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Education Information

Doctorate, Kütahya Dumlupınar University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2009 - 2013

Postgraduate, Kütahya Dumlupınar University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2003 - 2006

Undergraduate, Kütahya Dumlupınar University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1999 - 2003

Dissertations

Doctorate, Finsler uzayında Sasakian yapılar, Kütahya Dumlupınar University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2013

Postgraduate, Pro-c çaprazlanmış modüller, Kütahya Dumlupınar University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2006

Academic Titles / Tasks

Assistant Professor, Usak University, EĞİTİM FAKÜLTESİ, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Nozzle effects on spray combustion and emissions in compression ignition engines using waste cooking oil biodiesel: A computational fluid dynamics analysis at varying injection pressures**
Yadav P. S., Ahmed S. F. A., Gautam R., ÇALIŞKAN H., ÇALIŞKAN N., Hong H.
IET Renewable Power Generation, vol.18, no.14, pp.2340-2359, 2024 (SCI-Expanded)
- II. **Artificial intelligence assisted prediction of optimum operating conditions of shell and tube heat exchangers: A grey-box approach**
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- III. **Advanced exergoeconomic analysis and mathematical modelling of the natural gas fired gas turbine unit used for industrial cogeneration system**
Çağlayan H., Çalışkan H., Hong H., Çalışkan N., Kale U., Kilikevičius A.
CASE STUDIES IN THERMAL ENGINEERING, vol.61, no.104969, pp.1-26, 2024 (SCI-Expanded)
- IV. **Aviation, energy, exergy, sustainability, exergoenvironmental and thermoeconomic analyses of a turbojet engine fueled with jet fuel and biofuel used on a pilot trainer aircraft**
Balli O., ÇALIŞKAN N., ÇALIŞKAN H.
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V. Sasakian Finsler manifolds

Yaliniz A. F., ÇALIŞKAN N.

Turkish Journal of Mathematics, vol.37, no.2, pp.319-339, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Integrability of the distributions of GCR-lightlike submanifolds of (ϵ) -Sasakian manifolds**
SAĞLAMER A. F., ÇALIŞKAN N.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.1, pp.354-368, 2020 (ESCI)
- II. **On Integrability of Semi-invariant Submanifolds of Trans-Sasakian Finsler Manifolds**
ÇALIŞKAN N., SAĞLAMER A. F., KILIÇ N.
APPLICATIONS AND APPLIED MATHEMATICS-AN INTERNATIONAL JOURNAL, no.5, pp.43-55, 2019 (Peer-Reviewed Journal)
- III. **KENMOTSU PSEUDO-METRIC FINSLER STRUCTURES**
SAĞLAMER A. F., KILIÇ N., ÇALIŞKAN N.
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.11, no.2, pp.12-31, 2019 (Peer-Reviewed Journal)
- IV. **An Analysis of Mathematics Questions of the Tpese Exam According to Cognitive Levels of Timss 2015**
ÇALIŞKAN N., kahya e., TEMPLİ DURMUŞ Y.
Journal of History Culture and Art Research, vol.7, no.5, pp.67, 2018 (Peer-Reviewed Journal)
- V. **Φ -Recurrent Sasakian Finsler Structures**
ÇALIŞKAN N., SAĞLAMER A. F.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.11, no.2, pp.54-60, 2018 (Peer-Reviewed Journal)
- VI. **Locally ϕ -quasiconformally symmetric sasakian finsler structures on tangent bundles**
ÇALIŞKAN N., Saglamer A. F.
Novi Sad Journal of Mathematics, vol.48, no.1, pp.61-71, 2018 (Scopus)
- VII. **On Semi-Invariant Submanifolds of Trans-Sasakian Finsler Manifolds**
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Fundamental journal of mathematics and applications (Online), vol.1, no.2, pp.112-117, 2018 (Peer-Reviewed Journal)
- VIII. **On Conharmonically Flatness of Lorentzian α -Sasakian Manifolds**
ÇALIŞKAN N., SAĞLAMER A. F.
Konuralp Journal of Mathematics, vol.6, no.2, pp.213-217, 2018 (Peer-Reviewed Journal)
- IX. **On Generalized and Extended Generalized ϕ -recurrent Sasakian Finsler Structures**
ÇALIŞKAN N., SAĞLAMER A. F.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.493-497, 2018 (Peer-Reviewed Journal)
- X. **ON CONHARMONIC CURVATURE TENSOR OF SASAKIAN FINSLER STRUCTURES ON TANGENT BUNDLES**
ÇALIŞKAN N.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, no.2, pp.282-290, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ON INTEGRABILITY OF SEMI-INVARIANT SUBMANIFOLDS OF TRANS-SASAKIAN FINSLER MANIFOLDS**
ÇALIŞKAN N., SAĞLAMER A. F., KILIÇ N.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS -IECMSA-

