

## **LIST OF PUBLICATIONS** **MUHAMMAF SHARIF (TI)**



**M.Phil. Dissertation:** *Transmission of Elastic Wave through a Random Layer*  
(Quaid-i-Azam University 1987).

**Ph.D. Thesis:** *Forces in Non-Static Spacetimes* (Quaid-i-Azam University 1991).

### **PUBLISHED:**

#### **1989**

1. *Filtration of SH-wave through a Trapped Random Layer:* F.D. Zaman, S. Asghar and **M. Sharif**, *Bullettino di Geofisica Teorica ed Applicata*, XXXI.N.122 (1989)91-96 (**Italy**).

#### **1992**

2. *Transmission of Obliquely Incident wave through a Random Layer:* F.D. Zaman, S. Asghar and **M. Sharif**, *J. Nigerian Mathematical Society* **11**(1992)21-28 (**Nigeria**).
3. *The Relativistic Generalisation of the Gravitational Force for Arbitrary Spacetimes:* A. Qadir and **M. Sharif**, *Nuovo Cimento B* **107**(1992)1071-1083 (**Italy**).
4. *General Formula for the Momentum Imparted to Test Particles in Arbitrary Spacetimes:* A. Qadir and **M. Sharif**, *Phys. Lett. A* **167**(1992)331-334 (**Springer**).

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5. *Comments on Torsion, Massive Electrodynamics and Gravitation induced by Scalar Fields:* **M. Sharif**, *Astrophys. Space Sci.* **238**(1996)309-310 (**Springer**).

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6. *Spin Angular Momentum Imparted by Gravitational Waves:* **M. Sharif**, *Astrophys. Space Sci.* **253**(1997)195-198 (**Springer**).

#### **1999**

7. *Energy in Gravitational Waves:* **M. Sharif**, *J. Natural Sciences and Mathematics* **39**(1999)7-15 (**Pakistan**).
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11. *Cylindrically Symmetric, Static, Perfect Fluid Solutions of Einstein's Field Equations:* **M. Sharif**, *J. Korean Physical Society* **37**(2000)624-625 (**S. Korea**).

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12. *Force and Momentum in an Evolving Axisymmetric Universe Model:* **M. Sharif**, *Chinese J. Physics* **39**(2001)137-140 (**China**).
13. *Effects of Force and Energy in an Evolving Universe with a Gravitational Source:* **M. Sharif**, *Chinese J. Physics* **39**(2001)236-242 (**China**).
14. *Matter Collineations of some Well-Known Spacetimes:* **M. Sharif**, *Nuovo Cimento B* **116**(2001)673-688 (**Italy**).
15. *Rotating Frames in SRT: The Sagnac Effect and Related Issues:* W.A. Rodrigues Jr. and **M. Sharif**, *Foundations of Physics* **31**(2001)1767-1783 (**USA**).
16. *Equivalence Principle and the Principle of Local Lorentz Invariance:* W.A. Rodrigues Jr. and **M. Sharif**, *Foundations of Physics* **31**(2001)1785-1806 (**USA**).
17. *Matter Collineations of Some Static Spherically Symmetric Spacetimes:* **M. Sharif**, *Astrophys. Space Sci.* **278**(2001)447-455 (**Springer**).
18. *Momentum Imparted by Gravitational Waves with Spherical Wavefronts:* **M. Sharif**, *Nuovo Cimento B* **116**(2001)1311-1316 (**Italy**).

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19. *Energy and Momentum of a Class of Rotating Gravitational Waves:* **M. Sharif**, *Int. J. Mod. Phys. A* **17**(2002)1175-1182 (**World Scientific**).
20. *Corrigenda: Equivalence Principle and the Principle of Local Lorentz Invariance* W.A. Rodrigues Jr. and **M. Sharif**, *Foundations of Physics* **32**(2002)811-812 (**USA**).

