

Assoc. Prof. Gülnur Şaffak Atalay

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JOK-2595-2023

ScopusID: 56580193300

Yoksis Researcher ID: 106588

Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2009 - 2014

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2006 - 2009

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2002 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, 3 boyutlu minkowski uzayında geliştirilmiş robot uç hareketi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2014

Postgraduate, Ortak null geodezikli yüzeyler ailesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2009

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2017 - Continues

Assistant Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2015 - 2017

Research Assistant, Recep Tayyip Erdogan University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2015

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Matematik Bölümü, 2009 - 2014

Research Assistant, Recep Tayyip Erdogan University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2007 - 2009

Academic and Administrative Experience

Deputy Head of Department, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü,
2023 - Continues

Courses

Matematik Felsefesi, Undergraduate, 2022 - 2023, 2021 - 2022
Analitik Geometri, Undergraduate, 2022 - 2023, 2021 - 2022, 2015 - 2016
Matematik Tarihi, Undergraduate, 2022 - 2023, 2021 - 2022
Lorentz Geometriye Giriş, Postgraduate, 2022 - 2023
Öğretmenlik Uygulaması I, Undergraduate, 2022 - 2023
Kompleks Analiz, Undergraduate, 2021 - 2022
Topluma Hizmet Uygulamaları, Undergraduate, 2021 - 2022
Diferensiyel Geometri II, Undergraduate, 2017 - 2018
Kompleks Fonksiyonlar Teorisine Giriş, Undergraduate, 2017 - 2018
Öğretmenlik Uygulaması (Pedagogik Formasyon), Undergraduate, 2016 - 2017
Analitik Geometri-1, Undergraduate, 2016 - 2017
Analiz IV, Undergraduate, 2016 - 2017
Geometriden Seçme Konular II, Postgraduate, 2016 - 2017
Analiz 3, Undergraduate, 2016 - 2017
Matrisler Teorisi, Undergraduate, 2016 - 2017
Diferensiyel Geometri 1, Undergraduate, 2016 - 2017
Öğretmenlik Uygulaması, Undergraduate, 2016 - 2017, 2015 - 2016
Topolojiye Giriş, Undergraduate, 2016 - 2017
Analitik Geometri II, Undergraduate, 2016 - 2017
Okul Deneyimi, Undergraduate, 2016 - 2017
Matematik II, Undergraduate, 2016 - 2017
Diferensiyel Denklemler, Undergraduate, 2015 - 2016
Öğretmenlik Uygulaması (Pedagogik Formasyon), Undergraduate, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Surface family with a common Mannheim B-pair asymptotic curve**
Ayvaci K. H., Şaffak Atalay G.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.20, no.13, pp.1-13, 2023 (SCI-Expanded)
- II. **Surfaces family with common null asymptotic**
Şaffak Atalay G., Kasap E.
APPLIED MATHEMATICS AND COMPUTATION, vol.260, pp.135-139, 2015 (SCI-Expanded)
- III. **Family of surface with a common null geodesic**
Şaffak G., Kasap E.
International Journal of Physical Sciences, vol.4, no.8, pp.428-433, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Surface family with a common Mannheim B-geodesic curve**
ŞAFFAK ATALAY G., AYVACI H.
BALKAN JOURNAL OF GEOMETRY AND ITS APPLICATIONS, vol.26, no.2, pp.1-12, 2021 (Scopus)
- II. **Surface Family with A Common Bertrand-B Isoasymptotic Curve**

ATALAY G., AYVACI K. H.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.2, pp.262-268, 2021 (Peer-Reviewed Journal)

