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ScopusID: 35226209600

Yoksis Araştırmacı ID: 25447

Öğrenim Bilgisi

Doktora 2008 - 2013	Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), Türkiye
Yüksek Lisans 2006 - 2008	Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (YI) (Tezli), Türkiye
Lisans 2002 - 2006	Anadolu Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, E4 deki yüzeylerin bir karakterizasyonu, Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), 2013

Yüksek Lisans, En deki elastik eğrilerin bir karakterizasyonu, Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (YI) (Tezli), 2008

Akademik Unvanlar / Görevler

Doç. Dr. 2017 - Devam Ediyor	Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK
Yrd. Doç. Dr. 2016 - 2017	Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK
Araştırma Görevlisi 2013 - 2016	Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **General Rotational Surfaces Satisfying $\Delta x(T) = \phi x(T)$**
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2. **General rotational xi-surfaces in Euclidean spaces**
Arslan K., Aydin Y., Bulca B.
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3. **Rotational submanifolds in Euclidean spaces**
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4. **A GEOMETRIC MODELING OF TRACHEAL ELEMENTS OF THE CHARD (Beta vulgaris) LEAF**
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5. **ON GENERALIZED ROTATIONAL SURFACES IN EUCLIDEAN SPACES**
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6. **Meridian Surfaces with Constant Mean Curvature in Pseudo-Euclidean 4-Space with Neutral Metric**
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7. **MERIDIAN SURFACES IN E-4 WITH POINTWISE 1-TYPE GAUSS MAP**
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8. **Semiparallel wintgen ideal surfaces in E_n**
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9. **Coordinate Finite Type Rotational Surfaces in Euclidean Spaces**
Bayram B. (., ARSLAN K., Onen N., BULCA B.
FILOMAT, cilt.28, sa.10, ss.2131-2140, 2014 (SCI-Expanded)
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11. **Surfaces given with the Monge patch in E_4**
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Journal of Mathematical Physics, Analysis, Geometry, cilt.9, sa.4, ss.435-447, 2013 (SCI-Expanded)
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13. **Generalized Rotation Surfaces in $E-4$**
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14. **SPHERICAL PRODUCT SURFACES IN $E-4$**
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15. **On the solution of the monge-ampere equation $Z_{xx}Z_{yy}-Z^2_{xy} = f(x,y)$ with quadratic right side**
Aminov Y., ARSLAN K., Kiliç Bayram B., BULCA B., MURATHAN C., Öztürk G.
Journal of Mathematical Physics, Analysis, Geometry, cilt.7, sa.3, ss.203-211, 2011 (SCI-Expanded)
16. **TENSOR PRODUCT SURFACES WITH POINTWISE 1-TYPE GAUSS MAP**
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17. **VRANCEANU SURFACE IN E-4 WITH POINTWISE 1-TYPE GAUSS MAP**
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18. **Rotational embeddings in E-4 with pointwise 1-type gauss map**
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19. **On the Solution of the Monge-Ampere Equation $Z(xx)Z(yy)-Z(xy)^2=f(x, y)$ with Quadratic Right Side**
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Diğer Dergilerde Yayınlanan Makaleler

1. **Rotational Self-Shrinkers in Euclidean Spaces**
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International Electronic Journal of Geometry, cilt.17, sa.1, ss.34-43, 2024 (ESCI)
2. **On constant-ratio surfaces of rotation in Euclidean 4-space**
ARSLAN K., BULCA SOKUR B., Demirbaş E.
Asian-European Journal of Mathematics, cilt.16, sa.11, 2023 (ESCI)
3. **Conchoidal Surfaces in Euclidean 3-space Satisfying $\Delta x_{i}=\lambda_{i}x_{i}$**
Sokur B., Dirim T.
Universal Journal of Mathematics and Applications, cilt.6, sa.3, ss.114-121, 2023 (Scopus)
4. **Translation-Factorable Surfaces in 4-dimensional Euclidean Space**
PAMUK E. A., BULCA B.
Konuralp Journal of Mathematics, cilt.9, sa.1, ss.193-200, 2021 (Hakemli Dergi)
5. **A geometric and mechanical description of the talus and cochlea tibiae in horse and ox**
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6. **The Geometry of Ribbons**
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7. **Rotational λ – hypersurfaces in Euclidean spaces**
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8. **Rotational surfaces with rotations in $x^3 \times x^4$ -plane**
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9. **ON WEAK BIHARMONIC GENERALIZED ROTATIONAL SURFACE IN E^4**
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10. **Generalized Aminov surfaces given by a Monge patch in the Euclidean four space**

