

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

FACULTY PROFILE



Name	R. Murali				
Department	Chemistry				
Designation	Assistant Professor and Head				
Address	14/10 Sornagiri Street Kottar- 629002 Nagercoil. Tamilnadu, India				
Telephone Number(s)	+91-7708334913				
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Academic Qualifications (with Name of Degree awarding university)	S No	Course	University	Year	Percentage
	1	MSc	Bharathidasan	2005	74.3
	2	PhD	MS University of Baroda	2012	--
Teaching Experience	Level	Years of Service	Institution		
	UG	2.7	V. S. B. College of Engineering Technical campus, Coimbatore Theni College of Arts and Science, Theni		
	UG , PG & M.Phil	6.3	Nanjil Catholic College of Arts and Science, Kanyakumari		
Specialization	Polymer Chemistry and Environmental Chemistry				
Publications/ Participation in Seminars/ Conferences etc				International	National
	No. of Research Papers in Journals			5	1
	No. of Publications in Conference Proceedings			5	12
	No. of Conferences Participated in			6	10
	Books			-	-

Projects		
Details of Research Supervision	On going	Completed
	02	
Honours and Awards		
Posts held	Member, Senate, Manonmaniam Sundaranar University, Tirunelveli	
Any other Information		

List of Publications:

1. R. Murali. Characteristics and kinetics of cationic and anionic dyes adsorption on soil Colloids. *International Journal of Emerging Technology and Advanced Engineering*, 2016, 6(11), 42-48. Impact factor: 3.2
2. R. Murali, C. N. Murthy. Studies on the transport of colloids and its implications on contaminant transport in natural porous media. *Journal of Nanjil Research Forum*, 2016.
3. R. Murali, C. N. Murthy, R. A. Sengupta. Adsorption studies of toxic metals and dyes on soil colloids and their transport in natural porous media. *International Journal of Environmental Science and Technology*, 2015, 12(11), 3563-3574. Impact factor: 2.4
4. R. Murali, C. N. Murthy and L. S. Chamyal. Characterization of colloids in the late Quaternary sediment sequences of Mahi River basin, Gujarat, India. *Current science*. 2012, 103(10), 1209-1215. Impact factor: 1.1
5. Rakesh Sharma, R. Murali and C. N. Murthy. Clouding and aggregation behavior of PPO-PEO-PPO tri-block copolymer (Pluronic 25R4) in surfactant additives Environment. *Tenside Surfactants Detergents*. 2012, 02, 136-144. Impact factor: 1.2
6. C. N. Murthy, Rashmika R. Patel, R. Murali, A. K. Rakshit. [60]Fullerene in Water: Microemulsion and Nanophase formation. *J. Chem. Eng. Data*. 2010, 55(10), 4479-4484. Impact factor: 2.1

List of Papers Presented

1. *R. Murali and C. N. Murthy*. Studies on the colloid associated transport of dye contaminants in natural porous media. 44th Annual convention of chemists, December.23-27, 2007, Jaipur, India.
2. *R. Murali and C. N. Murthy*. Studies on the colloid mediated transport of dye contaminants in natural porous media. Fifth All Gujarat Research Scholars Meet, 17th February 2008, Vadodara, India.
3. *R. Murali and C. N. Murthy*. Studies on the adsorption and transport of Cr⁶⁺ contaminant by water dispersible colloids. 45th Annual convention of chemists and International Conference on Recent Advances in Chemistry, November 23-27,2008, Dharwad, Karnataka, India.
4. *R. Murali and C. N. Murthy*. Studies on the role of humic colloids isolated from sediments in the adsorption and transport of contaminants like organic dyes and chromium. 46th Annual convention of chemists and International Conference on Recent Research Trends in Chemical Sciences, December 02-06, 2009, Vellore, Tamilnadu, India.
5. *R. Murali, D.L. Shah, C. N. Murthy* Design and Characteristics of Polymer based Sodium silicate Grout. *L.S. Thakur, K.S. Shah, R. Murali, D.L. Shah, C. N. Murthy*, IGC 2009, Guntur, India. Page. 388-392.
6. *R. Murali and C. N. Murthy*. Studies on the adsorption and transport of chromium by soil colloids in natural porous media. Sixth All Gujarat Research Scholars meet, 31st January 2010, Vadodara, India.
7. *R. Murali and C. N. Murthy*. Studies on the transport of a dye contaminant in soil subsurface by natural colloids. 3rd International Conference on Hydrology and Watershed Management, February 3-6, 2010, Hyderabad, India.
8. *R. Murali and C. N. Murthy*. Studies on the adsorption of chromium on soil colloids and its transport through sediment column. XXIV- Gujarat Science Congress, 21st March 2010, Ahmedabad, India.
9. *R. Murali and C. N. Murthy*. Studies on the transport of colloids and its implications on contaminant transport through sediment column. IAHR international ground water symposium, September 22-24, 2010, Valencia, Spain.
10. *Rakesh Sharma, R. Murali and C. N. Murthy*. Interaction of PPO-PEO-PPO triblock copolymer with ionic surfactants in water & aqueous salt solutions. 11th International Conference on Frontiers of Polymers & Advanced Materials, December 15-17, 2010, Delhi, India.
11. *R. Murali and C. N. Murthy*. Studies on the characterization of colloids in the late Quaternary sediment sequences of Mahi River basin, Gujarat, India. XXVI Gujarat Science Congress, 26th February 2012, Vadodara, India.
12. *R. Murali and C. N. Murthy*. Studies on Colloid associated transport of Dye and Toxic metals in Quarternary Sediment Sequences. Indo-UK Perspective on Water Quality: Threats, Technologies and Options, 13-14 August 2013, IISc Bangalore, India.

13. *R. Murali*. Nanomembranes for water purification. Seminar on Recent advances in water purification technology, January 28, 2016, Kaliyakkavilai, Tamilnadu, India.
14. *R. Murali*. Toxic metal pollution of water resources and its impact on Human life. National Conference on Water: The Elixir of Life, August 27, 2016, Kaliyakkavilai, Tamilnadu, India.
15. *R. Murali*. Effects of climate change on Life. International Conference on Biodiversity(ICB-2016). September 23, 2016, Kaliyakkavilai, Tamilnadu, India.
16. *R. Murali*. Acrylic polymer and its uses. National symposium on Past and Present Research system in Chemical Sciences. March 05, 2018, Kaliyakkavilai, Tamilnadu, India.
17. 1,B. Vijaya, R. Murali. Solubilization of poorly water soluble drugs by Micellization- A review. ICCIASH, 2020, ISBN No. 978-93-88096-42-3.