

## Prof. Dr. KADRİ ARSLAN

### Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAG-8775-2021

ScopusID: 6603079141

Yoksis Araştırmacı ID: 7387

### Eğitim Bilgileri

Doktora, The University of Leeds, School of Mathematics, Mathematics, İngiltere 1989 - 1993

Yüksek Lisans, Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Mathematics, Türkiye 1986 - 1988

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1977 - 1982

### Yaptığı Tezler

Doktora, Noktasal k-düzlemsel normal kesitlere sahip altmanifoldlar, The University of Leeds, School of Mathematics, Pure Mathematics, 1993

Yüksek Lisans, Noktasal düzlemsel normal kesitlerle immersiyonlar, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1988

### Araştırma Alanları

Matematik, Diferansiyel Geometri, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2001 - Devam Ediyor

Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1995 - 2001

Yrd. Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1993 - 1995

Araştırma Görevlisi, The University of Leeds, School Of Mathematics, Mathematics, 1989 - 1993

Araştırma Görevlisi, The University of Lancaster, School Of Mathematics, Mathematics, 1988 - 1989

Araştırma Görevlisi, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1985 - 1988

### Verdiği Dersler

MAT5316 Altmanifoldlar Teorisi II, Yüksek Lisans, 2017 - 2018, 2016 - 2017

MAT1071 Matematik I, Lisans, 2017 - 2018

MAT 1003 Lineer Cebir I, Lisans, 2017 - 2018

MAT3015 Diferansiyel Geometri I, Lisans, 2017 - 2018, 2016 - 2017  
MAT5000 Matematikte Arař. Yönt. ve Yayın Etięi, Yüksek Lisans, 2017 - 2018  
MAT5306 Eğriler ve Yüzeyleerin Geometrik Modelleri II, Yüksek Lisans, 2017 - 2018, 2016 - 2017  
MAT5315 Altmanfoldlar Teorisi I, Yüksek Lisans, 2017 - 2018  
MAT5315 Altmanifoldlar Teorisi I, Yüksek Lisans, 2017 - 2018, 2016 - 2017  
MAT6315 Riemann Geometrisi I, Doktora, 2017 - 2018  
MAT4097 Uygulamalı Geometriye Giriř, Lisans, 2017 - 2018  
MAT5316 Riemann Geometrisi II, Doktora, 2017 - 2018  
MAT3016 Diferansiyel Geometri II, Lisans, 2017 - 2018, 2016 - 2017  
MAT5305 Eğriler ve Yüzeyleerin Geometrik Modelleri I, Yüksek Lisans, 2017 - 2018, 2016 - 2017  
MAT6421 Diferansiyel Geometride Metrik Yapılar, Doktora, 2017 - 2018  
MAT6304 İleri Diferansiyel Geometri II, Doktora, 2017 - 2018  
MAT6318 Yarı-Riemann Geometrisi II, Doktora, 2017 - 2018  
MAT6303 İleri Diferansiyel Geometri I, Doktora, 2017 - 2018  
MAT6317 Yarı-Riemann Geometrisi I, Doktora, 2017 - 2018  
MAT1083 Matematik, Lisans, 2017 - 2018  
MAT5316 Altmanfoldlar Teorisi II, Yüksek Lisans, 2017 - 2018  
MAT2013 Analitik Geometri I, Lisans, 2016 - 2017  
MAT 2014 Analitik Geometri II, Lisans, 2016 - 2017

