

List of Journal Publications (Indexed by ISI-JCR):

1. M. Yousaf, **H. Asad(C.A)**, A. Rehman, M. R. Shahzad, Javlon Rayimbaev, and Erkaboy Davletov, Imprints of global monopole charge on the stability and energy conditions of traversable wormholes in $f(R)$ gravity, *Physics of the Dark Universe*, **50**, 102123(2025).
2. **H. Asad**, M. Yousaf, U. Zafar, Javlon Rayimbaev, and Adilbek Dauletov, Traversable Wormholes in $f(R)$ Gravity: Influence of Global Monopole Charge and Energy Conditions. *Fortschritte der Physik / Progress of Physics*, **73** e70034(2025).
3. M. Yousaf, A. Rehman, MMM Nasir, S. Hanif, **H. Asad(C.A)**, Effects of minimally coupled modified gravity on the gravitational collapse of compact matter structures, *Communications in Theoretical Physics*, **78** 025407(2025).
4. M. Yousaf, **H. Asad(C.A)**, M. Aslam, Implications of modified Gauss-Bonnet gravity on gravastar-like structures: High-energy stability and electromagnetic effects, *High Energy Density Physics*, **57**, 101221(2025).
5. M. Yousaf, **H. Asad(C.A)**, A. Rehman, Dynamical Evolution of Self-gravitating Compact Fluid with Hyperbolic Corrections, *Physics of the Dark Universe*, **48**, 101888(2025).
6. M. Yousaf, **H. Asad(C.A)**, Impact of Modified Chaplygin Gas on Electrically Charged Thin-Shell Wormhole Models, *Physics of the Dark Universe*, **48**, 101841(2025).
7. Z. Yousaf, **H. Asad**, Mansoor Alshehri, T. Suzuki, and M. Z. Bhatti. Electromagnetic field and spatially hyperbolic spacetime models. *International Journal of Geometric Methods in Modern Physics*, 2550145 (2025).
8. Z. Yousaf, M. Z. Bhatti, **H. Asad**, Y. Hashimoto, K. Bamba. Orthogonal splitting in degenerate higher-order scalar-tensor theories. *International Journal of Geometric Methods in Modern Physics*, **22**, 2540010 (2025).
9. M. Yousaf, **H. Asad(C.A)**, B. Almutairi, S. Hasan, A. S. Khan. Fuzzy black hole models in $f(G)$ Gravity. *Physica Scripta*, **99**, 115270(2024).
10. **H. Asad**, M. Yousaf, Bander Almutairi, Laiba Zahid, A. S. Khan. Evolution of Non-Static Fluid for Irreversible Gravitational Radiation in Palatini $F(R)$ Gravity. *Physics of the Dark Universe*, **46**, 101666(2024).
11. Z. Yousaf, M.Z. Bhatti, **H. Asad**, Analytical models of hyperbolic gravitational sources. *International Journal of Modern Physics D*, **32**, 2350089(2023).
12. Z. Yousaf, **H. Asad**, B. Almutairi, A. Malik, Electromagnetic Effects on Anisotropic Expansion-Free Fluid Content. *Communications in Theoretical Physics*, **75**, 105202(2023).
13. **H. Asad**, Z. Yousaf, Study of anisotropic fluid distributed hyperbolically in $f(R, T, Q)$ gravity. *Universe*, **8**, 630(2022).
14. Z. Yousaf, M.Z. Bhatti, **H. Asad**, Electromagnetic effects on cylindrical gravastar-like strings in $f(R, T, R\sigma\eta T\sigma\eta)$ gravity. *International Journal of Geometric Methods in Modern Physics*, **19**, 2250070(2022).
15. Z. Yousaf, M.Z. Bhatti, **H. Asad**, Matter–curvature gravity modification and the formation of cylindrical isotropic systems. *Pramana*, **96**, 1(2022).
16. Z. Yousaf, M.Z. Bhatti, **H. Asad**, Consequences of electric charge on anisotropic hyperbolically symmetric static spacetime. *Physica Scripta*, **97**, 055304(2022).
17. Z. Yousaf, G. G. L. Nashed, M.Z. Bhatti, **H. Asad**, Significance of Charge on the Dynamics of Hyperbolically Distributed Fluids. *Universe*, **8**, 337(2022).
18. Z. Yousaf, M.Z. Bhatti, **H. Asad**, Hyperbolically symmetric sources in $f(R, T)$ gravity. *Annals of Physics*, **437**, 168753(2022).
19. Z. Yousaf, M.Z. Bhatti, M. Khlopov, **H. Asad**, A comprehensive analysis of hyperbolic fluids in modified gravity. *Entropy*, **24**, 150(2022).
20. Z. Yousaf, M. Khlopov, M.Z. Bhatti, **H. Asad**, Hyperbolically symmetric static charged cosmological fluid models. *Monthly Notices of the Royal Astronomical Society*, **510**, 4100(2022).
21. Z. Yousaf, M.Z. Bhatti, **H. Asad**, Gravastars in $f(R, T, R\mu\nu T\mu\nu)$ gravity *Physics of the Dark Universe*, **28**, 100527(2020).