


<b>Name:</b> Dr. M. VADIVELU	<b>Photo</b> 			
<b>Designation:</b>	Associate Professor			
<b>Qualification:</b>	M.Sc., Ph.D.,			
<b>Area of specialization:</b>	Spectroscopy and Biophysics			
<b>Experience:</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	-		16	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	3		7	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	1	2	0	8
<b>Books / Book Chapters</b>				
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	0		0	
<b>Professional Body Membership</b>	The Institute of Electrical and Electronics Engineers Member of IEEE Photonics Society Member of IEEE Electronics Packaging Society Member of IEEE Electron Devices Society			
<b>Staff Achievements</b>	Produced More than 95% result in Engineering Physics I & II.			

## 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	Govt. Arts & Science College	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	27
GKM College of Engineering and Technology	Assistant Professor	08.01.2010	10.06.2023	13	5	03
Sri Sai Ram Engineering College	Assistant Professor	27.11.2023	31.10.24	0	11	04
Sri Sai Ram Engineering College	Associate Professor	27.11.2023	Till date	0	5	02
Total				16	1	05

## Publications:

1. **M. Vadivelu**, PL. RM. Palaniappan “Bioconcentration of lead and the influence of antidotes on the selected organs of *CatlaCatlafingerlings*” (**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 Karunagaran<sup>1</sup> ,Rengarajan Kavitha<sup>2</sup> , Muthu Vadivelu<sup>1</sup> , Keun Woo Lee<sup>3</sup> and ChandrasekaranMeganathan\*,<sup>1</sup> 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 Ca<sub>2</sub>Na<sub>2</sub>EDTA, D-Penicillamine and DMSA on freshwater fingerlings *Catlacatla*, "**94<sup>th</sup> 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<sub>2</sub>EDTA) 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.