

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

**FACULTY PROFILE**



Name	Dr. M.SHIRLEY NAVIS				
Department	Chemistry				
Designation	Assistant Professor				
Address	6/124,Paruthiyarai Thottom Thuckalay				
Telephone Number(s)	7598642670				
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Academic Qualifications (with Name of Degree)	Sl.No	Course	Board/University	Year	Percentage
	1	MSc	Manonmaniam Sundaranar University	2008	66.6
	2	B.Ed	TamilNadu Teachers Education	2009	71.3
	3	M.Ed	TamilNadu Teachers Education	2010	65.42
	4	M.Phil	Manonmaniam Sundaranar University	2014	66
	5	Ph.D	Manonmaniam Sundaranar University	2025	
Teaching Experience	<b>Level</b>		<b>Years of Service</b>	<b>Institution</b>	
	UG & PG		4	Muslim Arts and Science College, Thiruvithancode	
	UG&PG		8	Nanjil Catholic College of Arts and Science, Kanyakumari	

Specialization	Physical Chemistry and Medicinal Chemistry		
Publications/ Participation in Seminars/ Conferences etc		<b>International</b>	<b>National</b>
	No. of Research Papers in Journals	2	4
	No. of Publications in Conference Proceedings		
	No. of Conferences Participated in	2	3
	Books	-	
Projects			
Details of Research Supervision	<b>On going</b>	<b>Completed</b>	
Honours and Awards	-		
Posts held	-		
☒ Any other Information	-		

### List of Publications:

1. Mrs.S.Subila, Mrs.M.Shirley Navis, *Determination of Caffeine in Different Tea Samples, Journal of Applied Chemistry (IOSR-JAC)*, December 2016, e-ISSN: 2278-5736, Volume9, Issue 12 Ver.1, PP 75-78
2. Mrs.M.Shirley Navis, Mrs.S.Subila, Study on the presence of oxalate ions in guava and sapota fruits, *International Journal of Advanced Science and Research*, ISSN: 2455-4227, www.allsciencejournal.com, Volume 2 Issue 1 || Jan 2017 || PP. 15-17, Impact Factor 5.12

3. M. Shirley Navis and Dr. Ragel Mabel Saroja, 2023, 'Studies on the Investigation of Anti-Oxidant and Cellular Toxicity on L929 Cell Line of *Andrographis paniculata* and its derivative of Silver and Gold Nanoparticles', *Biological Forum- An International Journal*, vol. 15, no. 4, pp. 590-597.
4. M. Shirley Navis, Dr. Ragel Mabel Saroja and S. Jameer Ahamed, 2022, Investigation of *in vitro* and *in silico* anti-diabetic potential of diethyl phthalate and nano particles (silver and gold) with diethyl phthalate', *European Chemical Bulletin*, vol. 11, no. 10, pp. 667-683.
5. M. Shirley Navis, Dr. Ragel Mabel Saroja and S. Jameer Ahamed, 2022, 'Synthesis and Characterization of silver nanoparticle with bioactive compound from leaf extract of *Andrographis paniculata*', *International Journal of Current Sciences*, vol. 12, no. 4. pp. 164-175.
6. M. Shirley Navis and Dr. Ragel Mabel Saroja, 2021, 'Studies on the Isolation, Identification and Antibacterial Activity of Bioactive Compound from *Andrographis paniculata* Leaf Extract', *Annals of Romanian Society of Cell Biology*, vol. 22, no. 1, pp. 3580-3593.

#### **List of Papers presented and participated in Conference**

1. National seminar on Group Theory and its application in Chemistry, organized by Department of Chemistry, Nesamony Memorial Christian College, Marthandam during 1- 2 August 2019.
2. International seminar on Group Biodiversity and Climate Change, organised by Department of Botany, Scott Christian College, Nagercoil during 5-6 December 2019. In the seminar I presented the paper entitled "Evaluation of Heavy Metals in Selected Medicinal plants growing in Kanyakumari District".
3. State Level Workshop on Research Methodology with special reference on Plagiarism, organised by Department of Zoology, Scott Christian College, Nagercoil on 13 December 2019.
4. International Conference on Innovative Research in Chemical Science: ICIRCS- 2K19, organised by Department of Chemistry, Scott Christian College, Nagercoil on 16 December 2019. In the seminar I presented the paper entitled "Determination of Physicochemical Parameters of Selected Medicinal plants in kanyakumari District".
5. National Conference on Innovation in Intelligent Chemistry-2022, organised by Department of Chemistry, T.D.M.N.S College, Tirunelveli on 22 April 2022. In these seminar I presented the paper entitled "Synthesis of Silver Nanoparticles from *Andrographis Paniculata* and its Antibacterial Activity"

### **Faculty Development Programme attended:**

Sl.No	Topic	Organised Institution	Date
1	The Art of Effective Teaching	Nanjil Catholic College of Arts and Science, Kaliyakkavilai	09-02-2017
2	Educating the Millennium Generation	Nanjil Catholic College of Arts and Science, Kaliyakkavilai	20-10-2021
3	Role of Library in Academic Research	Nanjil Catholic College of Arts and Science, Kaliyakkavilai	20-05-2022
4	International Regulatory Requirement in Manufacturing Practice	Government of TamilNadu	24.07.2023
5	Medicinal Chemistry	NPTEL	14.04.2024
6	Bloom's Taxonomy	Nanjil Catholic College of Arts and Science, Kaliyakkavilai	30. 10.2024
7	Bloom's Taxonomy	Nanjil Catholic College of Arts and Science, Kaliyakkavilai	02.12.2024
8	Sustainability and Green Chemistry in EV Sector	Government of TamilNadu	06.01.2025- 11.01.2025
9	Creative Thinking Pedagogy	Nanjil Catholic College of Arts and Science, Kaliyakkavilai	31.01.2025
10	TamilNadu Touth Innovation and Entrepreneurship Development Programme	Government of TamilNadu	18.11.2025- 20.11.2025
11	Outcome Based Education and Application of Generative AI in Teaching and Research	St. John Technical and Educational Campus, Palghar	19.11.2025
12	Employability Skills	Government of TamilNadu	15.12.2025- 20.12.2025