Name	**Mrs. Anisha Nashrin M**
Qualification	M.Sc., SET., PGDCA.,
Designation	Assistant Professor
Year of Joining	18.06.2026
Department	Physics
Specialization	Nonlinear Dynamics
Email id	anishanashrin@gmail.com



Participation / Presentation in Seminars/Workshops/FDP

Date	Paper Presented/ Participated	Title of the Paper	Title of Workshop/ Seminar/ FDP/ Conferences	Organized By	Type
17.08.2026 - 22.08.2026	Participated	-	Advanced Materials for Sustainable Energy and Smart Technologies	Department of Physics, AAA College of Engineering and Technology, Amathur - 626005	FDP
17.08.2026 - 21.08.2026	Participated	-	Emerging Trends in Modern Computing	PG Department of Computer Science (SSS), St. Mary's College (Autonomous), Thoothukudi.	FDP
12.08.2026 - 13.08.2026	Participated	-	Quantum Computing	Department of Physics and The IQAC,	FDP

				Sadakathullah Appa College (Autonomous), Tirunelveli.	
12.02.2026	Presented	Nonlinear Dynamics and Antimonotonicity in a Harmonically Excited Giant Magnetostrictive Actuator	Advances in Condensed Matter and Applied Physics	Department of Physics, Sadakathullah Appa College (Autonomous), Tirunelveli	National Seminar
22.11.2025 - 23.11.2025	Participated	-	Mathematics Modelling and Simulation	NPTEL, IIT Madras	Workshop
24.10.2025	Participated	-	Programmable Bionanoparticles: Precision Tools for Next-Generation Healthcare	Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli	Colloquium
9.10.2025- 14.10.2025	Participated	-	Smart Magnetic Materials: Enabling Technologies for Intelligent Devices	Department of Physics, Thiagarajar College of Engineering, Madurai,	FDP
24.09.2025 - 25.09.2025	Presented	Effects of Periodic Piecewise Linear forcings on a Parametrically Perturbed Lorenz System	Recent Trends in Physics -3	PG Department of Physics, Sri Sarada College, Tirunelveli	International Conference
09.08.2025	Participated	-	Scholarly Academic Profile Management Platforms for Enhancing Research Visibility	The IQAC and Haji.M.N. Mohammad Sahib Library, Sadakathullah Appa College	Workshop

				(Autonomous), Tirunelveli	
08.08.2025	Participated	-	Research Publications and AI: Tactics, Techniques and Intricacies	PG and Research Department of English, St.John's College, Tirunelveli	Workshop
3.02.2025-4.02.2025	Presented	Vibrational Primary and Secondary Resonances in a Parametric Duffing Oscillator	International Conference on Emerging Trends in Physics, Energy Storage Materials and Nanotechnology	PG and Research Department of Physics, Mannar Thirumalai Naicker College (Autonomous), Madurai	International Conference
09.12.2024 - 13.12.2024	Participated	-	AI Integrated Research	Research and Development Cell and Intellectual Property Rights Cell, Fatima College (Autonomous), Madurai.	Research Development Programme
08.03.2024 - 14.03.2024	Participated	-	Interaction Programme for Research Scholars	UGC- Human Resource Development Centre, Bharathidasan University, Tiruchirapalli.	Online Interaction Programme
07.03.2024	Presented	Resonance Dynamics in a Double-well Parametric Quintic Oscillator: Probing Well Depth And	Recent Trends in Physics	PG Department of Physics, Sri Sarada College, Tirunelveli	International Conference

		Location dependencies			
26.02.2024	Presented (Best presentation Award)	Analysis of Vibrational Resonance in a Parametric Quintic Oscillator with Double-well Potentials	Advances in Condensed Matter and Applied Physics	Department of Physics, Sadakathullah Appa College (Autonomous), Tirunelveli.	National Seminar
16.02.2024	Presented	Nonlinear Resonance in a Double-well Parametric Quintic Oscillator driven by Amplitude Modulated Force	Recent Advancement in Materials Science and Nuclear Energy Research	Department of Physics, Govt. Arts and Science College, Kovilpatti in association with Indian Association for Crystal Growth (IACG)	International Conference
06.02.2024	Participated	-	Mpemba Effect: Does a hotter system freeze faster?	Department of Physics, Sadakathullah Appa College (Autonomous), Tirunelveli	Guest Lecture
12.05.2022	Presented	Structural, Optical, Electrical and in-vitro Anti-bacterial Studies of biogenic Nickel Oxide Nanoparticles using Moringa Oleifera leaves Extract	Recent Trends in Physics	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari.	National Conference
01.03.2022	Presented	Synthesis, Characterization and Vibrational analysis of L-isoleucine tartarate crystal by Density	Emerging Materials and its Applications	Department of Physics, St. Xavier's College, Tirunelveli.	International Conference

