

## Prof. Dr. Aydın GEZER

### Kişisel Bilgiler

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### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, TENSÖR DEMETTE LIFT TEORISİNİN BAZI PROBLEMLERİ, Atatürk Üniversitesi, Matematik Anabilim Dalı, Geometri, 2008

Yüksek Lisans, Yatay lift teorisi, Atatürk Üniversitesi, Matematik Anabilim Dalı, Geometri, 2004

### Araştırma Alanları

Matematik, Diferansiyel Geometri, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Atatürk Üniversitesi, Fen Fakültesi, Matematik, 2016 - Devam Ediyor

Doç. Dr., Atatürk Üniversitesi, Fen Fakültesi, 2011 - 2016

### Verdiği Dersler

Olasılık, Lisans, 2023 - 2024

Lateks, Yüksek Lisans, 2023 - 2024

Temel Geometri, Lisans, 2023 - 2024

Mesleki İngilizce, Lisans, 2023 - 2024

### Yönetilen Tezler

GEZER A., Anti hermitian manifoldlar üzerinde Codazzi çiftlerinin geometrisi, Yüksek Lisans, H.Çakıcıoğlu(Öğrenci), 2018

GEZER A., (1,1)- tipli tensör demette Vranceanu konneksiyonları, Yüksek Lisans, E.Doğan(Öğrenci), 2017

GEZER A., Tanjant demette semi-simetrik metrik konneksiyon, Yüksek Lisans, E.Karakaş(Öğrenci), 2016

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GEZER A., Infinitesimal konformal dönüşümler hakkında, Yüksek Lisans, L.Bilen(Öğrenci), 2011

