

## **List of Publications (Dr. Muhammad Zaeem ul Haq Bhatti)**

1. M. Sharif and M.Z. Bhatti: Structure Scalars for Charged Cylindrically Symmetric Relativistic Fluids, *Gen. Relativ. Gravit.* 44(2012)2811 (Springer).
2. M. Sharif and M.Z. Bhatti: Structure Scalars in Charged Plane Symmetry, *Mod. Phys. Lett. A* 27(2012)1250141 (World Scientific).
3. M. Sharif and M.Z. Bhatti: Gravitational Binding Energy in Charged Cylindrical Symmetry, *Can. J. Phys.* 90(2012)1233 (NRS Research Press).
4. M. Sharif and M.Z. Bhatti: Effects of Electromagnetic Field on Shearfree Spherical Collapse, *Astrophys. Space. Sci.* 347(2013)337 (Springer).
5. M. Sharif and M.Z. Bhatti: Stability of the Expansion-free Charged Cylinder, *J. Cosmol. Astropart. Phys.* 10(2013)056 (IOP, UK).
6. M. Sharif and M.Z. Bhatti: Stability Analysis of Restricted Non-Static Axial-Symmetry, *J. Cosmol. Astropart. Phys.* 11(2013)014 (IOP, UK).
7. M. Sharif and M.Z. Bhatti: Charged Static Axial Symmetric Solutions and Scalar Structures, *Astrophys. Space. Sci.* 349(2014)995 (Springer).
8. M. Sharif and M.Z. Bhatti: Stability of the Charged Radiating Cylinder, *Phys. Lett. A* 378(2014)469 (Elsevier).
9. M. Sharif and M.Z. Bhatti: On the Stability of a Class of Radiating Viscous SelfGravitating Stars with Axial Symmetry, *Astropart. Phys.* 56(2014)35 (Elsevier).
10. M. Sharif and M.Z. Bhatti: Shearfree and Cavity Models with Plane Symmetry, *Astrophys. Space Sci.* 352(2014)883 (Springer).
11. M. Sharif and M.Z. Bhatti: Radiating Collapsing Relativistic Models, *Phys. Scr.* 89(2014)084004 (IOP, UK).
12. M. Sharif and M.Z. Bhatti: Effects of Some Physical Factors on the Inhomogeneity in Planar Symmetry, *Mod. Phys. Lett. A* 29(2014)1450094 (World Scientific).
13. M. Sharif and M.Z. Bhatti: Electromagnetic Effects on the Inhomogeneity of Planar Symmetry, *Mod. Phys. Lett. A* 29(2014) 1450129 (World Scientific).
14. M. Sharif and M.Z. Bhatti: Effects of Some Physical Factors on the Stability of Collapsing Stars, *Int. J. Mod. Phys. D* 23(2014)1450085 (World Scientific).
15. M. Sharif and M.Z. Bhatti: Dynamics and Stability of Charged Spherical Star with Tilted and Non-Tilted Congruences, *Mod. Phys. Lett. A* 29(2014)1450165 (World Scientific).
16. M. Sharif and M.Z. Bhatti: Stability Analysis of Expansion-free Charged Planar Geometry, *Astrophys. Space Sci.* 355(2015)289 (Springer).
17. M. Sharif and M.Z. Bhatti: Structure Scalars and Super-Poynting Vector of Tilted Szekeres Geometry, *Int. J. Mod. Phys. D* 24(2015)1550014 (World Scientific).
18. M. Sharif and M.Z. Bhatti: Dynamics of Charged Planar Geometry in Tilted and Non-Tilted Frames, *J. Exp. Theor. Phys.* 120(2015)813 (Springer).

19. M. Sharif and M.Z. Bhatti: Role of Bulk Viscosity and Electromagnetic Field on the Stability of Collapsing Cylinder, *Int. J. Theor. Phys.* 54(2015)2921 (Springer).
20. M. Sharif and M.Z. Bhatti: Stability Analysis of Axial Reflection Symmetric Spacetime, *Mon. Not. R. Astron. Soc.* 455(2015)1015 (Oxford University Press).
21. Z. Yousaf and M.Z. Bhatti: Electromagnetic Field and Cylindrical Compact Objects in Modified Gravity, *Mon. Not. R. Astron. Soc.* 458(2016)1785 (Oxford University Press).
22. Z. Yousaf, K. Bamba and M.Z. Bhatti: Influence of Modification of Gravity on the Dynamics of Radiating Spherical Fluids, *Phys. Rev. D* 93(2016)064059 (American Physical Society).
23. M.Z. Bhatti and Z. Yousaf: Influence of Electric Charge and Modified Gravity on Density Irregularities, *Eur. Phys. J. C* 76(2016)219 (Springer).
24. Z. Yousaf and M.Z. Bhatti: Cavity Evolution and Instability Constraints of Relativistic Interiors, *Eur. Phys. J. C* 76(2016)267 (Springer).
25. M. Sharif and M.Z. Bhatti: Binding Energy in Self-gravitating Charged Plane Symmetric Systems, *Chin. J. Phys.* 54(2016)451 (Elsevier).
26. Z. Yousaf, K. Bamba and M.Z. Bhatti: Causes of Irregular Energy Density in  $f(R,T)$  Gravity, *Phys. Rev. D* 93(2016)124048 (American Physical Society).
27. M.Z. Bhatti, Shear-Free Stellar Solutions in  $\Lambda$ -Dominated Era, *Eur. Phys. J. Plus* 131(2016)428 (Springer).
28. M.Z. Bhatti and Z. Yousaf: Dynamical Variables and Evolution of the Universe, *Int. J. Mod. Phys. D* 26(2017)1750029 (World Scientific).
29. M.Z. Bhatti and Z. Yousaf: Gravitational Collapse and Dark Universe with LTB Geometry, *Int. J. Mod. Phys. D* 26(2017)1750045 (World Scientific).
30. Z. Yousaf, M.Z. Bhatti and Ume Farwa: Stability of Compact Stars in  $\alpha R^2 + \beta(R\gamma\delta - T\gamma\delta)$  Gravity, *Mon. Not. R. Astron. Soc.* 464(2017)4509 (Oxford University Press).
31. Z. Yousaf, K. Bamba and M.Z. Bhatti: Role of Tilted Congruence and  $f(R)$  Gravity on Regular Compact Objects, *Phys. Rev. D* 95(2017)024024 (American Physical Society).
32. M.Z. Bhatti, Z. Yousaf and Sonia Hanif: Stability of Anisotropic Compact Objects in  $f(T)$  Gravity, *Mod. Phys. Lett. A*, accepted for publication (World Scientific).