

Prof. YILMAZ TUNÇER

Personal Information

Email: yilmaz.tuncer@usak.edu.tr

Web: <https://avesis.usak.edu.tr/yilmaz.tuncer>

International Researcher IDs

ORCID: 0000-0002-2398-866X

Yoksis Researcher ID: 37484

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2001 - 2007

Postgraduate, Afyon Kocatepe University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1997 - 2000

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

Dissertations

Doctorate, L3 de altmanifoldların diferensiyel geometrisi ve kinematığı üzerine, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2007

Postgraduate, Inclined curves on lorentzian manifolds, Afyon Kocatepe University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2000

Academic Titles / Tasks

Professor, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2022 - Continues

Associate Professor, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - Continues

Assistant Professor, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2008 - 2015

Lecturer, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2002 - 2008

Lecturer, Afyon Kocatepe University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2001 - 2002

Research Assistant, Afyon Kocatepe University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1997 - 2001

Academic and Administrative Experience

Usak University, 2008 - 2011

Courses

Postgraduate

YÜKSEK BOYUTLU UZAYLARDA DÖNÜŞÜMLER VE GEOMETRİ-II, Postgraduate, 2015 - 2016, 2014 - 2015

ÇOK LİNEER CEBİR-I, Postgraduate, 2015 - 2016, 2014 - 2015

YÜKSEK BOYUTLU UZAYLARDA DÖNÜŞÜMLER VE GEOMETRİ-I, Postgraduate, 2015 - 2016, 2014 - 2015

ÇOK LİNEER CEBİR-II, Postgraduate, 2015 - 2016, 2014 - 2015

Undergraduate

LİNEER CEBİR-I, Undergraduate, 2015 - 2016, 2014 - 2015
ANALİTİK GEOMETRİ-I, Undergraduate, 2015 - 2016, 2014 - 2015
LİNEER CEBİR-II, Undergraduate, 2015 - 2016, 2014 - 2015
ANALİTİK GEOMETRİ-II, Undergraduate, 2015 - 2016, 2014 - 2015
İŞLETME MATEMATİĞİ-I, Undergraduate, 2015 - 2016
FRAKTAL GEOMETRİ-I, Undergraduate, 2014 - 2015
ÖKLİD DIŞI GEOMETRİLER-II, Undergraduate, 2014 - 2015
FRAKTAL GEOMETRİ-II, Undergraduate, 2014 - 2015
ÖKLİD DIŞI GEOMETRİLER-I, Undergraduate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Two measures elaborated for entangled states: Quantum entropy and fidelity using Schmidt coefficients of the reduced density matrix of full TRI**
Dermez R., TUNÇER Y.
Revista Mexicana de Fisica, vol.68, no.5, 2022 (SCI-Expanded)
- II. **A Different View on Dynamics of Space Curves Geometry**
TUNÇER Y.
Journal of Nonlinear Mathematical Physics, vol.29, no.1, pp.73-94, 2022 (SCI-Expanded)
- III. **Translation surfaces in affine 3-space**
Lone M. S., KARACAN M. K., TUNÇER Y., ES H.
Haceteppe Journal of Mathematics and Statistics, vol.49, no.6, pp.1944-1954, 2020 (SCI-Expanded)
- IV. **Naturel mates of equiaffine space curves in affine 3-space**
TUNÇER Y., Kocayigit H., KARACAN M. K.
Thermal Science, vol.23, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **On the Gauss Map of Tubular Surfaces in Pseudo Galilean 3-Space**
TUNÇER Y., KARACAN M. K., Yoon D. W.
Kyungpook Mathematical Journal, vol.62, no.3, pp.497-507, 2022 (ESCI)
- II. **CONVULATION OF LN-TRANSLATION SURFACES IN EUCLIDEAN 3-SPACE**
YÜKSEL N., KARACAN M. K., TUNÇER Y.
Acta Universitatis Apulensis, vol.2021, no.68, pp.13-23, 2021 (Peer-Reviewed Journal)
- III. **In the context of time-independent parameters in two quantum systems: Quantum entanglement and correlations with negativity measurement**
DERMEZ R., TUNÇER Y.
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi b- Teorik Bilimler, vol.8, no.2, pp.316-327, 2020 (Peer-Reviewed Journal)
- IV. **Canal surfaces in pseudo-galilean 3-spaces**
TUNÇER Y., KARACAN M. K.
Kyungpook Mathematical Journal, vol.60, no.2, pp.361-373, 2020 (ESCI)
- V. **Spherical Indicatrices of Involute of a Space Curve in Euclidean 3-Space**
TUNÇER Y., ÜNAL KARAÇAM S., KARACAN M. K.
TAMKANG JOURNAL OF MATHEMATICS, vol.51, no.2, pp.113-121, 2020 (ESCI)
- VI. **LCN-translation surfaces in affine 3-space**
KARACAN M. K., YÜKSEL N., TUNÇER Y.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,