		Functional Theory			
28.07.2021	Participated	-	Mobile Astronomy	PG and Research Department of Physics, The American College, Madurai.	National Webinar
14.06.2021	Participated	-	Applied Quantum Mechanics	PG and Research Department of Physics, Sadakathullah Appa College (Autonomous), Tirunelveli	Webinar
05.06.2021	Participated	-	Opportunities and Approaches to get National and International Fellowship	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari.	Webinar
16.04.2021 - 17.04.2021	Participated	-	Technological Advancements in Science	School of Physical Sciences, St. Mary's College (Autonomous, Thoothukudi in collaboration with Kamaraj College, Thoothukudi sponsored by Department of Science and Technology, Govt. of. India, New Delhi.	Webinar
30.03.2021 - 31.03.2021	Presented	How to overcome Energy Crisis and Nano materials	CRESTOFEST-21	School of Physics, Madurai Kamaraj	National Level Inter-collegiate Competition

				University, Madurai.	
18.03.2021	Presented (Second Best Presentation Award)	Physics for Society	Intercollegiate Physics Meet - Phyxplosion 2021	Department of Physics, Lady Doak College, Madurai.	Inter-collegiate Meet
21.12.2020 - 24.12.2020	Participated	-	Quiz on Physics for Celebrating 378th Birthday of Sir Issac Newton	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari	Quiz
24.07.2020	Participated	-	Optical Nano Biosensors and Microfluidics in X-Ray Spectroscopy	Research Department of Physics, St. Xavier's College (Autonomous), Tirunelveli	International Webinar
17.07.2020	Participated	-	Dating Geo-Archaeological Materials using luminescence	Department of Physics, A.P.C. Mahalaxmi College for Women, Thoothukudi	National Webinar
12.07.2020	Participated	-	Emergence of Multidisciplinary Approach in Research - A Global Context	Department of Physics, School of Advanced Sciences, Kalasalingam Academy of Research and Education, Krishnakoil	Webinar
10.07.2020	Participated	-	Recent Trends in Crystal Growth	Research Department of Physics, St. Xavier's College, Tirunelveli.	National Webinar

09.07.2020	Participated	-	Spectroscopic Identification of Materials	Department of Physics, A.P.C. Mahalaxmi College for Women, Thoothukudi	Webinar
02.06.2020	Participated	-	Introduction to Geographic Information System (GIS)	Department of Physics, St. Mary's College (Autonomous), Thoothukudi	Webinar
02.06.2020	Participated	-	Carrier Opportunities in Physics	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari.	Webinar
28.05.2020	Participated	-	Lessons of Lockdown: Magnitude of 'The Butterfly Effect '	Department of Physics, St. Mary's College (Autonomous), Thoothukudi	Webinar
30.01.2020 - 31.01.2020	Participated	-	Advanced Materials	School of Physical Sciences, St. Mary's College (Autonomous), Thoothukudi	International Conference
24.09.2019	Participated	-	Speak for India-Tamilnadu Edition	Federal Bank Hormis Memorial Foundation in association with The Times of India	District level inter-collegiate debate
27.02.2018	Participated	-	Advanced Materials	Department of Physics, Pope's College, Sawyerpuram.	International Seminar
27.01.2018	Presented	Atomic Energy-Boon or Bane	-	Tribhuvan IAS Academy	Southern Districts

	(Best Presentation Award)				level competition
14.10.2017	Presented (Best Presentation Award)	Nano electronics, Nano medicine, Green Nanotechnology	Nano science and Nano Technology	Bosnia Club, St. Ignatius College of Education, Tirunelveli	National Seminar

Online Course

Duration	Title	Organized by
12 weeks	The Joy of Computing using Python	NPTEL, IIT Madras
4 weeks	Development of Sociology in India	NPTEL, IIT Kanpur

Trainings / Internships:

Duration	Title	Organized by
5 days	Summer School 2021	Indian Institute of Astrophysics (IIA), Bengaluru
3 weeks	Summer Training Programme in Physics	The Academy of Sciences, Chennai in association with Department of Nano science and Technology, Bharathiar University, Coimbatore
6 weeks	MATLAB	Internshala trainings
2 days	Building of Drones from Design to Flight	Entudio Private Limited, Aerospace &Aviation Sector Skill Council, Skill India

Roles held in college:

Role	Title of the workshop/ conference/Event	Organized by
Organizing Committee member	CSIR-NET / GATE Preparation Series	PG Department of Physics, St. Mary's College (Autonomous), Thoothukudi.
Quiz Master and Interface Designer	SAPHYRE'25 - Physics Quiz	Department of Physics, Sadakathullah Appa College (Autonomous), Tirunelveli.

