

Asst. Prof. Semra YURTTANÇIKMAZ

Personal Information

Office Phone: [+90 442 231 4370](tel:+904422314370) Extension: 4370

Email: semrakaya@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/semrakaya>

International Researcher IDs

ScholarID: Ucj2rsMAAAAJ

ORCID: 0000-0001-6712-3687

Yoksis Researcher ID: 40147

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Geometri, Turkey 2009 - 2016

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Geometri, Turkey 2006 - 2009

Undergraduate, Ataturk University, Fen Fakültesi, Matematik Bölümü, Turkey 2002 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sabit Sırt Uzaklıklı Yüzeyle Üzerine, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Geometri, 2016

Postgraduate, E(3-1) Minkowski Uzayında Yüzeyle, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Geometri, 2009

Research Areas

Mathematics, Differential Geometry, Geometry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ataturk University, Fen Fakültesi, Matematik, 2017 - Continues

Research Assistant, Ataturk University, Fen Fakültesi, Matematik, 2007 - 2017

Academic and Administrative Experience

Deputy Head of Department, Ataturk University, Fen Fakültesi, Matematik, 2023 - Continues

Program Koordinatörü, Ataturk University, Fen Fakültesi, Matematik, 2022 - Continues

Courses

Riemannian Geometri II, Doctorate, 2022 - 2023
 SemiRiemannian Geometry I, Postgraduate, 2022 - 2023, 2021 - 2022
 Hareket Geometrisi, Undergraduate, 2022 - 2023
 Öklid Geometri, Undergraduate, 2022 - 2023
 Analitik Geometri I, Undergraduate, 2022 - 2023
 Genel Matematik I, Undergraduate, 2022 - 2023
 Matematik, Undergraduate, 2022 - 2023
 Analitik Geometri II, Undergraduate, 2021 - 2022, 2019 - 2020
 Analytical Geometry II, Undergraduate, 2021 - 2022, 2019 - 2020
 Motion Geometry, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
 Matematik, Undergraduate, 2021 - 2022
 Analitik Geometri I, Undergraduate, 2021 - 2022, 2019 - 2020
 Diferansiyel Denklemler, Undergraduate, 2021 - 2022
 Matematik II, Undergraduate, 2020 - 2021, 2019 - 2020
 Matematik II, Undergraduate, 2020 - 2021, 2017 - 2018, 2016 - 2017
 Matematik, Undergraduate, 2021 - 2022
 İLERİ DİFERANSİYEL GEOMETRİ I, Postgraduate, 2019 - 2020
 Differential Geometry I, Undergraduate, 2020 - 2021
 Matematik, Undergraduate, 2020 - 2021
 Matematik I, Undergraduate, 2020 - 2021
 İLERİ DİFERANSİYEL GEOMETRİ II, Postgraduate, 2020 - 2021
 Matematik I, Undergraduate, 2020 - 2021
 Matematik I, Undergraduate, 2020 - 2021
 Diferansiyel Geometri, Undergraduate, 2020 - 2021
 Analitik Geometri I, Undergraduate, 2019 - 2020
 Matematik I, Undergraduate, 2019 - 2020
 Bilgisayara Giriş I, Undergraduate, 2017 - 2018
 Bilgisayara Giriş I, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **HOW TO APPROXIMATE COSINE CURVE WITH 4TH AND 6TH ORDER BEZIER CURVE IN PLANE?**
 Kilicoglu S., YURTTANÇIKMAZ S.
 THERMAL SCIENCE, vol.26, 2022 (SCI-Expanded)
- II. **On the geometry of tangent bundle of a hypersurface in R^{n+1}**
 Yurttançıkmaç S.
 TURKISH JOURNAL OF MATHEMATICS, vol.45, pp.2008-2024, 2021 (SCI-Expanded)
- III. **The Relationship between Focal Surfaces and Surfaces at a Constant Distance from the Edge of Regression on a Surface**
 Yurttançıkmaç S., Tarakcı Ö.
 ADVANCES IN MATHEMATICAL PHYSICS, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **ON THE CURVES LYING ON PARALLEL-LIKE SURFACES OF THE RULED SURFACE IN E^3**
 YURTTANÇIKMAZ S.
 COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
 vol.72, no.4, pp.867-879, 2023 (ESCI)

