

## Assoc. Prof. MURAT ALTUNBAŞ

### Personal Information

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**Address:** Erzincan Üniversitesi Fen-Edebiyat Fakültesi Matematik Bölümü, Yalnızbağ Yerleşkesi- ERZİNCAN

### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Matematik- Geometri, Turkey 2011 - 2014

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik-Geometri, Turkey 2008 - 2011

Undergraduate, Ankara University, Fen Fakültesi, Matematik, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Keyfi tipli tensör demetlerin geometrisi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik-Geometri, 2014

Postgraduate, Sabit eğrilik oranlı eğriler ve karakterizasyonları, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik-Geometri, 2011

### Research Areas

Mathematics, Differential Geometry, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2017 - Continues

Assistant Professor, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2017

Research Assistant, Erzincan Binali Yildirim University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2011 - 2015

### Supervised Theses

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Harmonic  $(p,q)$ -curves in trans-Sasakian and normal almost paracontact metric manifolds**  
Altunbaş M.  
Journal of Mathematics, vol.2025, no.2025, pp.1-5, 2025 (SCI-Expanded)
- II. **Conformal Yamabe Solitons on Tangent Bundles with Complete Lifts of Some Special Connections**  
Altunbaş M.  
Comptes rendus de l'Académie bulgare des Sciences, vol.76, no.8, pp.1176-1186, 2023 (SCI-Expanded)
- III. **Geodesics and isocline distributions in tangent bundles of nonflat Lorentzian-Heisenberg spaces**  
ALTUNBAŞ M.  
Turkish Journal of Mathematics, vol.47, no.1, pp.234-247, 2023 (SCI-Expanded)
- IV. **Killing Magnetic Curves in Non-Flat Lorentzian-Heisenberg Spaces**  
ALTUNBAŞ M.  
Filomat, vol.36, no.8, pp.2645-2655, 2022 (SCI-Expanded)
- V. **Some harmonic problems on the tangent bundle with a berger-type deformed sasaki metric**  
ALTUNBAŞ M., Simsek R., GEZER A.  
UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol.82, no.2, pp.37-42, 2020 (SCI-Expanded)
- VI. **Remarks about the Kaluza-Klein metric on tangent bundle**  
ALTUNBAŞ M., BİLEN L., GEZER A.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.16, no.3, 2019 (SCI-Expanded)
- VII. **A Study Concerning Berger Type Deformed Sasaki Metric on the Tangent Bundle**  
ALTUNBAŞ M., Simsek R., GEZER A.  
JOURNAL OF MATHEMATICAL PHYSICS ANALYSIS GEOMETRY, vol.15, no.4, pp.435-447, 2019 (SCI-Expanded)
- VIII. **On Affine Connections Induced on the  $(1,1)$ -Tensor Bundle**  
ALTUNBAŞ M., GEZER A.  
CHINESE ANNALS OF MATHEMATICS SERIES B, vol.39, no.4, pp.683-694, 2018 (SCI-Expanded)
- IX. **On the rescaled Riemannian metric of Cheeger-Gromoll type on the cotangent bundle**  
GEZER A., ALTUNBAŞ M.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.45, no.2, pp.355-365, 2016 (SCI-Expanded)
- X. **On the  $(1,1)$ -tensor bundle with Cheeger-Gromoll type metric**  
GEZER A., Altunbas M.  
PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.125, no.4, pp.569-576, 2015 (SCI-Expanded)
- XI. **ON THE GEOMETRY OF THE RESCALED RIEMANNIAN METRIC ON TENSOR BUNDLES OF ARBITRARY TYPE**  
Gezer A., ALTUNBAŞ M.  
KODAI MATHEMATICAL JOURNAL, vol.38, no.1, pp.37-64, 2015 (SCI-Expanded)
