

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

**FACULTY PROFILE**

Name	DR.A.AJITHA MOL				
Department	Zoology				
Designation	Assistant professor in Zoology				
Address	Mylacode Alencode				
Telephone Number(s)	9443150090, 9443581271				
Email Id(s)	ajithagladston@gmail.com				
Academic Qualifications (with Name of Degree awarding university)	Sl.no	Course	Board/University	Year	Percentage
	1	Ph.D	M. S. University	2017	-
	2	M.Phil		2005	68%
	3	M.Sc		2004	67%
	4	B.Sc		2002	70%
Teaching Experience	<b>Level</b>	<b>Years of Service</b>	<b>Institution</b>		
	UG	10	Nanjil Catholic College of Arts and Science		
	PG				
	UG & PG				
Specialization	Planktonology, Hydrobiology				
Publications/ Participation in Seminars/ Conferences etc				<b>International</b>	<b>National</b>
	No. of Research Papers in Journals			16	
	No. of Publications in Conference Proceedings			9	
	No. of Conferences/seminars Participated			20	
	Books			1	

Projects	5 (UG students)	
Details of Research Supervision	<b>On going</b>	<b>Completed</b>
	-	
Honours and Awards	-	
Posts held	Assistant professor	
Any other Information		

List of Publications:

□□ Phytoplankton density in comparison with monthly variation of hydrobiological parameters in Manakudy estuary, South west coast of India. *Int. Res. J. Environment Sci.* Vol.3(10), 24-31, (2014).

□□ Diversity and ecology of phytoplankton in Manakudy Estuary, Kanyakumari, Tamilnadu, India. *International Journal of Pure and Applied Zoology, Volume 2, Issue 4, pp: 308-314, (2014).*

□□ Probiotics from Artemia and its Application on Controlling the Bacterial Pathogens in Aquaculture System. *Int J Pharm Bio Sci*, 5(4): (B) 1168 – 1172, (2014).

□□ Survey study of Artemia in southern salt pans of Tamil Nadu and its ecological relationship with phytoplankton with special reference to seasonal variation. *International Journal of Applied and Natural Sciences (IJANS)*, Vol. 3, Issue 1, 49-56, (2014).

□□ Distribution and Habitat Utilization Study of Greater Flamingo (Phoenicopterus Roseus) in Coastal Areas of Kanyakumari with Special Reference to its Ecology and Conservation. *International Journal of Pure and Applied Zoology. Volume 2, Issue 2, pp: 106-110, (2014).*

□□ Assessment of Hydrobiological Parameters in Manakudy Estuary, South West Coast of India. *International Research Journal of Biological Science*, Vol. 5(3), 1-6, (2016).

□□ A study on the role of microbial diversity and their interferences with the ecosystem of manakudy estuary. *International Journal of Current Research Vol. 8, Issue, 04, pp.29244-29247, (2016).*

□□ Impacts of nutrients nitrogen, phosphorus, potassium and their role in the sediment of Manakudy estuary, Tamilnadu, S.India. *International Journal of Current Research Vol. 8, Issue, 04, pp.29248-29251, (2016).*

□□ Study the Production of Rotifer Culture in Different Concentration of Microalgae with Combination of Manure. *Int. J. Pure App. Biosci.* 4 (4): 321-326, (2016).

□□ Bacterial investigation of dug well water sample in and around Kaliyal and Arumamanai villages of Kanyakumari Dist, *Advance in Bioresearch, Vol. 12, Issue, 06, pp.194-200, (2021).*

□□ Study on the larval production of shrimp fed on rotifer cultured in different medium of nannochloropsis sp, *IJCRT, Vol. 13, Issue, 02, pp.b455-b460, (2025)*.

□□ Analysis the Quantitative Distribution of Total Heterotrophic bacteria in the fish landing centre of Kadiyapatnam at Kanyakumari Dist, *IJCRT, Vol. 13, Issue, 02, pp.b433-b437, (2025)*.