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

- I. **General Rotational Surfaces Satisfying  $\Delta x(T) = \phi x(T)$**   
Demirbas E., Arslan K., Bulca B.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.19, sa.1, 2022 (SCI-Expanded)
- II. **General rotational xi-surfaces in Euclidean spaces**  
Arslan K., Aydın Y., Bulca B.  
TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.3, ss.1287-1299, 2021 (SCI-Expanded)
- III. **Rotational submanifolds in Euclidean spaces**  
ARSLAN K., Bayram B., BULCA B., Ozturk G.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, cilt.16, sa.2, 2019 (SCI-Expanded)
- IV. **A GEOMETRIC MODELING OF TRACHEAL ELEMENTS OF THE CHARD (Beta vulgaris) LEAF**  
Arslan K., Bulca B., Ozdemir C., Ozdemir A., Bozdag B.  
PLANTA DANINHA, cilt.37, 2019 (SCI-Expanded)
- V. **ON GENERALIZED ROTATIONAL SURFACES IN EUCLIDEAN SPACES**  
ARSLAN K., BULCA B., Kosova D.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, cilt.54, sa.3, ss.999-1013, 2017 (SCI-Expanded)
- VI. **Meridian Surfaces of Elliptic or Hyperbolic Type with Pointwise 1-type Gauss Map in Minkowski 4-space**  
ARSLAN K., Milousheva V.  
TAIWANESE JOURNAL OF MATHEMATICS, cilt.20, sa.2, ss.311-332, 2016 (SCI-Expanded)
- VII. **The curvature tensor of -contact metric manifolds**  
ARSLAN K., Carriazo A., Martin-Molina V., MURATHAN C.  
MONATSHEFTE FÜR MATHEMATIK, cilt.177, sa.3, ss.331-344, 2015 (SCI-Expanded)
- VIII. **MERIDIAN SURFACES IN E-4 WITH POINTWISE 1-TYPE GAUSS MAP**  
ARSLAN K., BULCA B., Milousheva V.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.51, sa.3, ss.911-922, 2014 (SCI-Expanded)
- IX. **Semiparallel wintgen ideal surfaces in  $E_{2,2}^n$**   
Bulca B., Arslan K.  
DOKLADI NA B'LGARSKATA AKADEMIA NA NAUKITE, cilt.67, ss.613-622, 2014 (SCI-Expanded)

- X. **On generalized Robertson-Walker spacetimes satisfying some curvature condition**  
Arslan K., Deszcz R., Ezentaş R., Hotlos M., Murathan C.  
TURKISH JOURNAL OF MATHEMATICS, cilt.38, sa.2, ss.353-373, 2014 (SCI-Expanded)
- XI. **SEMI PARALLEL WINTGEN IDEAL SURFACES IN  $E^n$**   
BULCA B., ARSLAN K.  
COMPTES RENDUS DE L'ACADEMIE BULGARE DES SCIENCES, cilt.67, sa.5, ss.613-622, 2014 (SCI-Expanded)
- XII. **Semiparallel wintgen ideal surfaces in  $E^n$**   
BULCA B., ARSLAN K.  
Comptes Rendus de L'Academie Bulgare des Sciences, cilt.67, sa.5, ss.613-622, 2014 (SCI-Expanded)
- XIII. **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)
- XIV. **Surfaces given with the Monge patch in  $E^4$**   
BULCA B., ARSLAN K.  
Journal of Mathematical Physics, Analysis, Geometry, cilt.9, sa.4, ss.435-447, 2013 (SCI-Expanded)
- XV. **Surfaces Given with the Monge Patch in  $E^4$**   
Bulca B., Arslan K.  
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- XVI. **Generalized Rotation Surfaces in  $E^4$**   
ARSLAN K., Bayram B. (., BULCA B., Ozturk G.  
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- XVII. **SPHERICAL PRODUCT SURFACES IN  $E^4$**   
BULCA B., ARSLAN K., Bayram B. (., Ozturk G.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, cilt.20, sa.1, ss.41-54, 2012 (SCI-Expanded)
- XVIII. **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)
- XIX. **TENSOR PRODUCT SURFACES WITH POINTWISE 1-TYPE GAUSS MAP**  
ARSLAN K., BULCA B., Kilic B., Kim Y. H., MURATHAN C., Ozturk G.  
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- XX. **VRANCEANU SURFACE IN  $E^4$  WITH POINTWISE 1-TYPE GAUSS MAP**  
Arslan K., Bayram B. K., Bulca B., Kim Y. H., Murathan C., Ozturk G.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, cilt.42, sa.1, ss.41-51, 2011 (SCI-Expanded)
- XXI. **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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- XXII. **Rotational embeddings in  $E^4$  with pointwise 1-type gauss map**  
ARSLAN K., Bayram B. K., BULCA B., Kim Y. H., MURATHAN C., Ozturk G.  
TURKISH JOURNAL OF MATHEMATICS, cilt.35, sa.3, ss.493-499, 2011 (SCI-Expanded)
- XXIII. **SOME SPECIAL TYPES OF DEVELOPABLE RULED SURFACE**  
Alegre P., Arslan K., Carriazo A., Murathan C., Ozturk G.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.39, sa.3, ss.319-325, 2010 (SCI-Expanded)
- XXIV. **ON SLANT SUBMANIFOLDS OF NEUTRAL KAEHLER MANIFOLDS**  
Arslan K., Carriazo A., Chen B. -, Murathan C.  
TAIWANESE JOURNAL OF MATHEMATICS, cilt.14, sa.2, ss.561-584, 2010 (SCI-Expanded)
- XXV. **Superconformal ruled surfaces in  $E^4$**   
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- XXVI. **Superconformal ruled surfaces in  $E^4$**