- XII. **Some results on a cross-section in the tensor bundle**  
Gezer A., ALTUNBAŞ M.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.43, no.3, pp.391-397, 2014 (SCI-Expanded)
- XIII. **NOTES ON THE RESCALED SASAKI TYPE METRIC ON THE COTANGENT BUNDLE**  
Gezer A., ALTUNBAŞ M.  
ACTA MATHEMATICA SCIENTIA, vol.34, no.1, pp.162-174, 2014 (SCI-Expanded)
- XIV. **Some notes concerning Riemannian metrics of Cheeger Gromoll type**  
Gezer A., ALTUNBAŞ M.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.396, no.1, pp.119-132, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Unit tangent sphere bundles with the Kaluza-Klein metric satisfying some commutative conditions**  
Altunbaş M.  
International Journal of Maps in Mathematics, vol.8, no.1, pp.326-333, 2025 (Scopus)
- II. **Ricci solitons on concircularly flat and Wi–flat Sasakian manifolds admitting a general connection**  
Altunbaş M.  
Malaya Journal of Matematik, vol.13, no.1, pp.8-14, 2025 (Peer-Reviewed Journal)
- III. **Liftings of  $f(ab)(3,2,1)$  structures to tangent bundles**  
Altunbaş M.  
JP Journal of Geometry and Topology , vol.31, no.1, pp.1-10, 2025 (Scopus)
- IV. **On harmonic maps on cotangent bundles**  
Altunbaş M.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.40, no.1, pp.1-10, 2025 (ESCI)
- V. **RICCI-YAMABE SOLITONS ON THE LIE GROUP  $H_2 \times \mathbb{R}$**   
ALTUNBAŞ M.  
International Journal of Maps in Mathematics, vol.7, no.2, pp.217-223, 2024 (Scopus)
- VI. **Reeb Flow Invariant Unit Tangent Sphere Bundles with the Kaluza-Klein Metric**  
Altunbaş M.  
Konuralp Journal of Mathematics, vol.12, no.2, pp.120-123, 2024 (Scopus)
- VII. **Yamabe and gradient Yamabe solitons on three-dimensional generalized symmetric spaces**  
Altunbaş M.  
Journal of Advanced Mathematical Studies, vol.17, no.3, pp.285-290, 2024 (Peer-Reviewed Journal)
- VIII. **Some characterizations of hyperbolic Ricci solitons on nearly cosymplectic manifolds with respect to the Tanaka-Webster connection**  
Altunbaş M.  
İstanbul Journal of Mathematics, vol.2, no.1, pp.28-32, 2024 (Peer-Reviewed Journal)
- IX. **Generalized  $\eta$ -Ricci solitons on  $f$ -Kenmotsu manifolds admitting a quarter symmetric metric connection**  
Altunbaş M.  
Journal of Finsler Geometry and its Applications, vol.5, no.1, pp.80-87, 2024 (Peer-Reviewed Journal)
- X. **Notes on meta-golden Riemannian structures**  
Altunbaş M.  
Advanced Studies: Euro-Tbilisi Mathematical Journal, vol.16, no.4 (supp), pp.43-54, 2023 (ESCI)
- XI. **Ricci Solitons of Three-Dimensional Lorentzian Bianchi-Cartan-Vranceanu Spaces**  
Altunbaş M.  
Turkish Journal of Mathematics and Computer Science, vol.15, no.2, pp.1-7, 2023 (Peer-Reviewed Journal)
- XII. **Statistical structures and Killing vector fields on tangent bundles with respect to two different metrics**  
Altunbaş M.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.72, no.3, pp.825, 2023 (ESCI)
- XIII. **Ricci solitons on tangent bundles with the complete lift of a projective semi-symmetric connection**  
Altunbaş M.  
Gulf Journal of Mathematics, vol.14, no.2, pp.8-15, 2023 (Scopus)
- XIV. **A Short Note on a Mus-Cheeger-Gromoll Type Metric**  
Altunbaş M.  
Journal of New Theory, vol.42, pp.1-7, 2023 (Peer-Reviewed Journal)
- XV. **Metallic Riemannian Structures on the Tangent Bundles of Riemannian Manifolds with  $g$ -Natural Metrics**  
Altunbaş M.