21. *Non-Static Spherically Symmetric Perfect Fluid Solutions*: **M. Sharif** and T. Iqbal, Chinese J. Physics **40**(2002)242-250 (**China**).
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24. *Matter Collineations in Kantowski-Sachs, Bianchi Types I and III Spacetimes*: U. Camci and **M. Sharif**, Gen. Relativ. Gravit. **35**(2003)97-109 (**Springer**).
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26. *Matter Collineations of Spacetime Homogeneous Gödel-Type Metrics*: U. Camci and **M. Sharif**, Class. Quantum Grav. **20**(2003)2169-2179 (**IOP, UK**).
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1. *Relativistic Models for Strange Stars in Massive Brans-Dicke Gravity: M. Sharif and Amal Majid, accepted for publication in Astronomy Reports (Springer).*
2. *Dynamical Stability of Gravastars Covered with ABG Black Holes: M. Sharif and Faisal Javed, accepted for publication in J. Exp. Theor. Phys. 132(2021) (Springer).*
3. *Effects of  $f(\mathcal{R}, \mathcal{T}, \mathcal{R}_{\gamma\epsilon})$  Gravity on Anisotropic Charged Compact Structures: M. Sharif and Tayyab Naseer, accepted for publication in Chinese J. Phys. (2021) (Elsevier).*
4. *Compact Objects by Gravitational Decoupling in  $f(R)$  Gravity: M. Sharif and Mariyah Aslam, accepted for publication in Eur. Phys. J. C.*

**PREPRINTS:**

1. *Stable Bounded Excursion Gravastars with Regular Black Holes: M. Sharif and Faisal Javed, submitted for publication.*
2. *Stellar Structures admitting Noether Symmetries in  $f(\mathcal{R}, \mathcal{T})$  Gravity: M. Sharif and M. Zeeshan Gul, submitted for publication.*
3. *Charged Anisotropic Strange Stars in  $f(\mathcal{G}, \mathcal{T})$  Gravity: M. Sharif, Aroob Naeem and Amna Ramzan, submitted for publication.*
4. *Anisotropic Solutions through Decoupling in  $f(\mathbb{R}, T)$  Gravity: M. Sharif and Fizza Furqan, submitted for publication.*
5. *Decoupled Quark Stars in Self-interacting Brans-Dicke Gravity: M. Sharif and Amal Majid, submitted for publication.*
6. *Stability of  $d$ -dimensional Gravastars with Variable Equation of State: M. Sharif and Faisal Javed, submitted for publication.*
7. *Study of Stellar Structures in  $f(\mathcal{R}, \mathcal{T}_{\mu\nu})$  Theory: M. Sharif and M. Zeeshan Gul, submitted for publication.*
8. *Thermal Fluctuations, Quasi-normal Modes and Phase Transitions of Regular Black Holes: M. Sharif and Amjad Khan, submitted for publication.*
9. *Study of Anisotropic Compact Stars in  $f(R, T, R_{\rho\eta})$  Theory: M. Sharif and Tayyab Naseer, submitted for publication.*
10. *Role of Energy-Momentum Squared Gravity on the Dynamics of Charged Dissipative Plane Symmetric Collapse: M. Sharif and M. Zeeshan Gul, submitted for publication.*

11. *Effects of Non-linear Electrodynamics on Thermodynamics of Charged Black Hole: M. Sharif and Amjad Khan, submitted for publication.*
12. *Complexity for Dynamical Anisotropic Sphere in  $f(G,T)$  Gravity: M. Sharif and Komal Hassan, submitted for publication.*
13. *Gravastars in Energy-momentum Squared Gravity: M. Sharif and Saba Naz, submitted for publication.*
14. *Extended Decoupled Static Spherical Objects in  $f(\mathbb{R},T)$  Theory: M. Sharif and Fizza Furqan, submitted for publication.*
15. *Study of Anisotropic Polytropes in  $f(\mathcal{R},\mathcal{T})$  Theory: M. Sharif and M. Shafaqat, submitted for publication.*
16. *Extended Decoupled Anisotropic Solutions in  $f(\mathcal{R},\mathcal{T},\mathcal{R}_{\gamma\chi})\mathcal{T}^{\gamma\chi}$  Gravity: M. Sharif and T. Naseer, submitted for publication.*
17. *Complexity of Static Sphere in Energy-Momentum Squared Gravity: M. Sharif and Kamran Ahmad, submitted for publication.*
18. *Charged Anisotropic Decoupled Compact Objects in  $f(R)$  Gravity: M. Sharif and Mariyah Aslam, submitted for publication.*
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20. *Noether Symmetries and Anisotropic Universe in Energy-Momentum Squared Gravity: M. Sharif and M. Zeeshan Gul, submitted for publication.*
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22. *Greybody Factor for a Rotating Bardeen Black Hole by Perfect Fluid Dark Matter: M. Sharif and Sulaman Shaukat, submitted for publication.*
23. *Complexity of Dynamical Cylindrical System in  $f(G,T)$  Gravity: M. Sharif and Komal Hassan, submitted for publication.*

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