## ATTENDED SEMINAR/CONFERENCES

□□ International Symposium on “Projecting the impact of Global climatic changes on Marine Biodiversity”, Centre for Marine Science and Technology, Rajakkamangalam, 23<sup>rd</sup> March 2016.

□□ National Seminar on Empowerment of Women, Women Student Welfare Committee, S.T.Hindu College, 20<sup>th</sup> August 2016.

□□ National conference on Water : The elixir of Life Department of Zoology, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 27<sup>th</sup> August, 2016

□□ International conference on Biodiversity Department of Zoology, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 23<sup>rd</sup> September, 2016.

□□ National seminar on Genetic diseases with emphasis on Thalassemia, Department of Biotechnology, Malankara Catholic College, 8<sup>th</sup> January 2018.

□□ International seminar on Recent advancements in Biotechnology, Department of Zoology, Pioneer Kumarasamy College, Nagercoil, 21<sup>nd</sup> February 2018.

□□ National seminar on Emerging trends in pharmaceutical industry. Department of Zoology, Muslim Arts College, Thiruvithancode 27<sup>th</sup> August 2018

□□ National Conferences on Future trends in Marine Biotechnology, Centre for Marine Science and Technology, Rajakkamangalam, 14 and 15<sup>th</sup> February, 2019

□□ National seminar on Recent trends in Vector Management, Department of Zoology, Scott Christian College, Nagercoil, 10<sup>th</sup> February 2017

□□ National Conferences on environmental contaminants : Current trends and future perspectives, Department of Zoology, Muslim Arts College, Thiruvithancode 13<sup>th</sup> September 2019

□□ National seminar on natural calamities and environmental degrading along the coast, Department of Zoology, Lekshmipuram College of Arts and Science, Neyoor, Tholayavattam 24<sup>th</sup> February 2018

□□ National seminar on Cancer Biology, Department of Zoology, Annai Velankanni College, Tholayavattam 28<sup>th</sup> September 2017.

□□ International conference on Frontiers in Analytical and Clinical techniques, Department of Nanobiotechnology, NI Centre for Higher Education, Kumaracoil, 24 and 25<sup>th</sup> January 2019.

□□ National Seminar on Restoration and Rehabilitation of Ecosystem, Department of Zoology, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 18<sup>th</sup> March 2019.

□□ International conference on conservation of natural resources and traditional Siddha pharmacological approaches for your future, William Research Centre, Nagercoil, 12 and 13<sup>th</sup> December, 2018.

## **PAPER PRESENTATIONS**

- A.Ajitha Mol, Analysis of hydrobiological parameters in Manakudy estuary, Kanyakumari District, Tamilnadu, Proceedings of national Conference on Water- The Elixir of life, pp32, Department of Zoology, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 27<sup>th</sup> August, 2016
- A.Ajitha Mol, Study of plankton diversity of Manakudy mangrove ecosystem, Proceedings of International Conference on Biodiversity, pp37, Department of Zoology, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 23<sup>rd</sup> September, 2016.
- A.Ajitha Mol, Study the phytoplankton distribution in relation to physico- chemical parameters of Manakudy estuary. Proceedings of Ninth all India Conference of Scott Research Forum, pp.91, Scott Christian College, Nagercoil, 10<sup>th</sup> February, 2017.
- A.Ajitha Mol, Study on the distribution of Zooplankton population in the estuarine environment of Manakudy, Proceedings of national Conference on Future trends in Marine Biotechnology, pp17, Centre for Marine Science and Technology, Rajakkamangalam, 14 and 15<sup>th</sup> February, 2019
- A.Ajitha Mol, Study on the distribution of Microbial diversity in the estuarine ecosystem of Manakudy, Proceedings of Second International Conference on Frontiers in analytical and clinical techniques, pp 53-56, Department of Nanobiotechnology, NI Centre for Higher Education, Kumaracoil, 24 and 25<sup>th</sup> January 2019.
- A.Ajitha Mol, Monthly Variation of phytoplankton density and hydrobiological parameters in Manakudy estuary. Proceedings of International Conference on Natural Resources and traditional Siddha pharmacological approaches for your future, pp76-77, William Research Centre, Nagercoil, 12 and 13<sup>th</sup> December, 2018.
- A.Ajitha Mol, National Seminar on Restoration and Rehabilitation of Ecosystem, Evaluation of Water quality in the estuarine ecosystem of Manakudy, pp 4, 18<sup>th</sup> March 2019.
- A.Ajitha Mol, Diversity of Phytoplankton in Manakudy estuary, KK Dist, Proceedings of Seminar on Biodegradation, March 2025

