

## **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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#### **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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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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37. *Energy of a Regular Black Hole: M. Sharif*, Nuovo Cimento B **119**(2004)463-469 (**Italy**).
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### **2005**

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  51. *Teleparallel Versions of Friedmann and Lewis-Papapetrou Spacetimes: M. Sharif and M.J. Amir, Gen. Relativ. Gravit.* **38**(2006)1735-1745 (**Springer**).
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113. *Re-scaling of Energy in the Stringy Charged Black Hole Solutions using Approximate Symmetries:* **M. Sharif** and Saira Waheed, *Canadian J. Phys.* **88**(2010)833-839 (**Canada**).
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2. *Gravastars in Energy-momentum Squared Gravity*: **M. Sharif** and Saba Naz, submitted for publication.
3. *Extended Decoupled Static Spherical Objects in  $f(\mathbb{R}, T)$  Theory*: **M. Sharif** and Fizza Furqan, submitted for publication.
4. *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.
5. *Charged Anisotropic Decoupled Compact Objects in  $f(R)$  Gravity*: **M. Sharif** and Mariyah Aslam, submitted for publication.
6. *Impact of Charge on Gravastars in  $f(\mathbb{R}, \mathcal{T}^2)$  Gravity*: **M. Sharif** and Saba Naz, submitted for publication.
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8. *Scalar Field Cosmology via Noether Symmetries in Energy-Momentum Squared Gravity*: **M. Sharif** and M. Zeeshan Gul, submitted for publication.
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12. *Effects of Non-minimal Matter-geometry Coupling on Embedding Class-one Anisotropic Solutions*: **M. Sharif** and Tayyab Naseer, submitted for publication.
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