

Prof. Ayhan Sarioğlu

Personal Information

Email: ayhans@omu.edu.tr

Web: <https://avesis.omu.edu.tr/ayhans>

Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1991 - 1994

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1988 - 1991

Undergraduate, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Turkey 1984 - 1988

Dissertations

Doctorate, Hiperinvers yüzeylerin bazı karakteristik özellikleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), 1994

Postgraduate, Üç boyutlu öklid uzayı E^3 de pedal eğrileri ve pedal yüzeylerinin bazı özellikleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1991

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2008 - Continues

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1998 - Continues

Advising Theses

Ayhan S., Dual uzayda paralel equidistant regle yüzeyler, Doctorate, S.GÜR(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On Relaxed Elastic Lines of the Second Type on an Oriented Surface in the Galilean Space $G(3)$**
Sarioğlu A., Stachel H., Tutar A.
RESULTS IN MATHEMATICS, vol.71, no.3-4, pp.955-982, 2017 (SCI-Expanded)
- II. **Relaxed elastic lines of second kind on oriented surface in Minkowski space**
Tutar A., Sarioğlu A.
APPLIED MATHEMATICS AND MECHANICS-ENGLISH EDITION, vol.27, no.11, pp.1481-1489, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **GEOMETRY OF THE FOCAL SURFACES OF THE INVERSE SURFACE OF A REGULAR SURFACE IN E^3**
Fidan M., SARIOĞLUĞİL A.

JOURNAL OF SCIENCE AND ARTS, vol.22, no.3, pp.571-592, 2022 (Peer-Reviewed Journal)

- II. **ON INVERSE OF A REGULAR SURFACE WITH RESPECT TO THE UNIT SPHERE S^2 IN E^3**
Tul S., Bayar F., Sarioğlugil A.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.171-198, 2021 (ESCI)
- III. **RELATIONS BETWEEN THE FRAMES OF A CURVE AND ITS PEDAL IN E^3**
Bayar F., Tul S., Sarioğlugil A.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.23-40, 2019 (ESCI)
- IV. **CONNECTION PRESERVING MAPS AND SOME APPLICATIONS**
BAYAR F., SARIOĞLUGİL A.
Hadronic Journal, vol.40, no.1, pp.85-95, 2017 (Peer-Reviewed Journal)
- V. **THE DISCRIMINANT OF THE SECOND FUNDAMENTAL FORMS UNDER CONNECTION PRESERVING MAP**
Bayar F., Sarioğlugil A.
JOURNAL OF SCIENCE AND ARTS, no.4, pp.665-672, 2017 (ESCI)
- VI. **THE EVOLUTE SURFACE OF A SURFACE WHICH PARAMETER LINES ARE LINES OF CURVATURE IN E^4**
Tul S., Sarioğlugil A.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.275-284, 2017 (ESCI)
- VII. **ON THE NORMAL CURVATURES OF HYPERSURFACES UNDER THE CONFORMAL MAPS**
Bayar F., Sarioğlugil A.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.195-200, 2016 (ESCI)
- VIII. **ON INTEGRAL INVARIANTS OF RULED SURFACES GENERATED BY THE DARBOUX FRAMES OF THE TRANSVERSAL INTERSECTION CURVE OF TWO SURFACES IN E^3**
As E., Sarioğlugil A.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.111-128, 2016 (ESCI)
- IX. **On the pedal surfaces of 2 d surfaces with the constant support function in E^4**
AS E., SARIOĞLUGİL A.
PURE MATHEMATICAL SCIENCES, 2015 (Peer-Reviewed Journal)
- X. **On relaxed elastic lines of second kind on a curved hypersurface in the n-dimensional euclidean space**
Sarioğlugil A., Tutar A., Stachel H.
Journal for Geometry and Graphics, vol.18, no.1, pp.81-95, 2014 (Scopus)
- XI. **Mannheim partner curves in 3-dimensional Heisenberg group**
Tul S., Sarioğlugil A.
International Journal of Physical Sciences, vol.6, no.36, pp.8093-8096, 2011 (Scopus)
- XII. **The Pedal Cone Surface of A Develobable Ruled Surface**
KASAP E., SARIOĞLUGİL A., KURUOĞLU N.
International Journal of Pure and Applied Mathematics, 2005 (Peer-Reviewed Journal)
- XIII. **On the characteristic properties of the reciprocal surfaces in the Euclidean space**
SARIOĞLUGİL A., KURUOĞLU N.
International Journal of Applied Math, 2002 (Peer-Reviewed Journal)
- XIV. **On the characteristic properties of the hyperpedal surfaces in $n+1$ dimensional Euclidean space**
SARIOĞLUGİL A., KURUOĞLU N.
Pure and Applied Matematika Science, 2002 (Peer-Reviewed Journal)
- XV. **On the some new characteristic properties of the reciprocal hypersurface with constant support function in $n+1$ dimensional Euclidean space**
SARIOĞLUGİL A., KURUOĞLU N.
Bulletin of Pure and Applied Science, no.19E, 2000 (Peer-Reviewed Journal)
- XVI. **On the some new characteristic properties of the a-pedal hypersurface of a hypersurface with the constant support function in $(n+1)$ -dimensional euclidean space E^{n+1}**
KURUOĞLU N., SARIOĞLUGİL A.
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, vol.47, no.1-2, pp.19-26, 1998 (Peer-Reviewed Journal)

- XVII. **On the some new characteristic properties of the a pedal hypersurface of a hypersurface with the constant support function in $n + 1$ dimensional Euclidean space**
 SARIOĞLUGİL A., KURUOĞLU N.
 Communications Faculty of Sciences University of Ankara, vol.47, no.A1, 1998 (Peer-Reviewed Journal)
- XVIII. **On the characteristic properties of the plane pedal curves**
 SARIOĞLUGİL A., KURUOĞLU N., ÇALIŞKAN M.
 Pure and Applied Mathematika Sciences, vol.40, no.1-2, 1994 (Peer-Reviewed Journal)
- XIX. **On the characteristic properties of the a pedal surfaces in the Euclidean space**
 KURUOĞLU N., SARIOĞLUGİL A.
 Communications Faculty of Sciences University of Ankara, vol.42, no.A1, pp.19-25, 1993 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **THE DISCRIMINANT OF THE SECOND FUNDAMENTAL FORMS UNDER CONNECTION PRESERVING MAP**
 BAYAR F., SARIOĞLUGİL A.
 COSTAS 2017, 9 - 11 November 2017
- II. **On Parallel Type Surfaces in E^4**
 Tul S., Sarioğlugil A.
 2nd International Conference on Mathematics, Engineering and Industrial Applications (ICoMEIA), Songkhla, Thailand, 10 - 12 August 2016, vol.1775