- III. **AN APPROACH FOR DESIGNING A SURFACE PENCIL THROUGH A GIVEN GEODESIC CURVE**
Şaffak Atalay G., Güler F., BAYRAM E., Kasap E.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.70, no.1, pp.555-568, 2021 (ESCI)
- IV. **Ortak Bertrand-B İsogeodezik Eğriye Sahip Yüzey Aileleri**
AYVACI H., ŞAFFAK ATALAY G.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.1975-1983, 2020 (Peer-Reviewed Journal)
- V. **DEVELOPED MOTION OF ROBOT END-EFFECTOR OF TIMELIKE RULED SURFACES WITH SPACELIKE RULINGS (THE SECOND CASE)**
ŞAFFAK ATALAY G., KASAP E.
JOURNAL OF SCIENCE AND ARTS, 2020 (ESCI)
- VI. **DEVELOPED MOTION OF ROBOT END-EFFECTOR OF TIMELIKE RULED SURFACES WITH SPACELIKE RULINGS (THE FIRST CASE)**
ŞAFFAK ATALAY G., KASAP E.
Hagia Sophia Journal of Geometry, vol.2, no.1, pp.9-21, 2020 (Peer-Reviewed Journal)
- VII. **An approach for designing a surface pencil through a given asymptotic curve**
GÜLER F., ŞAFFAK ATALAY G., BAYRAM E., KASAP E.
Journal of Applied Mathematics and Computation, 2019 (Peer-Reviewed Journal)
- VIII. **DEVELOPED MOTION OF ROBOT END-EFFECTOR OF SPACELIKE RULED SURFACES (THE FIRST CASE)**
Şaffak Atalay G., Kasap E.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.105-120, 2019 (ESCI)
- IX. **Surfaces family with a common Mannheim geodesic curve**
ŞAFFAK ATALAY G.
Journal of Applied Mathematics and Computation (JAMC), vol.2, no.4, pp.155-165, 2018 (Peer-Reviewed Journal)
- X. **Developed Motion of Robot End-Effector of Spacelike Ruled Surfaces (The Second Case)**
ŞAFFAK ATALAY G., KASAP E.
INTERNATIONAL JOURNAL OF DEVELOPMENT RESEARCH, vol.4, no.8, 2018 (Peer-Reviewed Journal)
- XI. **Surfaces family with a common Mannheim asymptotic curve**
ŞAFFAK ATALAY G.
Journal of Applied Mathematics and Computation (JAMC), vol.2, no.4, pp.143-154, 2018 (Peer-Reviewed Journal)
- XII. **SURFACE FAMILY WITH A COMMON ASYMPTOTIC CURVE IN MINKOWSKI 3-SPACE**
Şaffak Atalay G., BAYRAM E., Kasap E.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.357-370, 2018 (ESCI)
- XIII. **SURFACES FAMILY WITH COMMON SMARANDACHE GEODESIC CURVE**
Şaffak Atalay G., Kasap E.
JOURNAL OF SCIENCE AND ARTS, no.4, pp.651-664, 2017 (ESCI)
- XIV. **Surfaces Family with Common Smarandache Geodesic Curve According to Bishop Frame in Euclidean Space**
ŞAFFAK ATALAY G., KASAP E.
Mathematical Sciences and Applications E-Notes, vol.4, no.1, pp.164-174, 2016 (Peer-Reviewed Journal)
- XV. **Surfaces Family With Common Smarandache Asymptotic Curve According To Bishop Frame In Euclidean Space**
Şaffak Atalay G., Kasap E.
BOLETIM SOCIEDADE PARANAENSE DE MATEMATICA, vol.34, no.1, 2016 (ESCI)
- XVI. **Surfaces Family with Common Smarandache Asymptotic Curve According to Bishop Frame**
ŞAFFAK ATALAY G., KASAP E.
Bol. Soc. Paran. Mat, vol.34, pp.187-202, 2016 (Scopus)
- XVII. **Surfaces Family With Common Smarandache Asymptotic Curve**

Şaffak Atalay G., Kasap E.

BOLETIM SOCIEDADE PARANAENSE DE MATEMATICA, vol.34, no.1, pp.9-20, 2016 (ESCI)

XVIII. **Translation Surfaces According to Bishop Frame in Euclidean 3-Space,**

GÜLER F., ŞAFFAK ATALAY G., KASAP E.

J. Math. Comput. Sci., 2014 (Peer-Reviewed Journal)

XIX. **Special Partner Curves Derived From Mannheim Partner Curves**

GÜLER F., ŞAFFAK ATALAY G., KASAP E.

Journal of Selçuk University Natural and Applied Science, vol.3, no.1, pp.1-7, 2014 (Peer-Reviewed Journal)

XX. **Spacelike Constant Angle Surfaces In Minkowski 3 Space**

ŞAFFAK ATALAY G., GÜLER F., KASAP E.

J. Math. Comput.Sci., vol.2, no.3, pp.451-461, 2012 (Peer-Reviewed Journal)

XXI. **Timelike Constant Angle Surfaces In Minkowski 3 Space**

GÜLER F., ŞAFFAK ATALAY G., KASAP E.

Int.J.Contemp. Math. Sciences, vol.6, no.44, pp.2189-2200, 2011 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Surface Family With A Common Bertrand B-Isogeodesic Curve**

AYVACI H., ŞAFFAK ATALAY G.

32.Ulusal Matematik Sempozyumu, Turkey, 31 August - 03 September 2019

II. **Surface Family With A Common Mannheim B-Geodesic Curves**

ŞAFFAK ATALAY G., AYVACI H.

