



FACULTY PROFILE

Name of Faculty	: Dr. Suneera T P		
Department	: Physics		
Designation	: Associate professor & Head		
Email ID	: sujansuneera@gmail.com		
Teaching Experience	: 20 years		
Field of Research (if any)	: Nonlinear Optics, Solitons		
Research Activities	: Research Guide		
Major and Minor Projects Undertaken	: NIL		
Administrative responsibilities	: Head, Convener of NAAC committee, Convener of Women anti-harassment committee, Member of planning and development committee, Member of Hunger-free campus committee, Convener of SGRC, Member of Hostel committee, Member of RUSA BOG.		
Academic Qualifications			
Examinations	Name of the Board/University	Year of Passing	Subject
Graduation	WMO college, University of Calicut	2000	PHYSICS
Post Graduation	CUSAT	2002	PHYSICS
Ph. D	University of Calicut	2018	PHYSICS
Others	B.Ed., University of Calicut	2005	PHYSICAL SCIENCE

List of publications:

1. Thermal response of nematicons in a parabolic potential. N M Sajitha, T P Suneera, Physica Scripta. 2024 May; 99(6): 065567.
2. The formation and stability of single-peak and multi-peak gap nematicons in a periodic potential. N M Sajitha, T P Suneera, Liquid Crystals. 2024 Sep; 1–13.
3. The effect of parabolic potential on the generation of higher harmonics of the nematicons. N M Sajitha, T P Suneera, Physica Scripta 2023 Apr; 98(5): 055502.

4. Thermal response of single-peak and double-peak nematicons. N. M. Sajitha, T. P. Suneera, The European Physical Journal Plus. 2023 Dec; 138(12): Article ID 1073.
5. Interplay between diffractive radiation shed and damping coefficient on nematicon propagation. N M Sajitha, T P Suneera, Journal of Modern Optics. 2022 nov; 69(20): 1134–1141.
6. Switching dynamics in parity-time symmetric coupler with nonlocal nonlinearity having transverse potentials. N M Sajitha, T P Suneera, Journal of Modern Optics. 2019 July; ISSN: 0950-0340
7. Nonlocal gap solitons in parity time symmetric coupler with transverse real potential. N M Sajitha, T P Suneera, Journal of optics. 2018 August Volume 20, Number 9.
8. Parity-time symmetric coupler in transverse periodic and aperiodic potentials. N M Sajitha, T P Suneera, The European Physical Journal Plus. 2018 March; 133:84.
9. Higher eigenmodes of nonlocal gap solitons in parity-time symmetric complex potential with a defocusing nonlinearity. T P Suneera, P A Subha, Chaos, Solitons, and Fractals.
10. Higher eigenmodes of matter wave solitons in parity-time symmetric complex potential. T P Suneera, P A Subha, Perspectives in science, 2016 September; 482-484.
11. Single-hump and double-hump solitons in a symmetric complex potential. T P Suneera, P A Subha, 2016 July; ISSN: 1745-5030.