- Bayram B., Bulca B., ARSLAN K., Öztürk G.  
Mathematical Communications, cilt.14, sa.2, ss.235-244, 2009 (SCI-Expanded)
- XXVII. **CERTAIN CURVATURE CONDITIONS ON AN LP-SASAKIAN MANIFOLD WITH A COEFFICIENT  $\alpha$**   
De U. C., ARSLAN K.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.46, sa.3, ss.401-408, 2009 (SCI-Expanded)
- XXVIII. **On generalized recurrent Riemannian manifolds**  
Arslan K., De U. C., Murathan C., Yildiz A.  
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- XXIX. **A characterization of ccr-curves in R-m**  
Ozturk G., ARSLAN K., HACISALİHOĞLU H. H.  
PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES, cilt.57, sa.4, ss.217-224, 2008 (SCI-Expanded)
- XXX. **A Characterization of Chen Surfaces in E-4**  
İYİGÜN E., ARSLAN K., Oeztuerk G.  
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, cilt.31, sa.2, ss.209-215, 2008 (SCI-Expanded)
- XXXI. **C-totally real pseudo-parallel submanifolds of Sasakian space forms**  
Yildiz A., Murathan C., Arstan K., Ezentas R.  
Monatshefte fur Mathematik, cilt.151, sa.3, ss.247-256, 2007 (SCI-Expanded)
- XXXII. **On 3-dimensional generalized ( $\kappa, \mu$ )-contact metric manifolds**  
Shaikh A. A., Arslan K., Murathan C., Baishya K. K.  
BALKAN JOURNAL OF GEOMETRY AND ITS APPLICATIONS, cilt.12, sa.1, ss.122-134, 2007 (SCI-Expanded)
- XXXIII. **Warped product submanifolds in Kenmotsu space forms**  
Murathan C., Arslan K., Ezentas R., Mihai I.  
TAIWANESE JOURNAL OF MATHEMATICS, cilt.10, sa.6, ss.1431-1441, 2006 (SCI-Expanded)
- XXXIV. **A geometric modeling of dog intestine**  
Yildiz H., Arslan K., Coskun İ., Yidiz B.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, cilt.30, sa.5, ss.483-488, 2006 (SCI-Expanded)
- XXXV. **Contact CR-warped product submanifolds in Kenmotsu space forms**  
Arslan K., Ezentas R., Mihai I., Murathan C.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, cilt.42, sa.5, ss.1101-1110, 2005 (SCI-Expanded)
- XXXVI. **A geometric description of the urinary bladder of Turkish Shepherd dog (Karabaş)**  
Ezentas R., Arslan K., Yildiz H., Yildiz B., Murathan C.  
Annals of Anatomy, cilt.187, sa.2, ss.179-184, 2005 (SCI-Expanded)
- XXXVII. **On pseudosymmetry type hypersurfaces of semi-Euclidean spaces I**  
Arslan K., Deszcz R., Ezentas R., Murathan C., Ozgur C.  
Acta Mathematica Scientia, cilt.22, sa.3, ss.346-358, 2002 (SCI-Expanded)
- XXXVIII. **On some class of hypersurfaces of semi-Euclidean spaces**  
Murathan C., Arslan K., Deszcz R., Ezentas R., Ozgur C.  
Publicationes Mathematicae, cilt.58, sa.4, ss.587-604, 2001 (SCI-Expanded)
- XXXIX. **A geometric description of the ascending colon of some domestic animals**  
Yildiz B., Arslan K., Yildiz H., Ozgur C.  
ANNALS OF ANATOMY-ANATOMISCHER ANZEIGER, cilt.183, sa.6, ss.555-557, 2001 (SCI-Expanded)
- XL. **A mathematical model of the ascending colon of the horse**  
Yildiz H., Yildiz B., Arslan K., Ozgur C.  
ANNALS OF ANATOMY-ANATOMISCHER ANZEIGER, cilt.183, sa.6, ss.551-554, 2001 (SCI-Expanded)
- XLI. **Certain inequalities for submanifolds in ( $K, \mu$ )-contact space forms**  
Arslan K., Ezentas R., Mihai I., Murathan C., Ozgur C.  
BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY, cilt.64, sa.2, ss.201-212, 2001 (SCI-Expanded)
- XLII. **2 semiparallel surfaces in space forms I Two particular cases**  
Arslan K., Lumiste U., Murathan C., Özgür C.  
PROCEEDINGS-ESTONIAN ACADEMY OF SCIENCES PHYSICS MATHEMATICS, cilt.49, sa.3, ss.139-148, 2000 (SCI-

