C.V.

Name : Rashid Ali

Present Position : Associate Professor (TTS), Department of Physics, University of the Punjab, Lahore, Pakistan.

ACADEMIC QUALIFICATION

Ph.D.	2002	Punjab University Lahore	Plasma Physics
M.Phil.	1993	Q.A.U. Islamabad	Plasma Physics
M.Sc.	1990	Punjab University Lahore	Physics (with electronics)
B.Sc.	1987	Punjab University Lahore	Maths. A & B, Physics
F.Sc.	1983	Lahore Board	Pre-Medical(with Addl. Maths.)
Matric.	1980	Lahore Board	With science subjects.

MEMBERSHIPS

Life Member Pakistan Institute of Physics (PIP).
Life Member Pakistan Physical Society (PPS).
Life Member Khwarzimic Science Society.(http://www.khwarzimic.org).

ADVISORY COMMITTEE

Member Advisory Committee, Urdu Science Board – Pakistan (May 2015 to April 2017).

SCHOLARSHIPS

Awarded scholarship under the auspices of President's Talent Farming Scheme 1987-1989 at M.Sc-I level.

COMPUTER SKILLS

Mathematica, Matlab etc.

PROJECTS

1. Electromagnetic Wave Propagation in Layered Structures. This work was conducted under University of the Punjab research grant for the year 2013-2014.

2. Worked as Principal Investigator of Pakistan Science Foundation Project No. PSF/Res/P-PU/Phys(131), titled "Nonlinear electromagnetic wave propagation in plasma like media".

3. Worked as Research Associate at the Centre of Excellence in Solid State Physics, Punjab University, under the Pakistan Science Foundation Project No. P-PU/PHY(99), from 1 November 1995 – 30 December 1999.

CONFERENCES / SYMPOSIA ATTENDED

(a) National.

Several Symposia and National Conferences attended.

(b) International.

(1) Attended, "Autumn College on Plasma Physics", 1995. At ICTP, Trieste, Italy.
(2) Attended, "Autumn College on Plasma Physics", 1997. At ICTP, Trieste, Italy.
(3) Attended, "Autumn College on Plasma Physics" , 1999. At ICTP, Trieste, Italy.

RESEARCH SUPERVISION

M.Phil. : Supervised 18 students

Ph.D. : Supervised 2 students, under supervision 1 student

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 Alfven-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 Noureen 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 Polinica 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.