

**NANJIL CATHOLIC COLLEGE OF ARTS AND SCIENCE  
KALIYAKKAVILAI**



**FACULTY PROFILE**

Name	Dr. T Alwin				
Department	Chemistry				
Designation	Assistant professor				
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Academic Qualifications (with Name of Degree awarding university)	<b>S.No</b>	<b>Course</b>	<b>Board/ University</b>	<b>Year</b>	<b>Percentage</b>
	1	M.Sc.	Manonmaniam Sundaranar	2009	61.40
	2	B.Ed	Tamil Nadu Teacher Education University	2010	72.8
	3	M.Ed	Tamil Nadu Teacher Education University	2011	65.4
	4	M.phil.	Manonmaniam Sundaranar	2013	63.8
	5	Ph.d	Manonmaniam Sundaranar	2017	
Teaching Experience	<b>Level</b>	<b>Years of Service</b>	<b>Institution</b>		
	UG & PG	4.6	Nanjil Catholic College of Arts and Science		
Specialization	Organic Chemistry, Medical Chemistry				
Publications/ Participation in Seminars/ Conferences			<b>International</b>	<b>National</b>	
	No. of Research Papers in Journals		6		
	No. of Publications in Conference Proceedings		2		

etc	No. of Conferences Participated in	15	
	Books		
Projects			
Details of Research Supervision	<b>On going</b>	<b>Completed</b>	
Honours and Awards	Nil		
Posts held	Nil		
Any other Information			

List of Publications:

1. T. Alwin & T. F. Abbs Fen Reji, Vibrational frequency and Molecular geometry of HOMO-LUMO and DFT calculations for 2(4-aminothiazole-5-oxyl)2-phenylbenzofuran, Journal Research in Science, 2014, 2, 79-82.
2. T. Alwin & T. F. Abbs Fen Reji, Synthesis Antioxidant and Antibacterial Studies on 2-(2-arylamino-4-phenylthiazol-5-yl)benzofuran Derivatives, International Research Journal of Pure & Applied Chemistry, 15(1): 1-8, 2017, ISSN: 2231-3443, DOI:[10.9734/IRJPAC/2017/36069](https://doi.org/10.9734/IRJPAC/2017/36069)
3. T. Alwin & T. F. Abbs Fen Reji, Synthesis and antioxidant, antibacterial studies on 2-(2-arylaminothiazol-5-oyl)benzofurans, Asian journal of research in chemistry, 2017, 10(6), 798-802, Print ISSN : 0974-4169. Online ISSN : 0974-4150, Article DOI : [10.5958/0974-4150.2017.00133.X](https://doi.org/10.5958/0974-4150.2017.00133.X)
4. T. F. Abbs Fen Reji, N. S. FemilaNirmal , T. Alwin , S. Sangeetha, V. AnuDanie, Study on molecular structure, vibrational assignments and HOMO-LUMO analysis of 2-phenylamino-5-(benzothiazol-2-oyl)thiazole using HF method”, Journal of Research in Science, 2014, 2, 69-72.
5. B. Jini Kumari, V. S Chithra, T Alwin, T. F. Abbs Fen Rej, Molecular structure and vibrational spectra of 2- [2-(ethylamino-4-chlorophenylaminothiazol)-5-oyl] benzothiazole by experimental and computation techniques, International Journal of Chemical Science, Volume 1; Issue 1; September 2017; Page No. 04-09, Online ISSN: 2523-2843, Print ISSN: 2523-6075.
6. B. Jini Kumari, T Alwin, V. S Chithra, T. F. Abbs Fen Rej, Density functional theoretical computations of 2-[2, 4-bis (4-methylphenylamino) thiazol-5-oyl] benzothiazole, Indian J. Res. Found, 2015, 4, 47-52.

7. Dr. K. Priya Rajini, Dr. C. Agatha Christie, Dr. T. Alwin, L. Lisy & Asish Wilfred, Isolation and Characterization of Caffeine from Soft Drinks, International Journal of Innovative Research in Technology, July 2021| IJIRT | Volume 8 Issue 2 | ISSN: 2349-6002.

#### **Publications in Conference Proceedings**

1. T. Alwin & T. F. Abbs Fen Reji, Synthesis, FT-IR analysis and DFT studies of 2-(4-amino-2-(4-ethoxyphenylamino) thiazol-5-oyl)benzofuran, Indian J Res. Found., 2015, 3, 1-5.
2. T. Alwin & T. F. Abbs Fen Reji, Synthesis, spectroscopic characterization, HOMO-LUMO analysis, biological and docking studies of 2-[2-(4-methoxyphenylamino)-4-phenylthiazol-5-oyl]benzofuran, proceeding of ROAS-2019, 14 – 15 february 2019, 29 – 37.