

Name: Dr. M. VADIVELU	Photo 			
Designation:	Assistant Professor			
Qualification:	<i>M.Sc., Ph.D.,</i>			
Area of specialization:	<i>Spectroscopy and Biophysics</i>			
Experience:	Industrial Experience		Teaching Experience	
	-		16	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	5		5	
Publications:	Conference		Journal	
	National	International	National	International
	1	2	0	8
Books / Book Chapters				
Patents:	National		International	
	0		0	
Professional Body Membership	<ol style="list-style-type: none"> 1. The Institute of Electrical and Electronics Engineers (IEEE. No. 100676109) 2. Member of IEEE Photonics Society 3. Member of IEEE Electronics packaging society 4. Member of IEEE Electron devices society 			
Staff Achievements	<i>20 times more than 95% result in Engineering Physics I & II.</i>			

Educational Qualifications:

	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Physics	1999		University of Madras	62	First
PG	M.Sc	Physics	2002	Annamalai University	Annamalai University	66	First
Doctorate	Ph.D	Physics	2009	Annamalai University	Annamalai University	Highly commented	

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramanujar Engineering College	Assistant Professor	08.09.2008	04.01.2010	1	3	22
GKM College of Engineering and Technology	Assistant Professor	08.01.2010	21.01.2021	11	0	13
GKM College of Engineering and Technology	Associate Professor	22.01.2021	20.11.2023	2	9	28
Sri Sai Ram Engineering College	Assistant Professor	27.11.2023	Till date	1	0	23
Total				16	2	26

Publications:

1. **M. Vadivelu**, PL. RM. Palaniappan “Bioconcentration of lead and the influence of antidotes on the selected organs of *CatlaCatla* fingerlings” (**Global J. Environ. Sci. Technol.** Vol. 1:4, (2011) pp. 1-9 (**Impact Factor Value:3.7**).

2. PL. RM. Palaniappan , N. Krishnakurm**M. Vadivelu**, “Bioaccumulation of lead and the influence of chelating agents in *Catlacatla* fingerlings”*Environmental Chemistry Letters* Vol. 7, (2009) pp. 51-54 (**Impact Factor Value : 1.9**).

3. PL. RM. Palaniappan ,SelviSabhanayagam, N. Krishnakurm**M. Vadivelu** Morphological changes due to lead exposure and influence of DMSA on the Gill tissues of the freshwater fish, *Catlacatla***Food and Chemical Toxicology**Vol. 46 (2008) pp 2440 – 2444(**Impact Factor Value: 2.1**).

4. “PL. RM. Palaniappan ,N. Krishnakumar**M. Vadivelu**V. Vijayasundaram “The study of the changes in the biochemical and mineral contents of bones of *Catlacatla* due to lead intoxication”*Environ Toxicol.* Vol. 25(1),(2010) pp. 61-7. (**Impact Factor Value: 1.932**).
5. PL. RM. Palaniappan ,N. Krishnakumar**M. Vadivelu**“FT-IR study of the effect of lead and the influence of chelating agents, DMSA and D-Penicillamine, on the biochemical contents of brain tissues of *Catlacatla* fingerlings”**Aquat. Sci.**vol. 70 (2008) pp. 314 – 322(**Impact Factor Value : 2.7**).
6. PL.RM. PALANIAPPAN, **M. VADIVELU** , V. VIJAYASUNDARAM**Fourier Transform Raman Spectroscopic Analysis of Lead-Exposed Muscle Tissues of *Catlacatla****Rom. J. Biophys.* 19(2) (2009) pp.117-125.(**Impact Factor Value: 0.5**).
7. Subramanian Karunagaran¹ ,Rengarajan Kavitha² , Muthu Vadivelu¹ , Keun Woo Lee³ and Chandrasekaran Meganathan*,¹ Insight Mechanism of the Selective Lanosterol Synthase Inhibitor: Molecular Modeling, Docking and Density Functional Theory Approaches. *Current Computer-Aided Drug Design*, 2017, Vol. 13, No. 3
8. Insight Mechanism of the Selective Lanosterol Synthase Inhibitor: Molecular Modeling, Docking and Density Functional Theory Approaches Subramanian Karunagaran, RengarajanKavitha, MuthuVadivelu, Keun Woo Lee and ChandrasekaranMeganathan*. *Current Computer-Aided Drug Design*, 2017, Vol. 13, No. 4 275

Papers presented in National / International Conferences

1. The accumulation of lead and the influence of $\text{Ca}_2\text{Na}_2\text{EDTA}$, D-Penicillamine and DMSA on freshwater fingerlings *Catlacatla*, “**94th Indian Science Congress**”, Annamalai University, Annamalai Nagar, India, January,3-7, 2007.
2. The Study of the Changes in the Biochemical constituents of Kidney Tissues of *Catlacatla* due to Lead intoxication, “**International conference on Resent Frontiers in Applied Spectroscopy**” (**ICOFRAS-2010**), Annamalai University, Annamalai Nagar, India, September 22-24, 2010.

3. Bioaccumulation of Lead and the Influence of Antidotes (DMSA, D-Penicillamine and CaNa_2EDTA) on the Selected Organs of Catlacatla Fingerlings, “**National Conference on Materials for Energy and Environment**” (NCMEE-2012), Chendu College of Engineering and Technology, Tamilnadu, India, April 6, 2012.