International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018

III. **Surface Family With A Common Mannheim B-Asymptotic Curves**

AYVACI H., ŞAFFAK ATALAY G.

International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018

IV. **Surfaces family with a common Mannheim asymptotic curve**

ŞAFFAK ATALAY G.

International Conference computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017

V. **Surfaces family with a common Mannheim geodesic curve**

ŞAFFAK ATALAY G.

International Conference computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017

VI. **Developed Motion of Robot End-Effector of Spacelike Ruled Surfaces (The Second Case)**

ŞAFFAK ATALAY G.

15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017

VII. **Developed Motion of Robot End-Effector of Spacelike Ruled Surfaces (The First Case)**

ŞAFFAK ATALAY G.

15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017

VIII. **Developed Motion of Robot End Effector of Timelike Ruled Surfaces With Spacelike Rulings The Second Case**

ŞAFFAK ATALAY G.

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

IX. **Developed Motion of Robot End Effector of Timelike Ruled Surfaces With Spacelike Rulings The First Case**

ŞAFFAK ATALAY G.

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

- X. **An approach for designing a surface pencil through a given asymptotic curve**
GÜLER F., ŞAFFAK ATALAY G., BAYRAM E., KASAP E.
Conference on Geometry: Theory and Applications, 8 - 12 June 2015
- XI. **Surfaces With a Common Geodesic Curve According To Bishop Frame**
ŞAFFAK ATALAY G., KASAP E.
XII. Geometri Sempozyumu, Turkey, 23 - 26 June 2014
- XII. **Surfaces with a common asymptotic curve in Minkowski 3 space**
Şaffak Atalay G., Bayram E., Kasap E.
XI. Geometri Sempozyumu, Ordu, Turkey, 1 - 05 July 2013
- XIII. **Developed Motion of Robot End-Effector of Timelike Ruled Surfaces With Timelike Rulings**
ŞAFFAK ATALAY G., KASAP E.
International Conference on Applied Analysis and Mathematical Modelling, 2 - 05 June 2013
- XIV. **Surfaces Family With Common Null Asymptotic Curve**
ŞAFFAK ATALAY G., KASAP E.
X. Geometri Sempozyumu, Balıkesir Üniversitesi, Turkey, 13 - 16 June 2012
- XV. **Special Partner Curves Derived from Mannheim Partner Curve**
GÜLER F., ŞAFFAK ATALAY G., KASAP E.
X. Geometri Sempozyumu, Turkey, 13 - 16 June 2012
- XVI. **Special Partner Curves Derived from Mannheim Partner Curves**
GÜLER F., ŞAFFAK ATALAY G., KASAP E.
X. GEOMETRİ SEMPOZYUMU, Turkey, 13 June 2012
- XVII. **Minkowski Uzayında Sabit Açılı Spacelike Yüzeyler**
ŞAFFAK ATALAY G., GÜLER F., KASAP E.
IX. GEOMETRİ SEMPOZYUMU, Turkey, 07 June 2011
- XVIII. **$R^{3,1}$ Minkowski Uzayında Sabit Açılı Spacelike Yüzeyler**
ŞAFFAK ATALAY G., GÜLER F., KASAP E.
IX. Geometri Sempozyumu, Turkey, 7 - 10 June 2010
- XIX. **Minkowski Uzayında Sabit Açılı Timelike Yüzeyler**
GÜLER F., ŞAFFAK ATALAY G., KASAP E.
5. ANKARA MATEMATİK GÜNLERİ, Turkey, 3 - 06 June 2010
- XX. **$R^{3,1}$ Minkowski Uzayında Sabit Açılı Timelike Yüzeyler**
ŞAFFAK ATALAY G., GÜLER F., KASAP E.
5. Ankara Matematik Günleri, Turkey, 3 - 04 June 2010
- XXI. **Ortak null Geodezikli Yüzeyler Ailesi**
ŞAFFAK ATALAY G., KASAP E.
VI. Ulusal Geometri Sempozyumu, Uludağ Üniversitesi, Turkey, 1 - 04 July 2008

Supported Projects

Bal İncebacak B., Oğuz Ünver A., Canbulat T., Şaffak Atalay G., Gün E., Sarışan Tungaç A., Gürbüz M., Yaman S., TUBITAK Project, Eğitim Fakültesinde Uygulanan Öğretmenlik Uygulamaları Dersine Yeni Bir Bakış: Çevrimiçi Mentorluk (E-Scaffolding) Modeli, 2024 - 2027