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Geometric properties of almost pure metric plastic pseudo-Riemannian manifolds**  
KARAMAN Ç., GEZER A., Khan M. N. I., Ucan S.  
Heliyon, cilt.10, sa.23, 2024 (SCI-Expanded)
- II. **Exploring Harmonic and Magnetic Fields on The Tangent Bundle with A Ciconia Metric Over An Anti-Parakähler Manifold**  
Elhouda Djaa N., GEZER A.  
Reports on Mathematical Physics, cilt.94, sa.2, ss.149-173, 2024 (SCI-Expanded)
- III. **A Study on the Second Order Tangent Bundles over Bi-Kählerian Manifolds**  
Djaa N. E., GEZER A., Zagane A.  
Chinese Annals of Mathematics. Series B, cilt.45, sa.5, ss.777-804, 2024 (SCI-Expanded)
- IV. **Exploring Conformal Soliton Structures in Tangent Bundles with Ricci-Quarter Symmetric Metric Connections**  
Li Y., GEZER A., Karakas E.  
Mathematics, cilt.12, sa.13, 2024 (SCI-Expanded)
- V. **Analyzing Curvature Properties and Geometric Solitons of the Twisted Sasaki Metric on the Tangent Bundle over a Statistical Manifold**  
Yan L., Li Y., BİLEN L., GEZER A.  
MATHEMATICS, cilt.12, sa.9, 2024 (SCI-Expanded)
- VI. **A short note on generalized Robertson Walker spacetimes**  
De U. C., GEZER A.  
Turkish Journal of Mathematics, cilt.48, sa.5, ss.955-964, 2024 (SCI-Expanded)
- VII. **Geodesic and F-geodesic exploration with a vertical generalized Berger-type deformed Sasaki metric on the tangent and  $\phi$ -unit tangent bundles**  
Zagane A., GEZER A.  
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- VIII. **A study on the tangent bundle with the vertical generalized Berger type deformed Sasaki metric**  
Chaoui S., Zagane A., GEZER A., Djaa N. E.  
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- IX. **Notes concerning Codazzi pairs on almost anti-Hermitian manifolds**  
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- X. **MAGNETIC FIELDS ON THE TANGENT BUNDLE OVER KÄHLERIAN MANIFOLDS**  
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Reports on Mathematical Physics, cilt.91, sa.2, ss.143-164, 2023 (SCI-Expanded)
- XI. **CoKähler and Cosymplectic Hom-Lie Algebras**  
Peyghan E., Nourmohammadifar L., Gezer A., Tosun E.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.20, sa.2, 2023 (SCI-Expanded)
- XII. **Representations and deformations of 3-Hom-  $\rho$  -Lie algebras**  
Peyghan E., Gezer A., Bagheri Z., Gültekin İ.  
Journal of Algebra and its Applications, cilt.22, sa.3, 2023 (SCI-Expanded)
- XIII. **Perfect fluid spacetimes and k-almost Yamabe solitons**  
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- TURKISH JOURNAL OF MATHEMATICS, cilt.47, sa.4, ss.1236-1246, 2023 (SCI-Expanded)
- XIV. **Some Results on Tangent Bundles with Berger Type Deformed Sasaki Metric over Kählerian Manifolds**  
GEZER A., Zagane A., Djaa N. E.  
Journal of Mathematical Physics, Analysis, Geometry, cilt.19, sa.3, ss.642-665, 2023 (SCI-Expanded)
- XV. **Some notes on the tangent bundle with a Ricci quarter-symmetric metric connection**  
Li Y., GEZER A., Karakaş E.  
AIMS Mathematics, cilt.8, sa.8, ss.17335-17353, 2023 (SCI-Expanded)
- XVI. **F-geodesics on the second order tangent bundle over a Riemannian manifold**  
Djaa N. E., Gezer A., Karaca K.  
Filomat, cilt.37, sa.8, ss.2561-2576, 2023 (SCI-Expanded)
- XVII. **Conjugate connections and their applications on pure metallic metric geometries**  
Durmaz O., GEZER A.  
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- XVIII. **Conformal vector fields and geometric solitons on the tangent bundle with the ciconia metric**  
GEZER A., Bilen L., De U. C.  
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- XIX. **E-Connections on the epsilon-Anti-Kähler Manifolds**  
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SYMMETRY-BASEL, cilt.14, sa.9, 2022 (SCI-Expanded)
- XX. **On Codazzi Couplings on the Metric (E-4 = I)-Manifolds**  
Turanlı S., Gezer A.  
SYMMETRY-BASEL, cilt.14, sa.7, 2022 (SCI-Expanded)
- XXI. **Kähler-Norden Structures on Statistical Manifolds**  
Peyghan E., GEZER A., Nourmohammadifar L.  
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- XXII. **Metallic Kähler and nearly metallic Kähler manifolds**  
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- XXIII. **Distinguished Connections on Finsler Algebroids**  
Peyghan E., Gezer A., Gültekin İ.  
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- XXIV. **Statistical structures on tangent bundles and Lie groups**  
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- XXV. **Some Notes on Metallic Kähler Manifolds**  
GEZER A., Topcuoglu F., De U. C.  
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- XXVI. **SOME HARMONIC PROBLEMS ON THE TANGENT BUNDLE WITH A BERGER-TYPE DEFORMED SASAKI METRIC**  
ALTUNBAŞ M., Simsek R., GEZER A.  
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, cilt.82, sa.2, ss.37-42, 2020 (SCI-Expanded)
- XXVII. **On anti-Kähler manifolds with complex semi-symmetric metric F-connection**  
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- XXVIII. **The second-order tangent bundle with deformed 2nd lift metric**  
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INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, cilt.16, sa.4, 2019 (SCI-Expanded)
- XXIX. **Remarks about the Kaluza-Klein metric on tangent bundle**  
Altunbas M., Bilen L., GEZER A.

- INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, cilt.16, sa.3, 2019 (SCI-Expanded)
- XXX. **GEOMETRY OF STATISTICAL F-CONNECTIONS ON THE ANTI-KAHLER MANIFOLD**  
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UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, cilt.81, sa.2, ss.109-114, 2019 (SCI-Expanded)
- XXXI. **A Study Concerning Berger Type Deformed Sasaki Metric on the Tangent Bundle**  
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- XXXII. **On Affine Connections Induced on the (1,1)-Tensor Bundle**  
Altunbas M., GEZER A.  
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- XXXIII. **On Kahler-Norden-Codazzi golden structures on pseudo-Riemannian manifolds**  
Bilen L., Turanli S., GEZER A.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, cilt.15, sa.5, 2018 (SCI-Expanded)
- XXXIV. **ON NEARLY PARAKAHLER MANIFOLDS**  
GEZER A., Turanli S.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.55, sa.3, ss.871-879, 2018 (SCI-Expanded)
- XXXV. **PROJECTIVE VECTOR FIELDS ON THE TANGENT BUNDLE WITH A CLASS OF RIEMANNIAN METRICS**  
GEZER A., Bilen L.  
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- XXXVI. **Geometry of the Second-Order Tangent Bundles of Riemannian Manifolds**  
GEZER A., MAĞDEN A.  
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- XXXVII. **On golden semisymmetric metric F-connections**  
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- XXXVIII. **On the rescaled Riemannian metric of Cheeger-Gromoll type on the cotangent bundle**  
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- XXXIX. **Golden-Hessian Structures**  
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- XL. **On the (1,1)-tensor bundle with Cheeger-Gromoll type metric**  
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- XLI. **ON THE GEOMETRY OF THE RESCALED RIEMANNIAN METRIC ON TENSOR BUNDLES OF ARBITRARY TYPE**  
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- XLII. **On metallic Riemannian structures**  
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- XLIII. **Some results on a cross-section in the tensor bundle**  
GEZER A., Altunbas M.  
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- XLIV. **Notes on the tangent bundle with deformed complete lift metric**  
GEZER A., ÖZKAN M.  
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- XLV. **NOTES ON THE RESCALED SASAKI TYPE METRIC ON THE COTANGENT BUNDLE**

- GEZER A., Altunbas M.  
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- XLVI. **Norden structures of Hessian type**  
 SALIMOV A., GEZER A.  
 TURKISH JOURNAL OF MATHEMATICS, cilt.38, sa.3, ss.462-469, 2014 (SCI-Expanded)
- XLVII. **On integrability of golden riemannian structures**  
 GEZER A., CENGİZ N., SALIMOV A.  
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- XLVIII. **ON DUAL HOLOMORPHIC B-TYPE HESSIAN METRICS**  
 GEZER A., KARAMAN Ç.  
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- XLIX. **Some notes concerning Riemannian metrics of Cheeger Gromoll type**  
 GEZER A., Altunbas M.  
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- L. **On infinitesimal conformal transformations with respect to the Cheeger-Gromoll metric**  
 GEZER A., BİLEN L.  
 ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, cilt.20, sa.1, ss.113-127, 2012 (SCI-Expanded)
- LI. **On para-Kähler-Norden structures on the tangent bundles**  
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- LII. **On the Geometry of the (1,1)-Tensor Bundle with Sasaki Type Metric**  
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- LIII. **On almost complex structures in the cotangent bundle**  
 SALIMOV A., GEZER A., Aslanci S.  
 TURKISH JOURNAL OF MATHEMATICS, cilt.35, sa.3, ss.487-492, 2011 (SCI-Expanded)
- LIV. **On infinitesimal holomorphically projective transformations on the tangent bundles with respect to the Sasaki metric**  
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 PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES, cilt.60, sa.3, ss.149-157, 2011 (SCI-Expanded)
- LV. **On the geometry of tangent bundles with the metric II + III**  
 GEZER A., TARAKCI Ö., SALIMOV A.  
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- LVI. **Geodesics of Sasakian Metrics on Tensor Bundles**  
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 MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.6, sa.2, ss.135-147, 2009 (SCI-Expanded)
- LVII. **On infinitesimal conformal transformations of the tangent bundles with the synectic lift of a Riemannian metric**  
 Gezer A.  
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- LVIII. **ALMOST COMPLEX STRUCTURES ON THE TENSOR BUNDLES**  
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- LIX. **Diagonal lifts of tensor fields of type (1,1) on cross-sections in tensor bundles and its applications**  
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- LX. **Infinitesimal automorphisms in the tangent bundle of a Riemannian manifold with horizontal lift of affine connection**  
 GEZER A., AKBULUT K.