## **ATTENDED FACULTY DEVELOPMENT PROGRAMMES**

- One day sensitization programme on NPTEL Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 2 August, 2019
- FDP on research indicators publishing ethics and predatory journals, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, 4<sup>th</sup> February, 2020
- Five Days Online Faculty Development Program on Mentoring and Facilitation Skills for Institutional Mentors Organised by Faculty Development Centre, Mahatma Gandhi National Council of Rural Education Ministry of Human Resource Development , Government of India on June 08 - 12, 2020
- Online training on virtual teaching tools 1<sup>st</sup> June, 2020
- National level online FDP on current trends in teaching methods and strategies in higher education 18<sup>th</sup> June, 2020
- Mentoring and Facilitation skills for Institutional Mentors on 8-12<sup>th</sup> June, 2020 by Mahatma Gandhi National Council of Rural Education and Department of Higher Education, Ministry of Human Resource Development, Govt. of India

➤ FDP on Leadership Mastery through Self-Management by Centre for Value Based Education, Delhi Technological University, Delhi & Heartfulness Education Trust, 19- 23 July 2021

➤ One Week FDP Life Skills and Wellness During Pandemic 5-11 July 2021

➤ FDP on Interpersonal Skills and Student Engagement 19 August 2021

➤ Faculty Development Program and submitted the Action Research Project Report on ‘Building Emotional Intelligence and Resilience Case Method of Experiential Teaching

and Learning’ by Faculty Development Centre Mahatma Gandhi National Council of Rural Education 17 - 21 May, 2021

➤ One Week FDP on Revised NAAC Framework Guidelines =-2020 for Non- Accredited Affiliated Colleges Under UGC PARAMARSH Scheme by V.O. Chithambaram College, Thoothukudi, 26- 30 July 2021

➤ Three days FDP on Classroom communication on Teaching and Mentoring at Muslim atr college , Thiruvithancode on 12-14 February 2025.

➤ One week National level Online FDP on outcome based education and application of generative ai in teaching and research by IQAC of st.john technical and educational campus, Palghar on 19<sup>th</sup> November to 29<sup>th</sup> November 2025

➤ NEP 2020 Orientation and Sensitization programme by UGC-Malaviya Mission Teacher Training Centre, Bharathidasan University, Tiruchirappali on 22-10-2025 to 30-10-2025

## **BOOK PUBLICATION**

➤ Environmental Studies

## **SWAYAM COURSE**

➤ Regeneration Biology

## **RESPONSIBILITIES**

➤ Member of IQAC

➤ Member of Fine Arts Club

➤ Member of Anti- Ragging Club

➤ Editorial Member of Nanjil Journal

➤ Member of Health Club

## **ORGANISED SEMINAR/CONFERENCES**

- As organizing secretary in the National Seminar on Restoration and Rehabilitation of Ecosystem.
- As organizing secretary in the State level workshop on Electrophoretic separation of DNA isolation.
- As organizing secretary in the National Conference on Etiology and Prevention of Cancer
- As organizing secretary in the Workshop on Recent Trends in Microbiological Techniques in Research