- vol.69, no.1, pp.461-472, 2020 (ESCI)
- VII. **Classifications of conformal rotational surfaces in euclidean 3-space***
KARACAN M. K., TUNÇER Y., YÜKSEL N.
Applied Mathematics E - Notes, vol.20, pp.535-544, 2020 (ESCI)
- VIII. **Indicatrices of curves in affine 3-space**
TUNÇER Y., Kocayiğit H., KARACAN M. K., Ahsan Z.
Palestine Journal of Mathematics, vol.9, no.2, pp.858-865, 2020 (Scopus)
- IX. **Düzlem Eğrilerinin Kendi Frenet Vektörlerine Göre Kongrüent Eğrileri**
DAĞAŞAN H., TUNÇER Y.
Uşak Üniversitesi Fen ve Doğa Bilimleri Dergisi, vol.3, no.2, pp.65-79, 2019 (Peer-Reviewed Journal)
- X. **Characterization of Curves Whose Tangents Intersect a Straight Line in Euclidean 3-Space**
ÇÜMEN H., TUNÇER Y.
Uşak Üniversitesi Fen ve Doğa Bilimleri Dergisi, vol.3, no.2, pp.80-83, 2019 (Peer-Reviewed Journal)
- XI. **Position Vectors of the Curves in Affine 3-Space According to Special Affine Frames**
TUNÇER Y.
International Journal of Mathematical Combinatorics, vol.2019, no.2, pp.43-59, 2019 (Peer-Reviewed Journal)
- XII. **Darboux Vector and Stress Analysis of Centro-Affine Frame**
TUNÇER Y.
Turkish Journal of Mathematics and Computer Science, vol.10, pp.12-17, 2018 (Peer-Reviewed Journal)
- XIII. **Darboux Vector and Stress Analysis of Equi-Affine Frame**
TUNÇER Y.
Turkish Journal of Mathematics and Computer Science, vol.10, pp.7-11, 2018 (Peer-Reviewed Journal)
- XIV. **Darboux Vector and Stress Analysis of Winternitz Frame**
TUNÇER Y., KOCAYIĞIT H.
New Trends in Mathematical Sciences, vol.6, no.4, pp.176-181, 2018 (Peer-Reviewed Journal)
- XV. **Non-null weakened mannheim curves in Minkowski 3-space**
TUNÇER Y., KARACAN M. K., Yoon D. W.
Analele Stiintifice ale Universitatii Al I Cuza din Iasi - Matematica, vol.63, no.F2, pp.403-412, 2017 (Scopus)
- XVI. **Weakened Mannheim curves in pseudo-Galilean 3-space**
KARACAN M. K., TUNÇER Y.
Thai Journal of Mathematics, vol.15, no.1, pp.141-151, 2017 (Scopus)
- XVII. **Canal surfaces in Galilean 3-spaces**
TUNÇER Y.
Kyungpook Mathematical Journal, vol.57, no.2, pp.319-326, 2017 (Scopus)
- XVIII. **Weingarten and Linear Weingarten Canal Surfaces in Euclidean 3 Space**
TUNÇER Y., Yoon D. W.
General Mathematical Notes, vol.36, no.1, pp.48-64, 2016 (Peer-Reviewed Journal)
- XIX. **Darboux rotation axis of a null curve in Minkowski 3-space**
NURKAN S., KARACAN M. K., TUNÇER Y.
J. Math. Comput. Sci., vol.6, no.5, pp.706-711, 2016 (Peer-Reviewed Journal)
- XX. **Homothetic Bishop Motion of Euclidean Submanifolds in Euclidean 3 Space**
TUNÇER Y., KARACAN M. K., Yoon D. W.
Palestine Journal of Mathematics, vol.2016, no.5(2), pp.183-194, 2016 (Peer-Reviewed Journal)
- XXI. **On Curves Of Constant Breadth In a 3 Dimensional Lie Group**
Yoon D. W., TUNÇER Y., KARACAN M. K.
ACTA MATHEMATICA UNIVERSITATIS COMENIANAE, vol.85, no.1, pp.81-86, 2016 (Scopus)
- XXII. **On curves of constant breadth in a 3-dimensional lie group**
Yoon D., TUNÇER Y., KARACAN M. H.
Acta Mathematica Universitatis Comenianae, vol.85, no.1, pp.81-86, 2016 (Scopus)
- XXIII. **Bäcklund transformations according to Bishop frame in E³**
KARACAN M. K., TUNÇER Y.

