# List of Publications and Books by Department of Mathematics, Punjab University

**Year 2012**

01    Prof. Dr. Muhammad Sharif, **Quantum Corrections for ABGB Black Hole,** Astrophys. Space Sci. **337** (2012) 335-341.

02    Prof. Dr. Muhammad Sharif, **Phantom Energy Accretion by Stringy Charged Black Hole,** Chin. Phys. Lett. **29** (2012) 010401.

03    Prof. Dr. Muhammad Sharif, **Interacting Modified Holographic Dark Energy in Kaluza-Klein Universe,** Astrophys. Space Sci. **337** (2012) 789-794.

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05    Prof. Dr. Muhammad Sharif, **Anisotropic Universe Models in Brans-Dicke Theory,** Eur. Phys. J. C. **72** (2012) 1876.

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07    Prof. Dr. Muhammad Sharif, **Modified Holographic Dark Energy in Non-flat Kaluza-Klein Universe with Varying G,** Eur. Phys. J. C. **72** (2012) 1901.

08    Prof. Dr. Muhammad Sharif, **Non-Commutative Correction to Thin Shell Collapse in Reissner-Nordstrom *Geometry*,** J. Phys. Soc. Jpn. **81** (2012) 044002.

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18    Prof. Dr. Muhammad Sharif, **Isothermal Plasma Wave Properties of the Schwarzschild de Sitter Black Hole in a Veselago Medium,** Astrophys. Space Sci. **340** (2012) 185-198.

19    Prof. Dr. Muhammad Sharif, **Statefinder Diagnostic for Dark Energy Models in Bianchi I Universe,** Int. J. Mod. Phys. D **21** (2012) 1250046 .

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21    Prof. Dr. Muhammad Sharif, **Energy Content of Colliding Plane Waves using Approximate Noether Symmetries,** J. Phys.**42** (2012) 219-226.

22    Prof. Dr. Muhammad Sharif, **Dynamics of Magnetized Bulk Viscous Strings in Brans Dicke Gravity,** Int. J. Mod. Phys. D. **21** (2012) 1250055.

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30    Prof. Dr. Muhammad Sharif, **Non-Vacuum Static Cylindrically Symmetric Solution and Energy Distribution in f(R) Gravity,** Astrophys. Space Sci. **342** (2012) 237-243.

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54     Dr. Muhammad Aslam Malik and Muhammad Riaz, **Orbits of $Q*(\sqrt{k^2 m})$ under the action of the Modular Group PSL( 2, Z) ,** U. P. B. Sci. Bull, Series A, **74** (2012) 109-116.

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61    Dr. Muhammad Aslam Malik and M. Khalid Mahmood, **On Simple Graphs Arising Form Exponential Congruence,** Journal of Applied Mathematics, Article ID 292895, doi:10.1155/2012/292895 (2012).

62    Dr. Muhammad Aslam Malik, **Action of G and M on $Q(\sqrt{m}$ ) and Algorithmic Implementation for Group Actions,** Journal of Hyper structures, **1** (2012) 41-51.

63    Dr. Ghazala Akram, **Quartic Spline Solution of a Third Order Singularly Perturbed Boundary Value Problem,** ANZIAM Journal, **53** (2012) E44-E58.

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66    Daud Ahmad, **A Coons patch spanning a finite number of curves tested for variationally minimizing its area,** Journal: Abstract and Applied Analysis, http://dx.doi.org/10.1155/2013/645368

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68    Dr. Uzma Ahmad, **On the Heights of Power Diagraphs Modulo n,** Czeckoslovak. Math. J. 62 **137** (2012) 541-566.

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73    Prof. Dr. Shahid S. Siddiqi and Dr. Ghazala Akram, **Solution of Fourth Order Obstacle Problems Using Quintic B-Splines,** Applied Mathematical Sciences, 6 (2012) 4651-4662.

74    Prof. Dr. Shahid S. Siddiqi and Dr. Ghazala Akram, **Solution of Seventh Order Boundary Value Problems by Variational Iteration Technique,** Applied Mathematical Sciences, **6** (2012) 4663-4672.

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06    Prof. Dr. Muhammad Sharif, **Gravitational Perfect Fluid Collapse in f(R) Gravity,** Astrophys. Space Sci. **331** (2011) 281-288.

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08    Prof. Dr. Muhammad Sharif, **Anisotropic Fluid and Bianchi Type III Model in f(R) Gravity,** Phys. Lett. B **697** (2011) 1-6.

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10    Prof. Dr. Muhammad Sharif, **Gravitational Collapse Expanding and Collapsing Regions,** Gen. Relativ. Gravit. **43** (2011) 1179-1188.

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