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11. **Conchoid curves and surfaces in Euclidean 3-Space**
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 12. **On Total Shear Curvature of Surfaces in $E\{n2\}$**
BULCA B., ARSLAN K.
Sakarya University Journal of Science, cilt.22, ss.1765-1769, 2018 (Hakemli Dergi)
 13. **Rotational surfaces in higher dimensional Euclidean spaces**
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 14. **A Characterization of Involutives and Evolutes of a Given Curve in $E-n$**
Ozturk G., ARSLAN K., BULCA B.
KYUNGPOOK MATHEMATICAL JOURNAL, cilt.58, sa.1, ss.117-135, 2018 (ESCI)
 15. **ON GENERALIZED SPHERICAL SURFACES IN EUCLIDEAN SPACES**
Bayram B., ARSLAN K., BULCA B.
HONAM MATHEMATICAL JOURNAL, cilt.39, sa.3, ss.363-377, 2017 (ESCI)
 16. **Pseudo-Riemannian Submanifolds with 3-planar Geodesics**
Arslan K., Bulca B., Öztürk G.
Sinop University Journal of Natural Sciences, cilt.2, sa.1, ss.107-112, 2017 (Hakemli Dergi)
 17. **Meridian Surfaces with Parallel Normalized Mean Curvature Vector Field in Pseudo-Euclidean 4-space with Neutral Metric**
BULCA B., Milousheva V.
International Journal of Geometry, cilt.6, sa.1, ss.67-84, 2017 (Hakemli Dergi)
 18. **Canal surfaces in 4-dimensional Euclidean space**
BULCA B., ARSLAN K., BAYRAM B., ÖZTÜRK G.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), cilt.7, sa.1, ss.83-89, 2017 (Hakemli Dergi)
 19. **On translation surfaces in 4-dimensional Euclidean space**
ARSLAN K., Bayram B., BULCA B., Ozturk G.
ACTA ET COMMENTATIONES UNIVERSITATIS TARTUENSIS DE MATHEMATICA, cilt.20, sa.2, ss.123-133, 2016 (ESCI)
 20. **Surface pencils in Euclidean 4-space $E-4$**
BULCA B., ARSLAN K.
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, cilt.9, sa.4, 2016 (ESCI)
 21. **Mixed Product Surfaces in $E 4$**
BULCA B., ARSLAN K.
Beyken Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.9, sa.1, ss.1-12, 2016 (Hakemli Dergi)
 22. **MERIDIAN SURFACES OF WEINGARTEN TYPE IN 4 DIMENSIONAL EUCLIDEAN SPACE $E4$**
ÖZTÜRK G., BULCA B., BAYRAM B., ARSLAN K.
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 23. **Mixed product surfaces in euclidean 3 space $E 3$**
BULCA B., ARSLAN K.
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 24. **Focal representation of k-slant Helices in E_{m+1}**
Ozturk G., BULCA B., Bayram B., ARSLAN K.
ACTA UNIVERSITATIS SAPIENTIAE-MATHEMATICA, cilt.7, sa.2, ss.200-209, 2015 (ESCI)
 25. **SEMI-PARALLEL MERIDIAN SURFACES IN $E-4$**
BULCA B., ARSLAN K.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, cilt.8, sa.2, ss.147-153, 2015 (ESCI)
 26. **Normal transport surfaces in Euclidean 4 space $E 4$**

- ARSLAN K., BULCA B., BAYRAM B., ÖZTÜRK G.
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27. **Normal Transport Surfaces in Euclidean 4 space**
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28. **SEMIPARALLEL TENSOR PRODUCT SURFACES IN E4**
BULCA B., ARSLAN K.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, cilt.7, sa.1, ss.36-43, 2014 (ESCI)
29. **ON GENERALIZED LN SURFACES IN E4**
BULCA B.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, cilt.1, sa.2, ss.35-41, 2013 (Hakemli Dergi)
30. **Characterization of curves in E²ⁿ⁻¹ with 1 type Darboux vector**
KOCAYİĞİT H., ÖZTÜRK G., BULCA B., BAYRAM B., ARSLAN K.
Mathematica Moravica, cilt.17, sa.2, ss.29-37, 2013 (Hakemli Dergi)
31. **SELF SIMILAR SURFACES IN EUCLIDEAN SPACES**
ETEMOĞLU E., ARSLAN K., BULCA B.
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32. **BENZ SURFACES INDUCED BY ROTATIONAL SURFACES IN E4**
ARSLAN K., BULCA B., MILOUSHEVA V.
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33. **On canal surfaces in E³**
ÖZTÜRK G., BAYRAM B., BULCA B., ARSLAN K.
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34. **A Geometric Description of the Peritechia of the Pseudonectria rousseliana Mont Wollenw**
ARSLAN K., AKGÜL H., ERGÜL C. C., HÜSEYİN E., ÖZTÜRK G., BULCA B.
J. BIOL. ENVIRON. SCI., cilt.3, sa.9, ss.67-70, 2009 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