- II. **Image Curves on the Parallel-Like Surfaces in E^3**
YURTTANÇIKMAZ S., TARAKCI Ö.
International Electronic Journal of Geometry, vol.16, no.1, pp.122-131, 2023 (ESCI)
- III. **Musical Isomorphisms on the Semi-Tensor Bundles**
Yurttançıkmaaz S., Yıldırım F.
Konuralp Journal of Mathematics, vol.6, no.1, pp.171-177, 2018 (Peer-Reviewed Journal)
- IV. **On the semi-real quaternionic bertrand curves of AW(k)-type in E^3**
Çakmak A., KIZILTUĞ S., TARAKCI Ö., YURTTANÇIKMAZ S.
Bulletin of the Transilvania University of Brasov, Series III: Mathematics, Informatics, Physics, vol.8, no.57, pp.15-26, 2015 (Scopus)
- V. **NORMAL AND RECTIFYING CURVES IN THE EQUIFORM DIFFERENTIAL GEOMETRY OF G_3**
Kızıltuğ S., Yurttançıkmaaz S., Çakmak A.
Poincare Journal of Analysis and Applications, vol.2, pp.55-61, 2014 (Scopus)
- VI. **Timelike Tubes Around a Spacelike Curve With Darboux Frame of Weingarten Types in $E(3-1)$**
Kızıltuğ S., Çakmak A., Yurttançıkmaaz S.
International Journal of Physical and Mathematical Sciences, vol.4, no.1, pp.9-17, 2013 (Peer-Reviewed Journal)
- VII. **Tube Surfaces with Type-2 Bishop Frame of Weingarten Types in $E(3)$**
Kızıltuğ S., Yurttançıkmaaz S., Tarakcı Ö.
Int. Journal of Math. Analysis, vol.7, pp.9-18, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Osculating direction curves of non-lightlike curves in $E(3-1)$**
YURTTANÇIKMAZ S.
5th INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Van, Turkey, 8 - 10 July 2021
- II. **The Darboux Frame of Curves Lying On The Parallel-Like Surfaces in E^3**
YURTTANÇIKMAZ S.
18TH INTERNATIONAL GEOMETRY SYMPOSIUM, Malatya, Turkey, 12 July 2021
- III. **On the Curvatures of Tangent Bundle of a Hypersurface in E^{n+1}**
YURTTANÇIKMAZ S.
17th International Geometry Symposium, 19 - 22 June 2019
- IV. **On Directional Curves in 3-Dimensional Minkowski Space**
YURTTANÇIKMAZ S., ÇAKMAK A., Mumcu G.
17th International Geometry Symposium, 19 - 22 June 2019
- V. **Osculating Directional Curves of Non-Lightlike Curves in Minkowski 3-Space**
ÇAKMAK A., KIZILTUĞ S., YURTTANÇIKMAZ S.
International Conference on Stem and Educational Sciences, 3 - 05 May 2018
- VI. **On the Curvatures Properties of Tangent Bundle of Hypersurfaces in a Euclidean Space**
YURTTANÇIKMAZ S., TARAKCI Ö., GEZER A.
16th International Geometry Symposium, 4 - 07 July 2018, pp.281
- VII. **Parallel-Like Surfaces**
TARAKCI Ö., YURTTANÇIKMAZ S., ÇAKMAK A.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- VIII. **Normal and Rectifying Curves in the Equiform Geometry of the Galilean 3-Space**
KIZILTUĞ S., YURTTANÇIKMAZ S., ÇAKMAK A.
12. Ulusal Geometri Sempozyumu-Bilecik Şeyh Edebali Üniversitesi, Turkey, 23 - 26 June 2014
- IX. **Some Special Parallel Like Surfaces**
ÇAKMAK A., KIZILTUĞ S., YURTTANÇIKMAZ S., TARAKCI Ö.
3. INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Viyana, Austria,

25 - 28 January 2014

Supported Projects

YILDIRIM F., KARAMAN Ç., SARAÇ Y., BAKIRTAŞ Ş., AKTAY M., ŞENER KILIÇ S. Ş., GÖKKAYA E. S., TAŞ S., YURTTANÇIKMAZ S., CENGİZ N., et al., Project Supported by Higher Education Institutions, Teorik ve Uygulamalı Matematik Bilimleri Sempozyumu, 2021 - 2022

Metrics

Publication: 22

Citation (WoS): 6

Citation (Scopus): 9

H-Index (WoS): 3

H-Index (Scopus): 2

Congress and Symposium Activities

iscdfams2022, Session Moderator, Erzurum, Turkey, 2022

1st International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences, Working Group, Erzurum, Turkey, 2022

1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-2021), Session Moderator, Erzurum, Turkey, 2021

18th International Geometry Symposium in Honour of Prof.Dr. Sadık KELEŞ, Attendee, Malatya, Turkey, 2021

THE FIFTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES 2021)), Attendee, Van, Turkey, 2021

17th International Geometry Symposium, Attendee, Erzincan, Turkey, 2019

17th International Geometry Symposium, Attendee, Erzincan, Turkey, 2019

16th International Geometry Symposium, Attendee, Manisa, Turkey, 2018

International Conference on Stem and Educational Sciences, Attendee, İstanbul, Turkey, 2018

15. Uluslararası Geometri Sempozyumu, Attendee, Amasya, Turkey, 2017

3RD INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Attendee, Wien, Austria, 2014

XII. Geometri Sempozyumu, Attendee, Bilecik, Turkey, 2014

IX. Geometri Sempozyumu, Attendee, Samsun, Turkey, 2011

VIII. Geometri Sempozyumu, Attendee, Antalya, Turkey, 2010

VII. Geometri Sempozyumu, Audience, Kırşehir, Turkey, 2009

VI. Geometri Sempozyumu, Audience, Bursa, Turkey, 2008