Expanded)

- XLIII. **On the equivalence of Ricci semisymmetry and semisymmetry**  
Arslan K., Çelik Y., Deszcz R., Ezentaş R.  
COLLOQUIUM MATHEMATICUM, cilt.76, sa.2, ss.279-294, 1998 (SCI-Expanded)
- XLIV. **On Weyl pseudosymmetric hypersurfaces**  
Arslan K., Deszcz R., Yaprak Ş.  
COLLOQUIUM MATHEMATICUM, cilt.72, sa.2, ss.353-361, 1997 (SCI-Expanded)
- XLV. **Non-spherical submanifolds with pointwise 2-planar normal sections**  
Arslan K., West A.  
BULLETIN OF THE LONDON MATHEMATICAL SOCIETY, cilt.28, ss.88-92, 1996 (SCI-Expanded)
- XLVI. **PRODUCT SUBMANIFOLDS WITH POINTWISE 3-PLANAR NORMAL SECTIONS**  
Arslan K., West A.  
GLASGOW MATHEMATICAL JOURNAL, cilt.37, ss.73-81, 1995 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Rotational Self-Shrinkers in Euclidean Spaces**  
ARSLAN K., Aydın Y., Sokur B.  
International Electronic Journal of Geometry, cilt.17, sa.1, ss.34-43, 2024 (ESCI)
- II. **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)
- III. **A geometric and mechanical description of the talus and cochlea tibiae in horse and ox**  
İşbilir F., Çelik A. B., Arslan K., Bulca B., Yıldız B.  
Journal of research in veterinary medicine (Online), cilt.40, sa.1, ss.54-60, 2021 (Hakemli Dergi)
- IV. **The Geometry of Ribbons**  
Arslan K., Bulca B., Öztürk G.  
TURKISH JOURNAL OF SCIENCE, cilt.6, sa.1, ss.36-44, 2021 (Hakemli Dergi)
- V. **Rotational  $\lambda$  – hypersurfaces in Euclidean spaces**  
Arslan K., Sütveren A., Bulca B.  
Creative Mathematics and Informatics, cilt.30, sa.1, ss.29-40, 2021 (Hakemli Dergi)
- VI. **Rotational surfaces with rotations in  $x^3x^4$ -plane**  
ARSLAN K., BULCA SOKUR B.  
Applied Mathematics E - Notes, cilt.21, ss.103-109, 2021 (ESCI)
- VII. **Rotational  $\lambda$ - hypersurfaces in Euclidean spaces**  
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Creative Mathematics and Informatics, cilt.30, sa.1, ss.29-40, 2021 (Hakemli Dergi)
- VIII. **Rotational Surfaces With Rotations In  $x(3)x(4)$ -Plane**  
Arslan K., Bulca B.  
APPLIED MATHEMATICS E-NOTES, cilt.21, ss.103-109, 2021 (ESCI)
- IX. **Some Characterizations of Curves in n-dimensional Euclidean Space IEn**  
Büyükkütük S., Kişi İ., Öztürk G., Arslan K.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.10, sa.2, ss.1273-1285, 2020 (Hakemli Dergi)
- X. **A NEW CHARACTERIZATION OF CURVES IN MINKOWSKI 4-SPACE E-1(4)**  
KİŞİ İ., ÖZTÜRK G., ARSLAN K.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, cilt.35, sa.1, ss.187-199, 2020 (ESCI)
- XI. **A New Type Of Canal Surface in Euclidean 4-Space E4**  
KİŞİ İ., ÖZTÜRK G., ARSLAN K.  
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.23, sa.5, ss.801-809, 2019 (Hakemli Dergi)
- XII. **Erratum to "On Convolution surfaces in Euclidean spaces"**