- Acta et Commentationes Universitatis Tartuensis de Mathematica, vol.19, no.2, pp.75-85, 2015 (Scopus)
- XXIV. **Backlund transformations According to Bishop Frame in Minkowski 3 Space**
KARACAN M. K., TUNÇER Y.
Acta et Commentationes Universitatis Tartuensis de Mathematica, 2015 (Peer-Reviewed Journal)
- XXV. **Parallel Surfaces to Translation Surfaces in Euclidean 3 Space**
Çetin M., TUNÇER Y.
Commun.Fac.Sci.Univ.Ank.Series A1, vol.64, no.2, pp.47-54, 2015 (Peer-Reviewed Journal)
- XXVI. **Ruled Surfaces With The Bishop Frame In Euclidean 3 Space**
TUNÇER Y.
General Math. Notes, vol.26, no.1, pp.74-83, 2015 (Peer-Reviewed Journal)
- XXVII. **On Ruled Surfaces in Minkowski 3 Space**
TUNÇER Y., EKMEKÇİ F. N., NURKAN S., TUNÇER S.
International Journal of Mathematical Combinatorics, vol.2, pp.1-19, 2014 (Peer-Reviewed Journal)
- XXVIII. **Tubular surfaces of Weingarten types in Minkowski 3 space**
KARACAN M. K., Won Yoon D., TUNÇER Y.
General Math. Notes, vol.1, no.22, pp.44-56, 2014 (Peer-Reviewed Journal)
- XXIX. **Ruled Surfaces In Minkowski 3 Space**
TUNÇER Y., EKMEKÇİ F. N., NURKAN S., Seher T.
International J. Mathematical Combinatorics, vol.2, no.2014, pp.1-19, 2014 (Peer-Reviewed Journal)
- XXX. **Tubular surface of Weingarten Types in Minkowski 3 Space**
KARACAN M. K., YOON D. W., TUNÇER Y.
General Mathematics Notes, vol.22, no.1, pp.44-56, 2014 (Peer-Reviewed Journal)
- XXXI. **Smarandache Curves According to Bishop Frame in Euclidean 3 Space**
Çetin M., KARACAN M. K., TUNÇER Y., ARIK F., ÇAKIR M., SAĞIR A.
General Mathematics Notes, vol.20, no.2, pp.50-56, 2014 (Peer-Reviewed Journal)
- XXXII. **Tubular Surfaces of Weingarten Types in Galilean and Pseudo Galilean 3 Spaces**
KARACAN M. K., TUNÇER Y.
Bulletin of Mathematical Analysis and Applications, vol.5, no.2, pp.87-100, 2013 (Peer-Reviewed Journal)
- XXXIII. **Generalized Mannheim Quaternionic Curves in Euclidean 4 Space**
Dae Won Y., TUNÇER Y., KARACAN M. K., TEKİN Ü. E., TAMKAŞ M., KESİCİ S., ATASEVEN DOĞRU B., ÇETİNER E. M.
Applied Mathematical Sciences, vol.7, no.132, pp.6583-6592, 2013 (Peer-Reviewed Journal)
- XXXIV. **Tubular surfaces of Weingarten types in Galilean and pseudo Galilean space**
KARACAN M. K., TUNÇER Y., ALTUNIŞIK E., ÇELİK T., ÇELİK T., ÇELİK T.
Bulletin of Mathematical Analysis and Applications, vol.5, no.2, pp.87-100, 2013 (Peer-Reviewed Journal)
- XXXV. **Bäcklund Transformations According to Bishop Frame in Euclidean 3 Space**
KARACAN M. K., TUNÇER Y.
Šiauliai Mathematical Seminar, vol.7, no.15, pp.41-49, 2012 (Peer-Reviewed Journal)
- XXXVI. **Weakened Mannheim Curves in Galilean 3 Space**
KARACAN M. K., TUNÇER Y., ALPER B.
International Electronic Journal of Geometry, vol.5, no.2, pp.10-18, 2012 (Peer-Reviewed Journal)
- XXXVII. **Tubular Surfaces with Bishop Frame of Weingarten Types in Euclidean 3 Space**
YÜKSEL N., TUNÇER Y., KARACAN M. K.
Acta Universitatis Apulensis Seria Mathematics-Informatics, vol.27, pp.39-50, 2011 (Peer-Reviewed Journal)
- XXXVIII. **Serret Frenet Motion in Minkowski 3 Space**
Çetin M., KARACAN M. K., TUNÇER Y., Alibakan G.
International Journal of Physical and Mathematical Sciences, vol.2, no.1, pp.33-38, 2011 (Peer-Reviewed Journal)
- XXXIX. **Translation Surfaces In Euclidean 3 space**
Çetin M., TUNÇER Y., EKMEKÇİ F. N.
International Journal of Physical and Mathematical Sciences, vol.2, no.1, pp.49-56, 2011 (Peer-Reviewed Journal)
- XL. **Darboux Rotation Axis Of The Curve In Galilean And Pseudo Galilean Spaces**
KARACAN M. K., TUNÇER Y., DORUK M.