2018, 28 - 31 August 2018

- II. **On almost Kenmotsu Finsler structures**
ÇALIŞKAN N.
International Geometry Symposium in Honor of Prof. Aysel TURGUT VANLI, Turkey, 1 - 02 July 2024
- III. **ON CONHARMONIC CURVATURE TENSOR OF (ϵ) -KENMOTSU MANIFOLDS**
ÇALIŞKAN N., GÜMÜŞ M.
International Karabakh Applied Sciences Conference, Azerbaijan, 17 - 19 June 2021, pp.142-146
- IV. **Some Curvature Relations On ϵ - Kenmotsu Manifolds**
ÇALIŞKAN N., GÜMÜŞ M.
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- V. **11. SINIF SAYISAL BÖLÜM ÖĞRENCİLERİNİN IGCSE MATEMATİK SINAVI SAYI VE İŞLEMLER ÖĞRENME ALANI BAŞARI DURUMLARININ BAZI DEĞİŞKENLERE GÖRE İNCELENMESİ**
ÇALIŞKAN N., ÇİL T.
2. Uluslararası 23 Nisan Bilimsel Çalışmalar Kongresi, Ankara, Turkey, 23 - 26 April 2020, pp.60-67
- VI. **11. SINIF ÖĞRENCİLERİNİN IGCSE SINAVI MATEMATİK ÖĞRENME ALANI BAŞARI DURUMLARININ BAZI DEĞİŞKENLERE GÖRE İNCELENMESİ**
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2. Uluslararası 23 Nisan Bilimsel Çalışmalar Kongresi, Ankara, Turkey, 23 - 26 April 2020, pp.69-78
- VII. **SOME CURVATURE RELATIONS OF KENMOTSU FINSLER MANIFOLDS**
ÇALIŞKAN N., Dayan M.
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- VIII. **ON SOME CERTAIN QUASICONFORMALAND CONCIRCULAR CURVATURE CONDITIONS OF KENMOTSUFINSLER STRUCTURES**
ÇALIŞKAN N., Dayan M.
7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, Ankara, Turkey, 15 - 17 October 2019
- IX. **ON SOME SYMMETRY PROPERTIES OF M-PROJECTIVE CURVATURE TENSOR OF KENMOTSU FINSLER MANIFOLDS**
ÇALIŞKAN N., Dayan M.
MAS INTERNATIONAL CONFERENCE ON MATHEMATICS-ENGINEERING-NATURALMEDICAL SCIENCES-V, Erzurum, Turkey, 2 - 05 May 2019, pp.122-130
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MAS INTERNATIONAL CONFERENCE ON MATHEMATICS-ENGINEERING-NATURALMEDICAL SCIENCES-V, Erzurum, Turkey, 2 - 05 May 2019, pp.117-121
- XI. **ON SOME CURVATURE PROPERTIES OF KENMOTSU FINSLER STRUCTURES ON VECTOR BUNDLES**
ÇALIŞKAN N., SAĞLAMER A. F., KILIÇ N.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, 28 - 31 August 2018
- XII. **ALMOST KENMOTSU PSEUDOMETRIC STRUCTURES ON INDEFINITE FINSLER MANIFOLDS**
SAĞLAMER A. F., ÇALIŞKAN N., KILIÇ N.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS IECMSA 2018, 28 - 31 August 2018
- XIII. **(EPSILON)-ALMOST CONTACT METRIC STRUCTURES ON INDEFINITE FINSLER MANIFOLDS**
KILIÇ N., SAĞLAMER A. F., ÇALIŞKAN N.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS-IECMSA 2018, Kiev, 28 - 31 August 2018
- XIV. **ALMOST K-CONTACT PSEUDO-METRIC STRUCTURES ON INDEFINITE FINSLER MANIFOLDS**
KILIÇ N., SAĞLAMER A. F., ÇALIŞKAN N.

