACE**
Bilici M., BAYRAM E.
JOURNAL OF SCIENCE AND ARTS, no.4, pp.315-320, 2015 (ESCI)
- XIX. **The Natural Lift Curves for the Spherical Indicatrices of Spacelike Bertrand Couple in Minkowski 3 Space**
BİLİCİ M., ERGÜN E., ÇALIŞKAN M.
Journal of Mathematical and Computational Science, vol.4, no.1, pp.85-104, 2014 (Peer-Reviewed Journal)
- XX. **The Natural Lift Curve for The Spherical Indicatrix of Spacelike Bertrand Couple in Minkowski 3 Space**
BİLİCİ M., ERGÜN E., ÇALIŞKAN M.
Journal of Mathematical and Computational Science, vol.4, no.7, pp.85-104, 2014 (Peer-Reviewed Journal)
- XXI. **The Natural Lift Curve and Geodesic Sprays in Euclidean 4 Space**

- ERGÜN E., BİLİCİ M., ÇALIŞKAN M.
Journal of Advances in Mathematics, vol.5, no.1, pp.570-574, 2013 (Peer-Reviewed Journal)
- XXII. **The Frenet Vector Fields and The Curvatures of The Natural Lift Curve**
ERGÜN E., BİLİCİ M., ÇALIŞKAN M.
Bulletin of Society for mathematical services & standards (BSOMASS), vol.1, no.2, pp.59-68, 2012 (Peer-Reviewed Journal)
- XXIII. **Some New Notes on the Involutes of the Timelike Curves in Minkowski 3 Space**
Bilici M., Çalışkan M.
International Journal of Contemporary Mathematical Sciences, vol.6, no.41, pp.2019-2030, 2011 (Peer-Reviewed Journal)
- XXIV. **Natural lift curves and the geodesic sprays for the spherical indicatrices of the involutes of a timelike curve in minkowski 3-space**
Bilici M.
International Journal of Physical Sciences, vol.6, no.20, pp.4706-4711, 2011 (Scopus)
- XXV. **On the Involutes of the Spacelike Curve with a Timelike Binormal in Minkowski 3 Space**
BİLİCİ M., ÇALIŞKAN M.
International Mathematical Forum, vol.4, no.31, pp.1497-1509, 2009 (Peer-Reviewed Journal)
- XXVI. **The natural Lift and the Geodesic Sprays for the Spherical Indicatrices of the Pair of Involute Evolute Curves**
Bilici M., Aydemir İ., Çalışkan M.
International Journal of Applied Mathematics, vol.11, no.4, pp.415-420, 2002 (Peer-Reviewed Journal)
- XXVII. **Some Characterizations for the Pair of Involute Evolute Curves in Euclidean Space E^3**
Bilici M., Çalışkan M.
Bulletin of Pure and Applied Sciences, vol.21, no.2, pp.289-294, 2002 (Peer-Reviewed Journal)
- XXVIII. **On the Geodesic Curvatures of the Spherical Indicatrices of the Pair of Involute-Evolute Curves**
Bilici M., Çalışkan M.
Bulletin of Pure and Applied Sciences, vol.20, no.2, pp.367-371, 2001 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Dual uzayda involüt eğrisinin sabit pol eğrisi tarafından üretilen regle yüzeyin invaryantları üzerine**
PALAVAR S., BİLİCİ M.
32. ULUSAL MATEMATİK SEMPOZYUMU, 31 August 2019
- II. **Dual involüt Frenet vektörleri tarafından üretilen regle yüzeylerin integral invaryantları üzerine**
BİLİCİ M.
32. ULUSAL MATEMATİK SEMPOZYUMU, Turkey, 31 August - 03 September 2019
- III. **LİSE ÖĞRENCİLERİNİN GERÇEK YAŞAM UYGULAMALARI İLEBİLİMİN RENKLİ DÜNYASI PROJESİNE YÖNELİK GÖRÜŞLERİ**
TURAL G., YAKIŞAN M., BİLİCİ M., YAKAN H.
1. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 3 - 05 November 2016, pp.1693-1698
- IV. **The Natural Lift Curve of the Spherical Indicatrix of a Spacelike Curve with Null Binormal in Minkowski 3 Space**
ÇALIŞKAN M., ERGÜN E., BİLİCİ M.
5TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS BELGRADE-SERBIA, 16 - 19 August 2016
- V. **A new method for designing involute trajectory timelike ruled surfaces in Minkowski 3 space**
BİLİCİ M.
14th International Geometry Symposium, 25 - 28 May 2016
- VI. **The Natural Lift Curve of The Spherical Indicatrix of a Spacelike Curve in Minkowski 4 Space**
ERGÜN E., BİLİCİ M., ÇALIŞKAN M.

3rd International Eurasian Conference On Mathematical Sciences Applications, 25 - 28 August 2014

VII. Some Characterizations for the Involute Curves in Dual Space

ŞENYURT S., BİLİCİ M., ÇALIŞKAN M.

3 rd International Eurasian Conference On Mathematical Sciencesand Applications, 25 August 2014

VIII. The Natural Lift Curve for The Speherical Indicatrix of Spacelike Bertrand Couple In Minkowski 3 Space

Bilici M., Ergün E., Çalışkan M.

XII. Geometri Sempozyumu, Bilecik Şeyh Edebali Üniversitesi, Kırşehir, Turkey, 23 - 26 June 2014

IX. The Frenet Vector Fields and The Curvatures of The Natural Lift Curve

ERGÜN E., BİLİCİ M., ÇALIŞKAN M.

XI. Geometri Sempozyumu, Ordu Üniversitesi, Turkey, 1 - 05 July 2013

X. TABİİ LİFT EĞRİLERİ VE GEODEZİK SPRAYLAR İÇİN BAZI SONUÇLAR

BİLİCİ M., ÇALIŞKAN M.

IX. GEOMETRİ SEMPOZYUMU, Turkey, 7 - 10 June 2011

XI. MINKOWSKI 3 UZAYINDA ZAMANSI BİNORMALLİ UZAYSİ EĞRİLERİN İNVOLÜTLERİ ÜZERİNE

BİLİCİ M., ÇALIŞKAN M.

VII. GEOMETRİ SEMPOZYUMU, Turkey, 7 - 10 July 2009

XII. On the Involutes of Timelike Curves in IR 3 1

BİLİCİ M., ÇALIŞKAN M.

IV. International Geometry Symposium, 17 - 21 July 2006

XIII. İnvölüt Evolüt Eğrilerinin Küresel Göstergelerinin Eğrilikleri ve Tabii Liftleri

BİLİCİ M., ÇALIŞKAN M.

XII. ULUSAL MATEMATİK SEMPOZYUMU, Turkey, 6 - 10 September 1999

Supported Projects

Bilici M., Project Supported by Higher Education Institutions, DUAL UZAYDA İNVOLÜT EĞRİSİNİN ÇATILARINA GÖRE BAZI ÖZEL REGLE YÜZEYLER, 2019 - 2020

Tural G., Yakışan M., Bilici M., Yakan H., Turhan S., Özcan M., Güzel M., TUBİTAK Project, Gerçek Yaşam Uygulamaları ile Bilimin Renkli Dünyası, 2016 - 2016

Bilici M., Industrial Thesis Project, Samsun 2019 Eğitim Vizyonu Projesi, 2010 - 2013