

Personal Information

Email: tunabayrakdar@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/tunabayrakdar>

Research Areas

Mathematics, Differential Geometry, Global Analysis, Analysis on Manifolds, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Minimal Surfaces in Three-Dimensional Riemannian Manifold Associated with a Second-Order ODE**
Bayrakdar T., ERGİN A. A.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.15, no.4, 2018 (SCI-Expanded)
- II. **Burgers' Equations in the Riemannian Geometry Associated with First-Order Differential Equations**
Bayrakdar Z. O., Bayrakdar T.
ADVANCES IN MATHEMATICAL PHYSICS, vol.2018, 2018 (SCI-Expanded)
- III. **Equivalence problem for compatible bi-Hamiltonian structures on three-dimensional orientable manifolds**
Bayrakdar T., ERGİN A. A.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.5, pp.2452-2465, 2018 (SCI-Expanded)
- IV. **Motion of an integral curve of a Hamiltonian dynamical system and the evolution equations in 3D**
Bayrakdar T., ERGİN A. A.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.14, no.12, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **TIME-LIKE HAMILTONIAN DYNAMICAL SYSTEMS IN MINKOWSKI SPACE $R^{-1}(3)$ AND THE NONLINEAR EVOLUTION EQUATIONS**
Bayrakdar T., ERGİN A. A.
MATEMATICKI VESNIK, vol.70, no.1, pp.12-25, 2018 (ESCI)
- II. **HAMILTONIAN DYNAMICAL SYSTEMS AND GEOMETRY OF SURFACES IN 3-D**
Bayrakdar T., ERGİN A. A.
JOURNAL OF DYNAMICAL SYSTEMS AND GEOMETRIC THEORIES, vol.15, no.2, pp.163-176, 2017 (ESCI)
- III. **A QUATERNIONIC APPROACH to GEOMETRY of CURVES on SPACES of CONSTANT CURVATURE**
BAYRAKDAR T., ERGİN A. A.
International Journal of Geometry, no.3, pp.53-65, 2014 (Peer-Reviewed Journal)

Metrics

Publication: 7

Citation (WoS): 6

Citation (Scopus): 2

H-Index (WoS): 2

H-Index (Scopus): 1