Vahid Pirhadi

Curriculum Vitae

Kashan, Iran
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Education

PhD, Department of Mathematics and Computer Science, Amirkabir University of Technology, Tehran, Iran.
Supervisor: Dr. Assadolah Razavi & Dr. Morteza Mir Mohammad Rezaii.

MSc, Department of Mathematics and Computer Science, Amirkabir University of Technology, Tehran, Iran.
Supervisor: Dr. Assadolah Razavi.

BSc, Department of Mathematical Science, Arak University, Arak, Iran.

Research Interests

Contact Geometry
Riemannian Geometry
Ricci Flow
Yamabe Flow
Riemannian Submanifolds
Ricci and Yamabe Solitons
Eigenvalues of Laplacian Operator

Publication

2021 **Pirhadi, Vahid,** Covariant Derivative of the Curvature Tensor of Kenmotsu Manifolds. Bulletin of the Iranian Mathematical Society

2020 **Pirhadi, Vahid,** A xi-projectively flat connection on Kenmotsu manifolds, Mathematical Analysis and Convex Optimization.

2019 **Pirhadi, Vahid** & **Assadolah Razavi**, Integrability of Transitive Jacobi Manifolds, IRAN J SCI TECHNOL A.

2017 **Pirhadi, Vahid** & **Assadolah Razavi**, On the almost quasi-Yamabe solitons. International Journal of Geometric Methods in Modern Physics

2015 **Pirhadi, Vahid** & **Assadolah Razavi**, Ricci flow on contact manifolds. Siberian Mathematical Journal

2023 **Ghodratalah Fasihi-Ramandi & Shahrood Azami**, **Pirhadi, Vahid,** Generalized Lorentz Ricci solitons on 3-dimensional Lie groups associated to Bott Connection

2023 **Pirhadi, Vahid, Ghodratalah Fasihi-Ramandi & Shahrood Azami**, Generalized Ricci Solitons on Three-Dimensional Lorentzian Walker Manifolds. Journal of Nonlinear Mathematical Physics

2023 **Shahrood Azami, Ghodratalah Fasihi-Ramandi & Pirhadi, Vahid** Generalized Ricci Solitons on Non-reductive Four-Dimensional Homogeneous Spaces. Journal of Nonlinear Mathematical Physics

2023 **Pirhadi, Vahid, Ghodratalah Fasihi-Ramandi & Shahrood Azami**, Generalized weakly symmetric Sasakian manifolds

2022 **Shahrood Azami, Pirhadi, Vahid & Ghodratalah Fasihi-Ramandi**, Complete shrinking Ricci–Bourguignon harmonic solitons

2023 **Shahrood Azami, Ghodratalah Fasihi-Ramandi & Pirhadi, Vahid** Generalized hyperbolic geometric flow

2022 **Ghodratalah Fasihi-Ramandi , Pirhadi, Vahid, & Shahrood Azami**, Metric-Affine Gravity and the Geometric Nature of Matter

2024 **Ghodratalah Fasihi-Ramandi , Shahrood Azami**, **Pirhadi, Vahid,** Generalized Lorentz Ricci solitons on -dimensional Lie groups associated to Bott connection

2025 **Pirhadi, Vahid, Ghodratalah Fasihi-Ramandi & Shahrood Azami**, Ricci Solitons and Generalized Ricci Solitons Whose Potential Vector Fields Are Jacobi Type

Awards and Honors

1st Rank, Achieving the highest GPA among all university Mathematics graduate students (Arak University).
Top student, Arak University awarded me the top student award.
2st Rank, Achieving the highest GPA among all university Mathematics students (Amirkabir University of Technology).
Top student, Top MSc student of Amirkabir University of Technology.
Top student, Top PhD student of Amirkabir University of Technology.

Languages

Persian	**Mother Tongue**
English	**Fluent**
Arabic	**Moderate**

Computer Skills

Programming Languages	MATLAB, Maple
Type Setting	LATEX, Microsoft Office

Teaching Experiences

Calculus 1, Department of Mathematical Science, Kashan University.
Calculus 2, Department of Mathematical Science, Kashan University.

Elementary Differential Equations, Department of Mathematical Science, Kashan University.

Engineering Mathematics, Department of Engineering, Kashan University.

Basics of Combinations, Department of Mathematical Science, Kashan University.

Manifold 1, Department of Mathematical Science, Kashan University.

Manifold 2, Department of Mathematical Science, Kashan University.

Riemannian Manifolds, Department of Mathematical Science, Kashan University.

Elementary Differential Geometry, Department of Mathematical Science, Kashan University.

Elementary Topology, Department of Mathematical Science, Kashan University.