

Dr. G.ANGELIN VITHYA

Assistant Professor (T),
Department of Physics,
Manonmaniam Sundaranar University,
Abishekapatti
Tirunelveli 627 012



EDUCATIONAL QUALIFICATION

Certificate/ Degree	Board / University/ Institution	Year of Passing	Percentage/ CGPA	Class obtained/ Status
Ph.D (PHYSICS)	Anna University Chennai.	2020	8.5 (Course work)	Highly Commended
	SET	2016	--	PASS
M.Sc (PHYSICS)	Popes College, Sawyerpuram	2008	75.1	University 4 th Rank
B.Sc (PHYSICS)	Popes College, Sawyerpuram.	2006	89.5	University 10 th Rank
HSC	St. Mary's Girls Hr. Sec.School	2003	94.3	First Class with Distinction
SSLC	St. Mary's Girls Hr. Sec.School	2001	93.4	First Class with Distinction

AWARDS WON:

1. Best Paper award in International Conference
2. Received Gold medal for college Topper in M.Sc
3. Received Shield for National level first rank in PGDCA
4. Got 2 University Rank in B.Sc (Part -1 Tamil & Part -3 Major)
5. Got University 4th Rank in M.Sc

EXPERIENCE:

Name of the Organization	Designation	Duration
Dr.G.U.Pope College of Engineering Sawyerpuram	Assistant Professor	September 2010 to June2013 (3 Years)
Syed Ammal Engineering College, Ramanathapuram.	HOD/Physics	November 2020 to March 2022
Sethupathy Government Arts college, Ramanathapuram	Guest lecturer	January 2023 to January 2024
Manonmaniam Sundaranar University, Tirunelveli	Assistant Professor (T)	August 2024 to Till Date

ADDITIONAL QUALIFICATION:

Certificate/ Degree	Board / University	Year of Passing	Percentage	Class obtained/ Status
PGDCA	YMCA ICE	2008	92.2	National level FIRST RANK

RESEARCH AREAS

- Theoretical Physics
- Nonlinear Dynamics
- Fiber Optic Communication
- Solitons

LIST OF PUBLICATIONS (International Journals):

1. **Angelin Vithya**, G Mani Rajan, MS, Arun Prakash S, 2017, 'Combined effects of frequency and higher order effects on soliton conversion in an erbium fiber with inhomogeneous broadening', Nonlinear Dyn., Vol. 91, pp. 687-696 (**Impact factor – 4.339**)
2. **Angelin Vithya**, G Murugan Senthil Mani Rajan, 2018, 'Attosecond soliton shaping through dispersion tailoring technique in a monomode optical fiber', Optik, Vol. 167, pp. 196-203. (**Impact factor – 2.187**)

3. **Angelin Vithya, G** & Mani Rajan, MS 2019, 'Impact of fifth order dispersion on soliton solution for higher order NLS equation with variable coefficients', Journal of Ocean Engineering and Science, Vol. 5, pp. 205-213.
4. Saravana Veni, Mani Rajan, MS & **Angelin Vithya.G** 2021, 'Controllable Phase shift of optical soliton through nonlinear tunneling in a dual mode optical fiber', Optik, Vol. 242.
(Impact factor – 2.187)

Conferences/FDP/Workshop/Seminars attended

1. Dr.G.Angelin Vithya has presented a paper titled on Transmission of soliton through optical Fiber” in the international conference on ”Recent Trends in Multidisciplinary Research (ICRTMDR 2021)” organized by A.P.C Mahalaxmi College for Women
2. Dr.G.Angelin Vithya has participated in the international eWorkshop on Science and Technology of Emerging materials (eSTEM-21) organized by Chettinad College of Engineering and Technology
3. Dr.G.Angelin Vithya has attended the AICTE sponsored two weeks Faculty Development Program on “Design of Nano electronics and Nano photonic Devices using Advanced Software Tools” organized by GITA Autonomous College, Bhubaneswar.
4. G.Angelin Vithya has attended the international webinar on Active Hyperbolic metamaterials and their application organized by SRM institute of Science and Technology, Ramapuram campus.
5. Dr.G.Angelin Vithya has participated in webinar on “Awareness on NBA” organized by Syed Ammal Engineering College Ramanathapuram.
6. Dr.G.Angelin Vithya has participated in online training on “Value of IEEE publications in research and career development” organized by Syed Ammal Engineering College Ramanathapuram.
7. Dr.G.Angelin Vithya has participated in the webinar on “Innovative technologies in crystal growth” organized by Arasu Engineering College Kumbakonam.
8. Dr.G.Angelin Vithya has participated in the webinar on ”Self healable neuromorphic memtransistor elements for decentralized sensory signal processing in robotics ” organized by Aaivaler Materials Society, Coimbatore
9. Dr.G.Angelin Vithya has participated in the webinar on ”How Nano science and Technology inspired from nature and transforming the world” organized by AMET

10. Dr.G.Angelin Vithya has participated in a webinar on "Indian Nuclear Power Program" entitled "Fast Forward to Energy Sustainability: The Indian Fast Breeder Reactor Programme" organized by Karunya University
11. Dr.G.Angelin Vithya has participated in the International conference on Solution growth crystals and their applications (SGCA-2021) organized by SSN Research center, SSN institutions from September 13-15, 2021.
12. Dr.G.Angelin Vithya has attended the AICTE sponsored Faculty Development Program on "Recent trends in the world of Photonics" through online mode organized by RNS Institute of Technology from 26.07.2021 to 30.07.2021
13. Dr.G.Angelin Vithya has attended six days Faculty Development Program on "Emerging Research in Applied science & Technology" organized by Nehru Institute of Technology, Coimbatore from 21.09.2021 to 21.07.2021.
14. Dr.G.Angelin Vithya has attended one week online FDP on "Synthesis, Characterization and Applications of Novel Materials" organized by Ramco Institute of Technology, Rajapalayam from 02.08.2021 to 06.08.2021
15. Dr.G.Angelin Vithya has attended Five days international online FDP on "Emerging trends in Science & Technology" organized by Easwari Engineering College, Ramapuram from 01.07.2021 to 06.07.2021
16. Dr.G.Angelin Vithya has attended Five days international online FDP on "Contemporary research trends, innovations in Materials and Technology" organized by Jeppiaar Institute of Technology, Sriperumbudur from 26.08.2024 to 31.08.2024