Journal of Vectorial Relativity, vol.6, no.1, pp.107-116, 2011 (Peer-Reviewed Journal)

- XL. **On Kinematics Of Surfaces In Euclidean 3 space**
TUNÇER Y., YAYLI Y.
International Journal of Physical and Mathematical Sciences, vol.2, no.1, pp.33-38, 2011 (Peer-Reviewed Journal)
- XLII. **Tabular Surfaces With Bishop Frame Of Weingarten Types In Euclidean 3 Space**
YÜKSEL N., TUNÇER Y., KARACAN M. K., ÖZTÜRK H. İ.
Acta Universitatis Apulensis, vol.27, pp.39-50, 2011 (Peer-Reviewed Journal)
- XLIII. **Bishop Motion in Minkowski 3 Space**
KARACAN M. K., Çetin M., TUNÇER Y., ERŞAN M.
International Journal of Physical and Mathematical Sciences, vol.2, no.1, pp.25-32, 2011 (Peer-Reviewed Journal)
- XLIV. **Tubular W Surfaces in 3 Space**
KARACAN M. K., TUNÇER Y.
Journal of Scientia Manga, vol.6, no.3, pp.55-62, 2010 (Peer-Reviewed Journal)
- XLV. **A Study on Ruled Surface in Euclidean 3 Space**
TUNÇER Y., EKMEKÇİ F. N.
Journal Of Dynamical Systems And Geometric Theories, vol.8, no.1, pp.49-57, 2010 (Peer-Reviewed Journal)
- XLVI. **Characterization Of Slant Helix In Galilean and Pseudo Galilean Spaces SAÜ Fen Edebiyat Dergisi**
KARACAN M. K., TUNÇER Y., BAL İNCEBACAK B., BÜYÜKGÖZE KAVAS A., TABAK A., ATAR YILMAZ A., BULUT Y., SİVRİKAYA ŞERİFOĞLU F., EROĞLU D., TÜRKÖZ T., et al.
SAÜ Fen Edebiyat Dergisi, vol.12, no.1, pp.43-53, 2010 (Peer-Reviewed Journal)
- XLVII. **Characterization of Slant Helix in Galilean and Pseudo Galilean Spaces**
KARACAN M. K., TUNÇER Y.
Sakarya Üniversitesi Fen Edebiyat Dergisi, vol.12, no.1, pp.43-53, 2010 (Peer-Reviewed Journal)
- XLVIII. **On Kinematics Of Semi Euclidean Submanifolds On The Plane In E3**
TUNÇER Y., SAĞEL M. K., YAYLI Y., TARAKCI D., ÇAÇAN M. A.
NOVI SAD JOURNAL OF MATHEMATICS, vol.38, no.1, pp.11-23, 2008 (Peer-Reviewed Journal)
- XLIX. **Kinematics of Semi Euclidean Submanifolds Upon Another In E3**
TUNÇER Y., YAYLI Y.
, International Conference on Dynamical Systems 2007, pp.187-201, 2007 (Peer-Reviewed Journal)
- L. **Homothetic Motion of Submanifolds on the Plane in E3**
TUNÇER Y., SAĞEL M. K., YAYLI Y.
JOURNAL OF DYNAMICAL SYSTEMS AND GEOMETRIC THEORIES, vol.5, no.2007, pp.57-64, 2007 (Peer-Reviewed Journal)
- LI. **On Differential Geometry Of The Lorentz Surfaces**
EKMEKÇİ F. N., TUNÇER Y., YILDIRIM ESEN S., SIRT ÇIPLAK E., GÜRSEL DİNO İ.
Dumlupınar Üniversitesi Fen Bilimleri Dergisi, no.13, pp.20-24, 2007 (Peer-Reviewed Journal)
- LII. **On The Motion Of The Frenet Vectors and Timelike Ruled Surfaces In The Minkowski 3 Space**
TUNÇER Y., YAYLI Y.
Trends In Applied Sciences Research, vol.2, no.4, pp.341-347, 2007 (Peer-Reviewed Journal)
- LIII. **Gauss And Codazzi Mainardi Formulae**
EKMEKÇİ F. N., TUNÇER Y., ÖZEN T., YENİGÜN S., BAŞAR Y., YENİGÜN S., BEHÇET L., İPEK Y.
Dumlupınar Üniversitesi Fen Bilimleri Dergisi, no.13, pp.25-30, 2007 (Peer-Reviewed Journal)
- LIV. **Homothetic Motion Of The Sphere On The Plane**
SAĞEL M. K., TUNÇER Y., YAYLI Y.
