

STAFF PROFILE

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Name : R.Vishnu Priya

Designation : Assistant Professor

Date of Entry into Service : 16.06.16

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Mobile (Optional) :

Education : M.Sc., M.Phil., Ph.D

Areas of specialization : Crystallography

Projects undertaken

Title of the Project	Name of the funding Agency	Duration	Completed/Ongoing	Amount	Remarks

Seminars Organized

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/ International	Co-ordinator/ Convener
Contemporary Physics	15 th December 2017	UGC	National	Convener

Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/ International	Organization in which attended

List of posters presented in National and International conferences

S. No	Title of the Poster	Date	Name of the Seminar/Conference	National/State/International	Organization in which attended
1.	Crystal structure of Diethyl 4(phenylsulfonylmethyl) cyclohexa-3,6-diene-1,3-dicarboxylate	November, 26-28, 2011	40 th National Seminar on Crystallography	National	Osmania University, Hyderabad, India
2.	Crystal structure of Ethyl-5-(4-chlorophenylsulfonyl)-4-hydroxy-2,6-dip-tolyl-1,2,5,6-tetrahydropyridine-3-carboxylate	November, 26-28, 2011	40 th National Seminar on Crystallography	National	Osmania University, Hyderabad, India
3.	Crystal structure of Spiro [2.2]acenaphthene-1'-onespiro[3.3']-5'-(4-fluorophenylmethylidene)-1'-methylpiperidin-4'-one-4-(4-fluorophenyl) octahydroindolizine	October 08-10, 2012.	41 th National Seminar on Crystallography	National	Center of Advanced studies in Crystallography and Biophysics, University of Madras, Chennai, Tamilnadu, India
4.	Crystal structure of Spiro[2.2]accenaphthene-1'-onespiro[3.3']-5'-(2-fluorophenylmethylidene)-1'-methylpiperidin-4'-one-4-(2-fluorophenyl) octahydroindolizine	October 08-10, 2012.	41 th National Seminar on Crystallography	National	Center of Advanced studies in Crystallography and Biophysics, University of Madras, Chennai, Tamilnadu, India
5.	Crystal structure of Spiro [2.2]1'-methylpiperidin-4'-one-spiro[2.11"]1'-methylpiperidin-4'-(4-chlorophenyl)pyrrolo-indeno[2.6] quinoxaline	January, 10-11, 2014	National Seminar on Crystallography	National	Madurai Kamaraj University Madurai, Tamilnadu, India
6.	Crystal structure and Molecular Docking study of 1-Methyl-4-(methoxyphenyl)pyrrolo-(spiro[2.3"]oxindole)-spiro[3.3']-5'-(methoxyphenylmethylidene)-N-allylpiperidin-4'-one against tumor growth inhibition	January, 6, 2017	UGC sponsored One Day International Conference on Recent trends in Materials Science and Applications	International	Sri Meenakshi Government Arts College for Women(Autonomous), Madurai-02, Tamilnadu, India

7	Crystal structure, Hirshfeld analysis and Molecular Docking studies of 4'-(2-Chlorophenyl)-1'-methyl-2''-phenyl-7'',8''-dihydro-5''H-dispiro[indoline-3,2'-pyrrolidine-3',6''-quinoline]-2,5''-dione	October 5 th and 6 th , 2017	Two day National Seminar cum Workshop on Solar Thermal and Photovoltaic Techniques	National	Dept. Solar Energy School of Energy, Environment and Natural Resources, Madurai Kamaraj University Madurai, Tamilnadu, India
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Books Published:

Title of the Book Published	ISBN No.	Publisher if any	Year of Publishing	Authored/Edited

Research Publications:

S. No	Title of the Journal	ISSN No. if any	Volume No. & Page No. if any	Year	International/National/State
1.	Spiro[5.2'']acenaphthene-1''-onespiro[6.3']-5'-(4-methoxyphenyl)methylidene-1'-methylpiperidin-4'-one-7-(4-methoxyphenyl)tetrahydro-1H-pyrrolo[1,2-c][1,3]thiazole	2056-9890	67, o3210	2011	International
2.	5''-(4-Methoxybenzylidene)-7'-(4-methoxyphenyl)-1''-methyl-5',6',7',7a'-tetrahydrodispiro[acenaphthene-1,5'-pyrrolo[1,2-c][1,3]thiazole-6',3''-piperidine]-2,4''-dione.	2056-9890	67, o3210	2011	International
3.	7'-(Naphthalen-1-yl)-5''-[(naphthalen-2-yl)methylidene]-1',3',5',6',7',7a'-hexahydrodispiro[acenaphthene-	2056-9890	68, o858-o859	2012	International

	1,5'-pyrrolo[1,2-c]thiazole-6',3''-piperidine]-2(1H),4''-dione.				
4.	5-Benzoyl-2-(1H-indol-3-yl)-4-(4-methylphenyl)-4,5-dihydrofuran-3-carbonitrile	2056-9890	68, o1124	2012	International
5.	5-Methylspiro[indoline-3,7_- [6H,7H,8H]pyrano[3,2-c :5,6-c_]di[1]benzopyran]-2,6_,8_-trione chloroform hemisolvate	2056-9890	68, o1194	2012	International
6.	(±)-trans -5-Benzoyl-2-(1H-indol-3-yl)-4-phenyl-4,5-dihydrofuran-3-carbonitrile	2056-9890	68, o1576	2012	International
7.	Intermolecular C—H · · O and C—H · · X interactions in substituted spiroacenaphthylene structures	2053-2296	68, o257– o261	2012	International
8.	(±)-trans -5-Benzoyl-4-(3-bromophenyl)-2-(1H-indol-3-yl)-4,5-dihydrofuran-3-carbonitrile	2056-9890	68, o2397	2012	International
9.	5 -(2,4-Dichlorobenzylidene)-1 -(2,4-dichlorophenyl)-1 _methyl- ,2 ,3 ,5 ,6 ,7 ,8 ,8a' -octahydrodispiro[acenaphthylene-1,3 -indolizine-2 ,3 _piperidine]-2,4 (1H)-dione	2056-9890	68, o2906	2012	International
10.	Spectral analysis and crystal structure of two substituted spiroacenaphthene structures	2241-0090	1, 183-188	2012	International
11.	Crystal structural studies of ethyl-5-(4-chlorophenylsulfonyl)-4-hydroxy-2, 6-dip-tolyl-1, 2, 5, 6-tetrahydropyridine-3-carboxylate and diethyl 4-hydroxy-2-(4-nitrophenyl)-5-(phenylsulfonyl)6-(phenylsulfonylmethyl)cyclohexa-3,6-diene-1,3-dicarboxylate	2241-0090	1, 189-195	2012	International
12.	Spectral Analysis and Crystal Structure of Spiro[2.2] Acenaphthene-1 -One-Spiro[3.3']-5'-(2,3-Dichlorophenyl Methylidene)-1' -Methylpiperidin-4'-One-4- (2,3-Dichlorophenyl) Octahydroindolizine	2169-2505	1, 74-78	2012	International
13.	N-H · O and N-H · N interactions in three pyran derivatives	2053-2296	69, 642-646	2013	International
14.	(3E,5E)-1-Allyl-3,5-bis(4-methoxybenzylidene)piperidin-4-one	2056-9890	69, o1071	2013	International