## Diğer Dergilerde Yayınlanan Makaleler

- I. **NOTES ON THE INTEGRABILITY OF F-STRUCTURES OF DEGREE K SATISFYING  $F^k + (-1)^k F = 0$**   
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- II. **ON THE TANGENT BUNDLES OVER F-KÄHLERIAN MANIFOLDS**  
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- III. **Covariant derivatives of prolongations on the semi-tangent bundle**  
YILDIRIM F., AKBULUT K., GEZER A.  
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- IV. **Classification of Vector Fields and Soliton Structures on a Tangent Bundle with a Ricci Quarter-Symmetric Metric Connection**  
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- V. **?\*-Ricci solitons and paracontact geometry**  
Sardar A., De U. C., GEZER A.  
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- VI. **Notes on the Second Tangent Bundle over an Anti -biparaKaehlerian Manifold**  
Djaa N. E., GEZER A.  
Kyungpook Mathematical Journal, cilt.63, sa.1, ss.79-95, 2023 (ESCI)
- VII. **RESULTS CONCERNING SEMI-SYMMETRIC METRIC F-CONNECTIONS ON THE HSU-B MANIFOLDS**  
De U. C., GEZER A., KARAMAN Ç.  
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- VIII. **ON THE COTANGENT BUNDLE AND UNIT COTANGENT BUNDLE WITH A GENERALIZED CHEEGER-GROMOLL METRIC**  
Zagane A., Djaa N. E., GEZER A.  
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- IX. **Vertical rescaled Cheeger-Gromoll metric and harmonicity on the cotangent bundle**  
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- X. **Notes on the second-order tangent bundles with the deformed Sasaki metric**  
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- XI. **Sasaki-Kenmotsu manifolds**  
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- XII. **On Golden Semi-symmetric Non-metric F-Connections**  
Karaman Ç., Gezer A.  
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- XIII. **SOME VECTOR FIELDS ON THE TANGENT BUNDLE WITH A SEMI-SYMMETRIC METRIC CONNECTION**  
Gezer A., Karakas E.  
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- XIV. **Some Problems Concerning with Sasaki Metric on the Second-Order Tangent Bundles**  
Magden A., GEZER A., Karaca K.  
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- XV. **A study on complex semi-symmetric non-metric F-connections on anti-Kahler manifolds**  
KARAMAN Ç., GEZER A.  
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- XVI. **Semi-symmetry properties of the tangent bundle with a pseudo-Riemannian metric**  
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- XVII. **SOME PROPERTIES OF ANTI-KAHLER MANIFOLDS EQUIPPED WITH QUARTER-SYMMETRIC F-CONNECTIONS**  
KARAMAN Ç., GEZER A.  
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- XVIII. **The Schouten-Van Kampen connection on the (1,1)-tensor bundle**  
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- XIX. **On metric connections with torsion on the cotangent bundle with modified Riemannian extension**  
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- XX. **On a semi-symmetric metric connection on the tangent bundle with the complete lift metric**  
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- XXI. **CURVATURE PROPERTIES OF RIEMANNIAN METRICS OF THE FORM  $S_{gf} H_g$  ON THE TANGENT BUNDLE OVER A RIEMANNIAN MANIFOLD  $M_g$**   
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- XXII. **On the tangent bundle with deformed Sasaki metric**  
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- XXIII. **A Infinitesimal holomorphically projective transformations on tangent bundles with respect to the synectic metric tensor**  
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- XXV. **Geodesics and Killing vector fields in a tangent bundle**  
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### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **A Different Approach to Statistical Manifold**  
GEZER A., KARAMAN Ç.  
3rd International Conference on Mathematical Advances and Applications, 24 - 27 Haziran 2020
- II. **Curvature properties of Sasakian metrics on second order tangent bundle**  
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- III. **Geometry of Statistical F-connections**  
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- IV. **Geometry of Statistical F-connections**  
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## **Akademi Dışı Deneyim**

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