

**Dr. Rashid Ali**  
**Associate Professor (TTS),**  
**Department of Physics, University of the Punjab, Lahore, Pakistan.**

**RESEARCH PAPERS**

1. Modulational stability of coupled helicon-acoustic waves in a piezoelectric semiconductor plasma, *J. Phys.: Condens. Matter*, 8, 1207 (1996), Ghazala Anwar, H. A. Shah and Rashid Ali.
2. Helicon solitons in a layered semiconductor plasma via Zakharov equations, *J. Phys.: Condens. Matter*, 9, 7583 (1997), Rashid Ali and H. A. Shah.
3. Model for electron heating in the solar wind, *Bulletin of Pure and Applied Sciences*, 18D, 61, (1999), Rashid Ali and H. A. Shah.
4. Density-wave propagation within layered high-temperature superconducting plasmas, *J. Phys.: Condens. Matter*, 12, 5857(2000), Rashid Ali and H. A. Shah.
5. Nonlinear density wave propagation in layered superconducting plasmas, *Physica Status Solidi (b)*, 221, No. 2, 693 (2000), Rashid Ali and H. A. Shah.
6. Parametric interaction in a sinusoidal periodic piezoelectric semiconductor structure, *Journal of Natural Science and Mathematics*, 47, Nos. 1&2, 1-10 (2007), Ghazala Anwar and Rashid Ali.
7. The magnetostatic surface waves in a layered (Dielectric/Magnetic/Conducting) waveguide structure, *Journal of Natural Science and Mathematics*, 47, Nos. 1&2, 11-23 (2007), Burhan Zamir and Rashid Ali.
8. Coupled Alfvén-Spin wave in a composite magnetic-semiconducting medium, *Chinese Journal of Physics*, 47, No. 3, 336 (2009), Muhammad Najam Shaikh and Rashid Ali.
9. Coupled nonlinear waves in a composite magnetic-semiconducting medium, *Physics Letters A*, 374, 2942 (2010), Muhammad Najam Shaikh, Rashid Ali, H.A. Shah and Uzma Noreen Chaudhary.
10. Coupled waves in the periodic composite magnetic-semiconducting media, *Progress In Electromagnetics Research M*, Vol. 18, 73 (2011), Muhammad Najam Shaikh and Rashid Ali.

11. Wave propagation in parallel-plate waveguides filled with nonlinear left-handed material, Chinese Physics B, Vol. 20, No.1, 014102 (2011), Burhan Zamir and Rashid Ali.
12. TE surface waves in a plasma sandwich structure, Acta Physica Polonica A, Vol. 127, No.6, 1625(2015), Muhammad Najam Shaikh, Burhan Zamir and Rashid Ali.
13. Soliton propagation in a magnetic-semiconducting medium, Modern Physics Letters B, Vol. 30, No.1, 1550256(2016), (published online 29 December 2015), Rashid Ali and H.A.Shah.
14. Nonlinear TE surface waves in a ferrite slab bounded by Kerr-type metamaterials, Journal of Nonlinear Optical Physics & Materials, 26, 1750028 (2017), Burhan Zamir and Rashid Ali.
15. Transverse electric surface waves in a plasma medium bounded by magnetic materials, Results in Physics, 8, 243 (2018), Rashid Ali, Burhan Zamir and H. A. Shah.
16. Characteristics of TE surface waves in a plasma medium bounded by nonlinear metamaterials, Journal of the Korean Physical Society, Vol. 72, No.10, 1166 (2018), Burhan Zamir and Rashid Ali.
17. Electromagnetic wave propagation in a superconducting parallel-plate waveguide filled with an indefinite-medium, Results in Physics, 13, 102312 (2019), Burhan Zamir, Rashid Ali and Muzaffar Bashir.

**under process**

18. Electromagnetic waves in a metamaterial-filled parallel-plate waveguide, Rashid Ali, Burhan Zamir and Muzaffar Bashir.