

FACULTY PROFILE

Personal Details

Name : Rev. Fr. Dr. S. Xavier
Designation : Dean of Studies & Head of Department
Department : Physics
Date of Birth : 18.02.1974
Contact Address : St. Joseph's College of Arts and Science (Autonomous)
Manjkuppam, Cuddalore – 607 001



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Area of specialization : Molecular Spectroscopy and Computational Physics

Educational Qualification

Degree/ Diploma	Subject	Institution / University	Year of Completion	Grade / Percentage
B.Sc	PHYSICS	ST. JOSEPH'S COLLEGE AFFILIATED TO MADRAS UNIVERSITY, CUDDALORE	1995	FIRST CLASS
M.Sc	PHYSICS	ANNAMALAI UNIVERISTY, CHIDAMBARAM	2006	FIRST CLASS
M.Phil	PHYSICS	ANNAMALAI UNIVERISTY, CHIDAMBARAM	2009	FIRST CLASS
PhD	PHYSICS	BHARATHIAR UNIVERISTY, COIMBATORE	2017	HIGHLY COMMENDABLE

Teaching Experience

Sl. No.	Name of the college / institution	Year		Service	
		From	To	Year(s)	Month(s)
1	St. Joseph's College of Arts and Science (Autonomous)	2011	TILL DATE	7	5

	Manjukkupam, Cuddalore – 607 001				
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Other Details

Sl. No.	Particulars	Number
1	Participation in Seminars / Conferences / Workshops	21
2	Presentation of Papers in Seminars / Conferences / Workshops	5
3	Books / Chapters Published	3
4	Papers Published in Journals	20
5	PG Projects Guided	10
6	M.Phil. Projects Guided	-

Orientation / Refresher / Faculty Enrichment Programme Attended

Title of the Programme, Place, Date.

Enrichment program on Quantum Mechanics – Loyola College, Chennai - 11-23, May 2015

Research Projects undertaken / ongoing research projects

Title of the Project	Funding Agency	Amount	Period		Status (Completed / Ongoing)
			From	To	
Probing vibrational activities, electronic properties, molecular docking and Hirshfeld surfaces analysis of 4-chlorophenyl ([(1E)-3-(1H-imidazol-1-yl)-1-phenylpropylidene] amino) oxy) methanone: A promising anti-Candida agent	Collaboration-King Suad University-Soudi Arabia-Prof. Mahammed Attia	Sharing of Knowledge	June 2017	June 2018	Completed
Synthesis, molecular structure, Hirshfeld surface, spectral investigations and	Collaboration-University Technology of	Sharing of Knowledge	January 2017	December 2018	Completed

Profile of

molecular docking study of 3-(5-bromo-2-thienyl)-1-(4-fluorophenyl)-3-acetyl-2-pyrazoline (2) by DFT method	Malaysia- Dr. Jamalis				
1-(2,5-DICHLOROTHIOPHEN-3-YL)-3-(THIOPHEN-2-YL)-2-PROPEN-1-ONE	Collaboration- Univerisity Technology of Malaysia	Sharing of Knowledge	May 2018	April 2019	Ongoing
1-(5-(3-Methylthiophen-2-yl)-3-p-tolyl-4, 5-dihydro-1H-pyrazol-1-yl) ethanone by DFT methods	Collaboration- Univerisity Technology of Malaysia	Sharing of Knowledge	May 2018	April 2019	Ongoing
Synthesis, Characterization (FT-IR , FT-Raman and NMR) and Quantum Chemical study on (E)-1-(4-Bromophenyl)-3-(5-bromothiophen-2-yl)prop-2-en-1-one	Collaboration- Univerisity Technology of Malaysia	Sharing of Knowledge	May 2018	April 2019	Ongoing

Key Positions / Responsibilities Held / Holding

Position / Responsibility	Institution / Organisation	Period	
		From	To
Dean of Studies	St. Joseph's College of Arts and Science (Autonomous)	2013	Till date
Head of the Department	St. Joseph's College of Arts and Science (Autonomous)	2015	Till date