

LIST OF PUBLICATIONS
MUHAMMAD SHARIF (TI)
RESEARCH & PUBLICATIONS

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:

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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**).

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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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7. *Energy in Gravitational Waves*: **M. Sharif**, *J. Natural Sciences and Mathematics* **39**(1999)7-15 (**Pakistan**).
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12. *Force and Momentum in an Evolving Axisymmetric Universe Model:* **M. Sharif**, *Chinese J. Physics* **39**(2001)137-140 (**China**).
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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**).
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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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25. *Classification of Spherically Symmetric Static Spacetimes according to their Matter Collineations*: **M. Sharif** and S. Aziz, Gen. Relativ. Gravit. **35**(2003)1093-1106 (**Springer**).

26. *Matter Collineations of Spacetime Homogeneous Gödel-Type Metrics*: U. Camci and **M. Sharif**, Class. Quantum Grav. **20**(2003)2169-2179 (**IOP, UK**).

27. *Large Momentum Imparted by Gravitational Waves*: **M. Sharif**, Nuovo Cimento B **118** (2003)595-603 (**Italy**).

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49. *Timelike and Spacelike Matter Inheritance Vectors in Specific Forms of Energy-Momentum Tensor*: **M. Sharif** and U. Sheikh, Int. J. Mod. Phys. A **21**(2006)3213-3234 (**World Scientific**).

50. *A Classification of Plane Symmetric Kinematic Self-Similar Solutions*: **M. Sharif** and S. Aziz, J. Korean Physical Society **49**(2006)21-30 (**S. Korea**).
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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52. *Kinematic Self-Similar Plane Symmetric Solutions*: **M. Sharif** and S. Aziz, Class. Quantum Grav. **24**(2007)605-624 (**IOP, UK**).
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PREPRINTS:

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7. *Exact Solutions and Conserved Quantities in $f(R,T)$ Gravity*: **M. Sharif** and Iqra Nawazish, submitted for publication.
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