- International Electronic Journal of Geometry, vol.16, no.1, pp.95-103, 2023 (Scopus)
- XVI. **Generalized Kantowski-Sachs type spacetime metrics and their harmonicity**  
Altunbaş M.  
Journal of Geometry, vol.113, no.3, 2022 (ESCI)
- XVII. **A NOTE ON  $f$ -BIHARMONIC CURVES IN LORENTZIAN HEISENBERG AND LORENTZIAN Sol3 SPACES**  
ALTUNBAŞ M.  
Journal of the Indian Mathematical Society, vol.89, no.3-4, pp.215-225, 2022 (Scopus)
- XVIII. **SOME SPECIAL CURVES IN THE UNIT TANGENT BUNDLES OF SURFACES**  
Altunbaş M.  
JOURNAL OF SCIENCE AND ARTS, vol.22, pp.257-264, 2022 (ESCI)
- XIX. **Metallic structures on tangent bundles of Lorentzian para-Sasakian manifolds**  
Altunbaş M., Şengül Ç.  
JOURNAL OF MAHANI MATHEMATICAL RESEARCH, vol.12, no.1, pp.137-149, 2022 (Peer-Reviewed Journal)
- XX. **T-FLATNESS AND BOCHNER FLATNESS OF THE TANGENT BUNDLES OF LIE GROUPS**  
ALTUNBAŞ M.  
Proceedings of the Institute of Mathematics and Mechanics, vol.48, no.2, pp.206-213, 2022 (Scopus)
- XXI. **N-Legendre and N-slant curves in the unit tangent bundles of Minkowski surfaces with natural diagonal structures**  
Altunbaş M.  
JOURNAL OF MATHEMATICAL EXTENSION, vol.16, pp.1-17, 2022 (ESCI)
- XXII. **Horizontal lift metric on the tangent bundle of a Weyl manifold**  
ALTUNBAŞ M.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, 2021 (ESCI)
- XXIII. **The Metrics  $G = agS + bgH + cgV$  on the Tangent Bundle of a Weyl Manifold**  
ALTUNBAŞ M.  
Mathematica Pannonica, 2021 (Peer-Reviewed Journal)
- XXIV. **On  $f$ -biharmonic Curves in the Three-dimensional Lorentzian Sasakian Manifolds**  
ALTUNBAŞ M.  
Hagia Sophia Journal of Geometry, 2021 (Peer-Reviewed Journal)
- XXV.  **$f$ -Biharmonic Curves in the Three-dimensional Para-Sasakian Space Forms**  
ALTUNBAŞ M.  
Earthline Journal of Mathematics, 2021 (Peer-Reviewed Journal)
- XXVI. **The Schouten-Van Kampen connection on the  $(1,1)$ -tensor bundle**  
Altunbaş M., GEZER A.  
RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, vol.67, no.3, pp.557-567, 2018 (ESCI)
- XXVII. **Some applications on tangent bundle with Kaluza-Klein metric**  
ALTUNBAŞ M., Taştan M.  
New Trends in Mathematical Sciences, vol.5, no.1, pp.34-39, 2017 (Peer-Reviewed Journal)
- XXVIII. **Curvature properties of Riemannian metric of the form  $Sgf+Hg$  on the tangent bundle over a Riemannian manifold  $(M,g)$**   
Gezer A., Karaman Ç., Bilen L., ALTUNBAŞ M.  
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.8, pp.181-194, 2015 (ESCI)

## Books

- I. **Canavarlara Güvenebilirsiniz (İlk 100 Sayı ve Onların Karakterleri)**  
Altunbaş M.  
Cinius Yayınları, İstanbul, 2020
- II. **Sonsuz Çiftlikte Yaşam**  
Altunbaş M.

- Cinius Yayınları, İstanbul, 2020
- III. **Sonsuzluğun Galerisi**  
Altunbaş M.  
Cinius Yayınları, İstanbul, 2020
- IV. **Sayılar (Tarihleri, Gizemleri, Teorileri)**  
Altunbaş M.  
Cinius Yayınları, İstanbul, 2020
- V. **Gerçekten Büyük Sayılar**  
Altunbaş M.  
Cinius Yayınları, İstanbul, 2020