List of Publications:

Sl. No.	Title for the Research Article	Authors	Name of the Journal	Volume	Page No.	Year	ISSN No.
1	Dynamics of Nonlinear Resonance in Quintic Potentials Under Parametric Excitation'	**M. Anisha Nashrin**, S.M. Abdul Kader, A. Zeenath Bazeera, V. Chinnathambi	Journal of Applied Nonlinear Dynamics	In Press		2026	2164-6473
2	Bifurcation and Hysteresis Analysis in a Memristor Circuit under Periodic Excitations	**M. Anisha Nashrin**, S. Siva Sakthi Pitchammal, S.M. Abdul Kader, A. Zeenath Bazeera and V. Chinnathambi	Nonlinear Phenomena in Complex Systems	28,3	298-307	2025	1561-4085
3	Vibrational Resonance in a Parametric Quintic Oscillator with a Tunable Triple-Well Potential	**M. Anisha Nashrin**, Kairon Mubina M.S and V. Chinnathambi	Journal of Scientific Research	69, 3	31-37	2025	0447-9483
4	Green Synthesis of TiO2 Nanoparticles: A promising tool for wastewater treatment	A. Zeenath Bazeera, Kairon Mubina M. S, S. M. Abdul Kader, **M. Anisha Nashrin**	Journal of Chemistry and Technologies	33,2	363-374	2025	2663-2942

5	Resonance Dynamics in a Double-Well Parametric Quintic Oscillator: Probing Well Depth and Location Dependencies	**M. Anisha Nashrin,** S.M. Abdul Kader, A. Zeenath Bazeera, M. Mohamed Roshan and V. Chinnathambi	Nonlinear Phenomena in Complex Systems	27, 2	146-162	2024	1561-4085
6	Impact of Parametric Excitation on Vibrational Resonance in a Symmetric Triple-well Potential System	**M. Anisha Nashrin**, S.M. Abdul Kader, A. Zeenath Bazeera, V. Chinnathambi, and S. Rajasekar	Nonlinear Studies	31, 1	309-323	2024	1359-8678
7	Analysis of Vibrational Resonance in a Parametric Quintic Oscillator with Double-well Potentials	**M. Anisha Nashrin**, S.M. Abdul Kader, M.V. Sethu Meenakshi, V. Chinnathambi, and S. Rajasekar	Dynamic Systems & Applications	32	294-313	2023	1056-2176
8	Growth and characterization of DL-Norleucine maleate crystals	A. Z. Bazeera, D. Muthuraj, A. S. Mohamed, S. C. V. Durai, **M. A. Nashrin**	Journal of Ovonic Research	18,2	195-204	2022	

Awards and Honours

1. State topper in National Graduate Physics Examination (NGPE) conducted by Indian Association of Physics Teachers.

2. Best Paper presentation Award at National Seminar on Advances in Condensed Matter and Applied Physics organised by Sadakathullah Appa College, Tirunelveli.
3. Second Best Paper Presentation Award at Intercollegiate Physics Meet - Phyxplosion 2021 organised by Lady Doak College, Madurai.
4. Best Paper Presentation Award at the event organised by Tribhuvan IAS Academy.
5. Best Paper Presentation Award at National Seminar on Nano science and Nanotechnology organised by St. Ignatius College of Education, Tirunelveli.
6. Awarded First prize in Physics Quiz on National Science Day Celebrations organised by St. John's College, Tirunelveli.
7. Best Outgoing Student Award in UG (Physics) at St. Mary's College (Autonomous), Thoothukudi.
8. Secured First place in State level 42nd Jawaharlal Nehru Science Exhibition and Math Seminar organised by Department of School Education, Government of Tamilnadu.

Others

Member of Quiz Club (2026- present)

Member of Discipline Committee (2026 – present)

Researcher Identifiers

ORCID Id	0009-0000-5230-5322
Scopus Id	57653034000
Researcher Id (Web of Science)	OBN-7644-2025
Google Scholar Id	dWUwSAgAAAAJ
Vidwan Id	640761