

<p style="text-align: center;">Name:</p> <p style="text-align: center;">Dr. M. Vadivelu</p>				
Designation:	Associate Professor			
Qualification:	M. Sc., Ph.D.			
Area of specialization:	Spectroscopy and Biophysical Studies			
Experience:	Industrial Experience	Postdoctoral Experience	Teaching Experience	
	-	-	16 years	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	2		5	
Publications:	Conference		Journal	
	National	International	National	International
	1	2	0	8
Books / Book Chapters	2			
Patents:	National		International	
	-		-	
Professional Body Membership	IEEE			
Research	Google Scholar ID: IMUCb4sAAAAJ Researcher ID: KIE-3132-2024 Orcid ID: 0009-0000-6202-8701 Scopus ID: 57192280748			
Staff Achievements	1. Produced More than 95% result in Engineering Physics I & II.			

Educational Qualifications:

Category	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 - Dharmapuri	University of Madras	62	First
PG	M.Sc	Physics	2002	Annamalai University	Annamalai University	66	First
Doctorate	Ph.D.	Physics	2019	-	Annamalai University	Highly Commended	

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College	Associate Professor	01.11.2024	Till date	1	4	0
Sri Sai Ram Engineering College	Assistant Professor	27.11.2023	31.10.2024	0	11	4
GKM College of Engineering and Technology	Assistant Professor	08.01.2010	10.06.2023	13	5	3
Sri Ramanujar Engineering College	Assistant Professor	08.09.2008	04.01.2010	1	3	27
Total				16	0	3

Workshops/Seminars attended:

1. Workshop on Synthesis of Nanomaterials using Electrochemicals Methods, Characterization and Applications held on 27/07/24 organized by the Department of Physics, Sri Sairam Engineering College, Chennai.
2. International Seminar on Advanced Functional Materials and Applications” on 4th April 2025 organized by Department of Physics, SRM Institute of Science and Technology, Ramapuram, Chennai.

FDP/STTP Attended:

1. Six Day online International Faculty Development Programme on “Next-Gen Tech Synergy: Nano Engineering and Quantum Computing for Global Impact (NGTS’25)” held from 18/08/2025 to

23/08/2025, Organized by Department of Science and Humanities (Physics), Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai.

2. "A Ten Days Virtual International Faculty Development Program on Frontiers in Material Science" organized by Department of Physics, SRM Institute of Science and Technology, Ramapuram, Chennai on 17th to 27th March 2025.
3. FDP on "Advances in Materials science - 2024" Organized by Sri Sairam Institute of Technology on 04/04/24 & 05/04/24.
4. International Online Faculty Development Programme on 'Embracing Sustainability as Opportunity' from 03-06-2024 to 07-06-2024 jointly organized by the Department of Pedagogical Sciences, Tamil Nadu Teachers Education University & Academic Staff College & Faculty of Education, Dr.M.G.R. Educational and Research Institute, Chennai.
5. Two Week online FDP on Frontiers in Materials Research, Innovations and Entrepreneurship organized by Department of Physics, Sri Sairam Engineering College, Chennai from 25/07/24 to 08/08/24.

Papers presented in International / National Conferences:

1. The accumulation of lead and the influence of CaNa_2EDTA , 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 Catlacatladue to Lead intoxication, "International conference on Recent 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 Catla catla Fingerlings, "National Conference on Materials for Energy and Environment" (NCMEE-2012), Chendu College of Engineering and Technology, Tamilnadu, India, April 6, 2012.

Conference/ Symposium Attended:

1. "Global Conference on Advanced Materials and Processing" on 12/09/24 & 13/09/24 organized by the Department of Physics, Sri Sairam Engineering College, Chennai.
2. 2nd International Conference on "RENEWABLE ENERGY CHALLENGES AND NEW TRENDS IN HYBRID SOLAR CELL TECHNOLOGY" Organized by Sri Sairam Engineering College, Chennai on 21.03.2024 & 22.03.2024.

Journal Publications:

1. M. Vadivelu, PL. RM. Palaniappan "Bioconcentration of lead and the influence of antidotes on the

selected organs of Catla Catla fingerlings” (Global J. Environ. Sci. Technol.Vol. 1:4, (2011) pp. 1-9 (Impact Factor Value:3.7).

2. PL. RM. Palaniappan, N. KrishnakurM. Vadivelu, “Bioaccumulation of lead and the influence of chelating agents in Catla catla fingerlings” Environmental Chemistry Letters Vol. 7, (2009) pp. 51-54 (Impact Factor Value: 1.9).
3. PL. RM. Palaniappan, SelviSabhanayagam, N. KrishnakurM. Vadivelu Morphological changes due to lead exposure and influence of DMSA on the Gill tissues of the freshwater fish, Catla catla Food and Chemical Toxicology”, Vol. 46 (2008) pp 2440 – 2444 (Impact Factor Value: 2.1).
4. PL. RM. Palaniappan, N. KrishnakumarM. VadiveluV. Vijayasundaram “The study of the changes in the biochemical and mineral contents of bones of Catla catla due to lead intoxication”Environ Toxicol. Vol. 25(1), (2010) pp. 61-7. (Impact Factor Value: 1.932).
5. PL. RM. Palaniappan, N. KrishnakumarM. 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 Catla catla 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 ChandrasekaranMeganathan*,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.

Books / Book Chapters:

1. “A Text Book of Principles of Electronics Engineering” by M. Vadivelu, S. Dinesh, C. Meganathan, R. Premanand. ISBN Number : 9789357378925.
2. “A Text Book of Physics for Computing Science” by M. Vadivelu, S. Dinesh, C. Meganathan, R. Premanand. ISBN No: 9789334151527.

Online Courses:

1. Completed NPTEL course entitled “United Nations Sustainable Development Goals(UN SDGS)” course with Elite during Jan - April 2025.
2. Completed NPTEL course entitled “Waste to Energy Conversion” course with Elite during Jan - April

2025.

3. Completed NPTEL course entitled “Physics of Renewable Energy Systems” course with Elite-Silver during Jul - Oct 2025.
4. Completed NPTEL course entitled “Basic Environmental Engineering and Pollution Abatement” course with Elite during Jul - Oct 2025.