

## Personal Information

**Email:** otuncer@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/otuncer>

## International Researcher IDs

ORCID: 0000-0002-2916-1380

Publons / Web Of Science ResearcherID: ABE-4393-2021

ScopusID: 57191073757

Yoksis Researcher ID: 267164

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Singularities of focal sets of pseudo-spherical framed immersions in the three-dimensional anti-de Sitter space**  
TUNCER O. O.  
DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS, 2024 (SCI-Expanded)
- II. **Basic hypergeometric formulas and identities for negative degree  $q$ -Bernstein bases**  
TUNCER O. O., Simeonov P., Goldman R.  
Filomat, vol.38, no.8, pp.2941-2948, 2024 (SCI-Expanded)
- III. **On the uniqueness of the multirational blossom**  
TUNCER O. O., Simeonov P., Goldman R.  
Computer Aided Geometric Design, vol.107, 2023 (SCI-Expanded)
- IV. **On (contra)pedals and (anti)orthotomics of frontals in de Sitter 2-space**  
Li Y., TUNCER O. O.  
Mathematical Methods in the Applied Sciences, vol.46, no.9, pp.11157-11171, 2023 (SCI-Expanded)
- V. **Hyperbolic caustics of light rays reflected by hyperbolic front mirrors**  
TUNCER O. O., GÖK İ.  
European Physical Journal Plus, vol.138, no.3, 2023 (SCI-Expanded)
- VI. **Symmetrization of the product of Hermitian operators**  
YURDUŞEN İ., TUNCER O. O.  
COMPUTER PHYSICS COMMUNICATIONS, vol.274, 2022 (SCI-Expanded)
- VII. **Generalized tubes in pseudo-Galilean 3-space: Split semi-quaternionic representations and an application to magnetic flux tubes**  
TUNCER O. O.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.45, no.3, pp.1468-1487, 2022 (SCI-Expanded)
- VIII. **Kinematic equations of Lorentzian magnetic flux tubes based on split quaternion algebra**  
ÖZDEMİR Z., TUNCER O. O., GÖK İ.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.136, no.9, 2021 (SCI-Expanded)
- IX. **Superintegrable systems with spin and second-order tensor and pseudo-tensor integrals of motion**  
YURDUŞEN İ., TUNCER O. O., Winternitz P.  
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, vol.54, no.30, 2021 (SCI-Expanded)
- X. **Notes on pedal and contrapedal curves of fronts in the Euclidean plane**  
TUNCER O. O., Ceyhan H., GÖK İ., Ekmekci F. N.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, no.13, pp.5096-5111, 2018 (SCI-Expanded)
- XI. **Circular Surfaces with Split Quaternionic Representations in Minkowski 3-space**

TUNCER O. O., Canakci Z., GÖK İ., Yaylı Y.

ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.28, no.3, 2018 (SCI-Expanded)

**XII. Some new types of associated curves in Euclidean 3-space**

Ozdogan S., TUNCER O. O., GÖK İ., YAYLI Y.

ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.26, no.1, pp.205-221, 2018 (SCI-Expanded)

**XIII. A New Representation of Canal Surfaces with Split Quaternions in Minkowski 3-Space**

Kocakusakli E., Tuncer O. O., Gok I., Yayli Y.

ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1387-1409, 2017 (SCI-Expanded)

## Articles Published in Other Journals

**I. Pedal curves of hyperbolic frontals and their singularities**

TUNCER O. O., GÖK İ.

JOURNAL OF GEOMETRY, no.3, 2024 (ESCI)

**II. The construction of circular surfaces with quaternions**

Canakci Z., TUNCER O. O., GÖK İ., YAYLI Y.

ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.12, no.7, 2019 (ESCI)

## Scientific Refereeing

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, January 2021

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, July 2019

MEDITERRANEAN JOURNAL OF MATHEMATICS, SCI Journal, January 2019

Applied Mathematics E-notes, Journal Indexed in ESCI, December 2018

Commun. Fac. Sci. Univ. Ank. Ser. A1: Mathematics and Statistics, Journal Indexed in ESCI, October 2018

Commun. Fac. Sci. Univ. Ank. Ser. A1: Mathematics And Statistics, Journal Indexed in ESCI, December 2017

## Metrics

Publication: 15

Citation (WoS): 48

Citation (Scopus): 85

H-Index (WoS): 4

H-Index (Scopus): 6

## Scholarships

2211/A Genel Yurt İçi Doktora Burs Programı, TÜBİTAK, 2016 - 2020