Trends In Applied Sciences Research, vol.2, no.5, pp.412-418, 2007 (Peer-Reviewed Journal)
- LV. **On Kinematics of The Hyperbolic Sphere**
SAĞEL M. K., TUNÇER Y., YAYLI Y., GÖKÇEK Y.
Trends In Applied Sciences Research, vol.2, no.5, pp.445-450, 2007 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Right Conoid in Euclidean 3-Space**
KARACAN M. K., YÜKSEL N., TUNÇER Y., SALTİK B.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- II. **Indicatrices of The Curves In Affine 3-Space**
TUNÇER Y., KOCAYİĞİT H., KARACAN M. K.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- III. **Special Curves In Euclidean 3-Space**
TUNÇER Y., KOCAYİĞİT H., KARACAN M. K., Çümen H.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- IV. **Special Class of Curves In Affine 3-Space**
TUNÇER Y.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- V. **Darboux Vector And Stress Analysis Of Equi-Affine Frame**
TUNÇER Y.
International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 29 June 2018
- VI. **Darboux Vector And Stress Analysis Of Centro-Affine Frame**
TUNÇER Y.
International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 29 June 2018
- VII. **Special Curves İn Euclidean 3-Space According To Bishop Frame**
KOCAYİĞİT H., TUNÇER Y.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 20 - 24 June 2018
- VIII. **Darboux Vector And Stress Analysis Of Winternitz Frame**
TUNÇER Y., KOCAYİĞİT H.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 20 - 24 June 2018
- IX. **On The Gauss Map Of Tubular Surfaces in Pseudo-Galilean 3-Space**
TUNÇER Y., Yoon D. W.
International Conference on Mathematics and Mathematics Education, (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017
- X. **Characterization of Helices According to Bishop Frame in Euclidean 3-Space**
TUNÇER Y.
International Conference on Mathematics and Mathematics Education, (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017
- XI. **Spherical indicatrices of involute of a space curve in Euclidean 3 space**
TUNÇER Y., ÜNAL S.
ICFAS 2016, İstanbul, Turkey, 22 - 26 August 2016
- XII. **On Characterizations of New Curves in 3 space**
NURKAN S., KARACAN M. K., arslan güven i., TUNÇER Y.
XII. Geometri Sempozyumu, Bilecik, Turkey, 23 - 26 June 2014
- XIII. **Darboux Rotation Axis of a Null Curve in Minkowski 3-space**
KARACAN M. K., TUNÇER Y., NURKAN S.
X. Geometri Sempozyumu, Balıkesir, Balıkesir, Turkey, 13 - 16 June 2012
- XIV. **X Geometri Sempozyumu**
KARACAN M. K., TUNÇER Y., NURKAN S.
X. Geometri Sempozyumu, Bursa, Turkey, 13 - 16 June 2012
- XV. **Kinematics of Semi Euclidean Submanifolds Upon Another In E 1 3**
TUNÇER Y., YAYLI Y.
International Conference on Dynamical Systems 2007, 26 - 30 June 2007

Metrics

Publication: 74

Citation (Scopus): 15

H-Index (Scopus): 2

Non Academic Experience

MİLLİ EĞİTİM BAKANLIĞI, MATEMATİK ÖĞRETMENİ

FEBA Mühendislik-BURSA, Elektrik Teknisyeni

ELAR Elektronik Makina Sanayi-BURSA, Stajyer

Durmazlar Makina Sanayi-BURSA, Stajyer