- Aydöner S., Arslan K.  
Journal of mathematical sciences and modelling (Online), cilt.2, sa.1, ss.71-73, 2019 (Hakemli Dergi)
- XIII. **Generalized Aminov surfaces given by a Monge patch in the Euclidean four space**  
Bulca B., Arslan K.  
Differential Geometry -Dynamical Systems, cilt.21, ss.52-62, 2019 (Hakemli Dergi)
- XIV. **R<sup>4</sup> de tensör çarpım yüzeylerinin Grassmann görüntüleri**  
DEMİRBAŞ E., ARSLAN K.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.21, ss.1-9, 2019 (Hakemli Dergi)
- XV. **On Weak Biharmonic Generalized Rotational Surfaces in E<sup>4</sup>**  
Harmanlı M., Arslan K., Bulca B.  
Journal of Universal Mathematics, cilt.2, sa.2, ss.166-174, 2019 (Hakemli Dergi)
- XVI. **Euclidean Curves with Incompressible Canonical Vector Field**  
Arslan K., Aydın Y., Demirbaş E., Yazla A.  
Adıyaman Üniversitesi Fen Bilimleri Dergisi, cilt.8, sa.2, ss.70-82, 2018 (Hakemli Dergi)
- XVII. **CONSTANT RATIO CURVES IN MINKOWSKI 3-SPACE E<sup>3</sup>\_1**  
Öztürk G., Arslan K., Kişi İ.  
Matematıcki Bilten, cilt.42, sa.2, ss.49-60, 2018 (Hakemli Dergi)
- XVIII. **Conchoid curves and surfaces in Euclidean 3-Space**  
BULCA B., Oruç S. N., ARSLAN K.  
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- XIX. **On Total Shear Curvature of Surfaces in E<sup>{n}</sup>**  
BULCA B., ARSLAN K.  
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- XX. **Rotational surfaces in higher dimensional Euclidean spaces**  
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- XXI. **A Characterization of Involutives and Evolutives of a Given Curve in E-n**  
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KYUNGPOOK MATHEMATICAL JOURNAL, cilt.58, sa.1, ss.117-135, 2018 (ESCI)
- XXII. **ON TZITZEICA CURVES IN EUCLIDEAN 3-SPACE E-3**  
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- XXIII. **On Convolution Surfaces in Euclidean 3-Space**  
Aydöner S., Arslan K.  
Journal of mathematical sciences and modelling (Online), cilt.1, sa.2, ss.86-92, 2018 (Hakemli Dergi)
- XXIV. **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)
- XXV. **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)
- XXVI. **A new characterization of curves in euclidean 4-space  $E_{sup>4/sup>}$**   
Öztürk G., Gürpınar S., Arslan K.  
BULETINUL ACADEMIEI DE ŞTIINTE A REPUBLICII MOLDOVA. MATEMATICA, cilt.83, ss.39-50, 2017 (Scopus)
- XXVII. **On Generalized Spherical Surfaces in Euclidan Space**  
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- XXX. **Canal surfaces in 4-dimensional Euclidean space**  
 BULCA B., ARSLAN K., BAYRAM B., ÖZTÜRK G.  
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- XXXI. **Surface pencils in Euclidean 4-space  $E^4$**   
 BULCA B., ARSLAN K.  
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- XXXII. **On translation surfaces in 4-dimensional Euclidean space**  
 ARSLAN K., Bayram B., BULCA B., Ozturk G.  
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- XXXIII. **Mixed Product Surfaces in  $E^4$**   
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