

FACULTY PROFILE

Name : P.RAJAMANI
Designation : Assistant Professor
Department : Dept.of Physics
DateofBirth : 01/04/1991



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Areaofspecialization : Molecular spectroscopy

Educational Qualification				
Degree/ Diploma	Subject	Institution/University	Yearof Completion	Grade/ Percentage
B.Sc.	General Physics	Thiruvalluvar University	2011	A++
M.Sc.	General Physics	Thiruvalluvar University	2014	A++
Ph.D.	Molecular spectroscopy	Annamalai University	2021	A

Teaching Experience

Sl.No.	Nameofthecollege/institution	Year		Service	
		From	To	Year(s)	Month(s)
1.	SrimathSivagnanaBalayaSwamigal College College in Mailam, Tamil Nadu	18/08/2 021	31/06/2 022	10 Months	18 days

Orientation/Refresher/FacultyDevelopmentProgrammeAttended

Titleofthe Programme	Place	DATE

Workshop/SeminarProgrammeAttended

Titleofthe Programme	Place	DATE
One Day “National Workshop on Smart Materials- Applications & Characterizations	VIT University, Vellore	27/04/ 2016
National Workshop on Recent Developments in Science and Engineering Materials	Annamalai University, chidambaram.	1/03/2017
K.S Sonachalam memorial XXVI inter disciplinary research methodology	Annamalai University, chidambaram.	23.03.2018 to 29.03.2018.
Biofuture workshop confirmation	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.	16/102019

National/International Conference Attended

Titleofthe Conference	Place	DATE
International Conference on Nanomaterial and Molecular Research” (ICNMR-2016)	St. Joseph’s arts and science (Autonomous), cuddalore	08/12/2016 to 09/12/2016.
International conference on recent trends in applied science and technology (ICRAST-2018)	Anna University, Chennai	8/092017 to 09/09/2017.
International conference on recent advances in applied physics (ICRAAP-2017)	Engineering physics, Faculty of Engineering and Technology. Annamalai University, Annamalai	21/09/2017 to 22/09/ 2017

	Nager.	
International conference on new materials and arid land (LCNMAL)	St. Joseph's college of Arts and Science (Autonomous), Cuddalore.	15/032018 to 16/03/2018
Recent trend in materials science	Annamalai University, chidambaram.	18/09/2018

Research Papers Presented

Titleofthe Paper	Place	DATE
Vibrational spectroscopy investigation of 1-(pyridin-yl amino) methyl naphthalene-2-ol ab initio and density functional theory calculations	Anna University, Chennai	8/092017 to 09/09/2017.
Vibrational spectroscopy investigation of 1-(pyridin-yl amino) methyl naphthalene-2-ol ab initio and density functional theory calculations	Engineering physics, Faculty of Engineering and Technology. Annamalai University, Annamalai Nager.	21/09/2017 to 22/09/ 2017
FT-IR, FT-Raman vibrational spectra molecular structure invesrigation of NAPE combined experimental and theoretical study of DFT calculations	St. Joseph's college of Arts and Science (Autonomous), Cuddalore.	15/032018 to 16/03/2018
Synthesis, spectroscopy characterization and molecular docking study of BPTP in a Recent trend in materials science	Annamalai University, Chidambaram.	18/09/2018

Research Papers Published

Titleofthe Paper	Journal	ISSN/Volume/Year
Synthesis, spectroscopic, computational and molecular docking studies of 1-(pyridin-2-yl amino) methyl naphthalene-2-ol	Journal of Molecular Structure	0022-2860/1197/ 417-429/2019
Synthesis, spectroscopic characterisation and molecular dyanamics simulations and molecular docking study of 3-(4-bromophenyl)-1-(thiophen-2-yl)	Rasayan Journal of Chemistry	0974-1496 /12(4), 2149 – 2165/2019

prop-2-en-1 one		
Synthesis, Characterization, Spectroscopic, DFT and Molecular Docking Studies of 3-(3, 4-Dihydroxyphenyl)-1-Phenyl-3-(Phenylamino) Propan-1-One	Polycyclic Aromatic Compounds	1563-5333/1-21/2020
. FT-IR, FT-Raman, UV–Visible, NMR, DFT and molecular docking investigation of 1-(phenyl (piperidin-1-yl) methyl) naphthalene-2-ol	Results in Chemistry	2211-7156 /3,100096/2021

Key Positions/Responsibilities Held / Holding

Position/Responsibility	Institution/Organization	Period	
		From	To

Project Guidance

S.No	Project Guided	No.of Students
	UG	
	PG	
	M .Phil	

Other Details (if any)

S.No	Details