## **Papers Published in Refereed Scientific Meetings**

- I. **On harmonicity of generalized magnetic curves**  
Altunbaş M.  
3rd International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences (ISCDFAMS -2024), İstanbul, Turkey, 2 - 05 September 2024, pp.1
- II. **Kaluza-Klein Metrikli Reeb Akışı Değişmeyen Birim Tanjant Küre Demetleri**  
Altunbaş M.  
35. Ulusal Matematik Sempozyumu, Edirne, Turkey, 4 - 08 September 2023, pp.75
- III. **Notes on Meta-Golden Riemannian Structures**  
ALTUNBAŞ M.  
International Conference on Mathematics and Mathematics Education, Denizli, Turkey, 22 September 2022
- IV. **Properties of Berger Type Deformed Sasaki Metric**  
ŞİMŞEK R., ALTUNBAŞ M., GEZER A.  
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018, pp.1
- V. **On the Natural Isometric Immersion From Normal Bundle of a Surface to Tangent Bundle of an AntiParaHermitian Manifold**  
ALTUNBAŞ M., GEZER A.  
International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2018), İstanbul, Turkey, 20 - 24 June 2018, pp.1
- VI. **On the Geometry of Tangent Bundle with Berger Type Deformed Sasaki Metric**  
ALTUNBAŞ M., GEZER A.  
International Conference on Mathematical Advances and Applications (ICOMAA2018), İstanbul, Turkey, 11 - 13 May 2018, pp.1
- VII. **Some properties of Kaluza-Klein metric on tangent bundle**  
ALTUNBAŞ M., GEZER A., Bilen L.  
15 th Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017, pp.1
- VIII. **A Schouten-Van Kampen connection on the (1,1)-tensor bundle**  
ALTUNBAŞ M., GEZER A.  
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, pp.1
- IX. **A generalization of Cheeger-Gromoll metric on tangent bundle**  
ALTUNBAŞ M., GEZER A.  
14. GEOMETRY SYMPOSIUM, Denizli, Turkey, 25 - 28 May 2016, pp.1
- X. **The Vranceanu Connections on The Riemannian (1,1)-Tensor Bundle**  
Altunbas M., GEZER A., Dogan E.  
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 21 - 23 April 2016, vol.1726
- XI. **(1,1)-Tipli Tensör Demet Üzerinde Ara Lift Konneksiyonu**  
ALTUNBAŞ M., GEZER A.

13. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015, pp.129
- XII. **(1,1)-Tipli tensör demet üzerinde iki farklı Schouten-Van Kampen konneksiyonu**  
ALTUNBAŞ M., GEZER A.  
10. Ankara Matematik Günleri, Ankara, Turkey, 11 - 12 June 2015, pp.26
- XIII. **A Riemannian almost product structure which is compatible with Cheeger-Gromoll metric on (1,1)-tensor bundle**  
ALTUNBAŞ M., GEZER A.  
Karatekin Mathematics Days 2014, Çankırı, Turkey, 11 - 13 June 2014, pp.190
- XIV. **The rescaled Sasaki type metrics on tensor bundles**  
ALTUNBAŞ M., GEZER A.  
11. Geometri Sempozyumu, Ordu, Turkey, 1 - 05 July 2013, pp.17
- XV. **Kotanjant Demet Üzerinde Yeniden skalerlendirilmiş Cheeger Gromoll tipli Riemann metriği**  
ALTUNBAŞ M., GEZER A.  
8. Ankara Matematik Günleri, Ankara, Turkey, 13 - 14 June 2013, pp.9
- XVI. **Cheeger Gromoll tipli Riemann metrikleri üzerine notlar**  
ALTUNBAŞ M., GEZER A.  
7. Ankara Matematik Günleri, Ankara, Turkey, 31 May - 01 June 2012, pp.50
- XVII. **E-3 çizgiler uzayında bir eğrinin Frenet vektörleri T,N,B nin oluşturduğu regle yüzeyler**  
OKUYUCU Z., ALTUNBAŞ M., ŞAHAN M., HACISALİHOĞLU H.  
7. Geometri Sempozyumu, Kırşehir, Turkey, 7 - 10 July 2009, pp.42

## Supported Projects

Altunbaş M., Bilen L., Gezer A., Project Supported by Higher Education Institutions, Tanjant demette Kaluza Klein metriğinin geometrisi, 2016 - 2017

ALTUNBAŞ M., GEZER A., Project Supported by Higher Education Institutions, (1,1)-Tipli Riemann Tensör Demeti Üzerinde Bağlantılı Schouten-Van Kampen Konneksiyonları, 2016 - 2017

## Memberships / Tasks in Scientific Organizations

Mathematical Association of America, Member, 2017 - Continues

Türk Matematik Derneği, Member, 2015 - Continues

## Metrics

Publication: 64

Citation (WoS): 80

Citation (Scopus): 91

H-Index (WoS): 5

H-Index (Scopus): 6