1. **CONCHOIDAL SURFACES IN EUCLIDEAN 3-SPACE SATISFYING $\Delta x_i = \lambda x_i$**
Dirim T., BULCA SOKUR B.
ISTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS –III, İstanbul, Türkiye, 06 Mayıs 2022, ss.35
2. **The theory and the geometric modelling of curves and surfaces in Euclidean spaces**
BULCA B.
Women in Mathematics in South-Eastern Europe, Bulgaristan, 10 - 11 Aralık 2020
3. **A Characterization of Weak Biharmonic Rotational Surfaces in E4**
BULCA B., ARSLAN K., Harmanlı M.
17. International Geometry Symposium, Erzincan, Türkiye, 19 - 22 Haziran 2019
4. **On Weak Biharmonic Generalized Rotation Surface in E4**
Harmanlı M., ARSLAN K., BULCA B.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Türkiye, 3 - 05 Mayıs 2019
5. **Translation-Factorable surfaces in 4-dimensional Euclidean Space**
Pamuk E. A., BULCA B.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Türkiye, 3 - 05 Mayıs 2019
6. **Meridian Surfaces with Parallel Normalized and Constant Mean Curvature in Pseudo-Euclidean 4-Space with Neutral Metric**
BULCA B., Milousheva V.
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7. **A Geometric Modeling of Tracheal Elements of Chard (Beta vulgaris var. cicla L.) Leaf**

- ARSLAN K., BULCA B., ÖZDEMİR A., bozdağ b., ÖZDEMİR C.
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8. **Geometric Modeling and Statistical Comparison of Some Sage (Salvia L.) Glandular Hairs**
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9. **On Rotational Submanifolds in Euclidean Spaces**
ARSLAN K., BAYRAM B., BULCA B., ÖZTÜRK G.
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10. **Grassmann Image of Surfaces in 4-dimensional Euclidean Spaces**
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11. **Rotational surfaces in Higher Dimensional Euclidean Spaces**
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15. International Geometry Symposium, 3 - 06 Temmuz 2017
12. **Convolution of Curves and Surfaces in Euclidean Spaces**
aydöner s., ARSLAN K., BULCA B.
15th International Geometry Symposium, 3 - 06 Temmuz 2017
13. **Surface Pencils in Euclidean Spaces**
bulca B., ARSLAN K.
13. Geometri Sempozyumu, Türkiye, 27 - 30 Temmuz 2015
14. **Coordinate Finite Type Surfaces in Euclidean Spaces**
BAYRAM B., ARSLAN K., ÖNEN N., BULCA B.
13. Geometri Sempozyumu, İstanbul, Türkiye, 27 - 30 Temmuz 2015, ss.64
15. **Self similar surfaces in Euclidean spaces , Balıkesir , 2012**
ETEMOĞLU E., ARSLAN K., BULCA B.
X. Ulusal Geometri Sempozyumu, Balıkesir, Türkiye, 13 - 16 Haziran 2012
16. **On Translation Surface in Euclidean Space", 9. Geometri Sempozyumu, (2011),07-10 Haziran 2011.**
BULCA B., ARSLAN K., BAYRAM B., ÖZTÜRK G.
IX. Geometri Sempozyumu, Samsun, Türkiye, 7 - 10 Haziran 2011
17. **On spherical product surfaces in E3**
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Verdiği Dersler

- Calculus 2, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022
Calculus 2, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022
Calculus 1, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022
Calculus 1, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022
Matematik 2, Lisans, 2022 - 2023
Uygulamalı Geometriye Giriş, Lisans, 2022 - 2023, 2021 - 2022
Uygulamalı Geometri, Lisans, 2021 - 2022
Matematik 1, Lisans, 2022 - 2023
Uygulamalı Geometriye Giriş, Lisans, 2020 - 2021
UYGULAMALI GEOMETRİ, Lisans, 2017 - 2018
LİNEER CEBİR, Lisans, 2017 - 2018, 2016 - 2017
MODERN GEOMETRİK METODLAR VE UYGULAMALARI 1, Yüksek Lisans, 2017 - 2018
LİNEER CEBİR 2, Lisans, 2017 - 2018
LİNEER CEBİR 1, Lisans, 2017 - 2018
Modern Geometrik Metodlar ve Uygulamaları 2, Yüksek Lisans, 2017 - 2018

MATEMATİK, Lisans, 2017 - 2018, 2016 - 2017
TEMEL MATEMATİK 1, Lisans, 2017 - 2018, 2016 - 2017
TEMEL MATEMATİK 2, Lisans, 2016 - 2017
Temel Diferansiyel Geometri 1, Yüksek Lisans, 2016 - 2017

Bilimsel Hakemlikler

Journal of Mathematics, Hakemli Bilimsel Dergi, Mayıs 2024
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
Hakemli Bilimsel Dergi, Şubat 2024

Metrikler

Yayın: 110
Atf (WoS): 224
Atf (Scopus): 186
H-İndeks (WoS): 9
H-İndeks (Scopus): 9