7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS -IECMSA
2018, Kiev, Ukraine, 28 - 31 August 2018

- XV. **CONTACT LORENTZIAN STRUCTURES ON INDEFINITE FINSLER MANIFOLDS**
SAĞLAMER A. F., ÇALIŞKAN N., KILIÇ N.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS-IECMSA 2018,
28 - 31 August 2018
- XVI. **On the Normality Conditions of Almost Kenmotsu Finsler Structures on Vector Bundles**
ÇALIŞKAN N., SAĞLAMER A. F., KILIÇ N.
16th International Geometry Symposium, 4 April - 07 July 2018
- XVII. **Sasakian Lorentzian Structures on Indefinite Finsler Manifolds**
SAĞLAMER A. F., ÇALIŞKAN N., KILIÇ N.
16. International Geometry Symposium, 4 - 07 July 2018
- XVIII. **On the Curvatures of Indefinite Kenmotsu Finsler Manifolds**
SAĞLAMER A. F., ÇALIŞKAN N., KILIÇ N.
16. International Geometry Symposium, 4 - 07 July 2018
- XIX. **ϵ -Sasakian Structures on Indefinite Finsler Manifolds**
KILIÇ N., SAĞLAMER A. F., ÇALIŞKAN N.
16. International Geometry Symposium, 4 - 07 July 2018
- XX. **Contact Pseudo-Metric Structures On Indefinite Finsler Manifolds**
KILIÇ N., SAĞLAMER A. F., ÇALIŞKAN N.
16. International Geometry Symposium, 4 - 07 July 2018
- XXI. **Mixed Totally Geodesic Semi-Invariant Submanifolds of Trans-Sasakian Finsler Manifolds**
ÇALIŞKAN N., SAĞLAMER A. F., KILIÇ N.
16. International Geometry Symposium, 4 - 07 July 2018
- XXII. **Origami Aksiyonları Üzerine**
ÇALIŞKAN N., GAPBAROW G.
30. Ulusal Matematik Sempozyumu(UMS2017), Turkey, 6 - 09 September 2017
- XXIII. **On Conharmonic Curvature Tensor of Lorentzian α -Sasakian Manifolds**
ÇALIŞKAN N., SAĞLAMER A. F.
International Conference on Mathematics and Engineering(ICOME), 10 - 12 May 2017
- XXIV. **Landsberg Finsler Structures**
ÇALIŞKAN N.
International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference(IFSCOM-2017), 3 - 07 May 2017
- XXV. **Quasi conformal curvature tensor reduced by T curvature tensor of Sasakian Finsler Manifolds**
ÇALIŞKAN N., SAĞLAMER A. F.
International Conference on Applied Science, Healthcare and Engineering, 27 - 28 December 2016
- XXVI. **Sasakian Finsler structures on diffusion of tangent bundles satisfying C X H Y H S O**
ÇALIŞKAN N., SAĞLAMER A. F.
6th International Conference on Innovative Research in Engineering Science and Management (ICIRESM-16), India,
09 October 2016
- XXVII. **A Special Type of Einstein Sasakian Finsler Structures on Tangent Bundles**
ÇALIŞKAN N.
3rd International Conference on Recent Innovation in Science, Technology and Management (ICRISTM-16), India,
18 September 2016
- XXVIII. **A special type of Sasakian Finsler structures on vector bundles**
ÇALIŞKAN N., SAĞLAMER A. F.
International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference (IFSCOM 2016), 29 August - 01
September 2016
- XXIX. **Vektör demeti üzerinde Sasakian Finsler Yapılar**
ÇALIŞKAN N., SAĞLAMER A. F.
29. Ulusal Matematik Sempozyumu (UMS2016), Turkey, 28 - 31 August 2016

- XXX. **Conharmonic curvature tensor of almost contact K contact and Sasakian Finsler manifolds**
ÇALIŞKAN N.
5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2016), 16 - 19 August 2016
- XXXI. **Quasiconformally flat Sasakian Finsler Structures on Tangent Bundles**
ÇALIŞKAN N.
71st IIER International Conference on Applied Physics and Mathematics (ICAPM), 20 - 21 June 2016
- XXXII. **On Conharmonically flat Sasakian Finsler structures on tangent bundles**
ÇALIŞKAN N.
14th International Geometry Symposium, 24 - 28 May 2016
- XXXIII. **PISA 2012 MATEMATİK SORULARININ DEĞERLENDİRİLMESİ**
DURAN E., ÇALIŞKAN N., BARDAKÇIOĞLU P.
14. MATEMATİK SEMPOZYUMU, Niğde, Turkey, 14 - 16 May 2015

Metrics

Publication: 48

Citation (Scopus): 33

H-Index (Scopus): 2