15.	4-(4-Fluorophenyl)-6-methylamino-5-nitro-2-phenyl-4H-pyran-3-carbonitrile	2056-9890	69, o687-o688	2013	International
16.	5''-(4-Nitrobenzylidene)-7''-(4-nitrophenyl)-1''-methyl-1',3',5',6',7',7a'-hexahydrodispiro[acenaphthylene-1,5'-pyrrolo[1,2-c][1,3]thiazole-6',3''-piperidine]-2,4''(1H)-dione including an unknown solvate	2056-9890	69, o1208-o1209	2013	International
17.	5''-(2-Fluorobenzylidene)-1''-(2-fluorophenyl)-1''-methyl-1',2',3',5',6',7',8',8a'-octahydrodispiro[acenaphthylene-1,3'-indolizine-2',3''-piperidine]-2,4''(1H)-dione	2056-9890	69, o1291-o1292	2013	International
18.	4-(4-Methoxyphenyl)-6-methylamino-5-nitro-2-phenyl-4H-pyran-3-carbonitrile	2056-9890	69, o451	2013	International
19.	Synthesis, spectroscopic and docking studies of naphthyl substituted di-spiro octahydroindolizine	2231-1815,	3(4), 479-489	2013	International
20.	C-H O and C-H N interactions in three hexahydrocycloocta-[b]pyridine-3-carbonitriles	2053-2296	70, 236-240	2014	International
21.	Crystal structure of 2-(2-bromophenyl)-4-(1H-indol-3-yl)-6-(thiophen-2-yl)pyridine-3-carbonitrile	2056-9890	70, o968-o969	2014	International
22.	Crystal structure of 2-(4-chlorophenyl)-4-(1H-indol-3-yl)-6-phenylpyridine-3-carbonitrile	2056-9890	70, o978	2014	International
23.	4-(2-Fluorophenyl)-2-methoxy-5,6,7,8,9,10-hexahydrocycloocta-[b]pyridine-3-carbonitrile	2056-9890	70, o872	2014	International
24.	2-Methoxy-4-(2-methoxyphenyl)-5,6,7,8,9,10-hexahydrocycloocta-[b]pyridine-3-carbonitrile	2056-9890	70, o656	2014	International
25.	Crystal structure of 4-(1H-indol-3-yl)-2-(4-methoxyphenyl)-6-phenylpyridine-3-carbonitril	2056-9890	70, o1120-o1121	2014	International
26.	Crystal structure and docking studies of hexahydrocycloocta[b]pyridine-3-carbonitriles	22410090	Vol. 3, No. 2	2014	International
27.	Homology modeling of Mycobacterium tuberculosis H37R _v	2349-5359	3, 289-298	2016	International

	RpoB protein and docking studies of some novel spiroacenaphthene compounds as their potential inhibitors				
28	Crystal structure and Hirshfeld surface analysis of 4'-(2chlorophenyl)-1'-methyl-3''-phenyl-7'',8''-dihydro-5'' H -dispiro[indoline-3,2'-pyrrolidine-3',6''-isoquinoline]-2,5''-dione	2056-9890	E74, 660-663	2018	International
29	Four-component Domino Synthesis of Pyrazolo[3,4-h]quinoline-3carbonitriles: 'Turn-off' Fluorescent Chemosensor for Fe ³⁺ Ions	0022-3263		2018	International
30	Synthesis of indole–cycloalkyl[b]pyridine hybrids via a four-component six-step tandem process	1860-5397	2907-2915	2018	International
31	Crystal structure of 7'-(4-chlorophenyl)-2''-(4methoxyphenyl)-7',7a',7'',8''-tetrahydro1'H,3'H,5''H-dispiro[indoline-3,5'-pyrrolo[1,2-c]thiazole-6''-quinoline]-2,5''-dione and an unknown solvent	2056-9890	E75, 189-193	2019	International

Research Activities

Degree	No. Awarded	No. Submitted	No. Guiding
M.Phil.,	1		
Ph.D.,(Part-time)			
Ph.D. (Full-time)			

Details of Invited Lecture / Resource Person

Place	Date	Sponsoring Agency	Topic	Audience type	International/National/State Level

Academic council/Board of Studies Member

Institution	For a period of	Dept.

Honours Achieved

Agency	Recognition IN/National/State	Cash award if any(Amount)	For the service of

Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.,)

Whether NSS/NCC/AEEP/YRC	Period

Reviewer/editor of a journal

Title of the Journal	ISSN No. if any	International/ National/State	Impact factor/h- index

Details of Orientation and Refresher attended

Orientation/Refresher	University/College/Institute at which attended	Duration	
		From	To
Orientation	Bharathidasan University, Tiruchirapalli	18.5.2018	14.6.2018

Any other information

1. Acted as a convener for the one day UGC sponsored extension programme conducted by the department on 4th January 2017 at ArulmiguAndavarSubramaniaSwamy Girls Hr. Sec. School, Thirupparankundram.
2. Acted as a convener for the club activities —PHYSOTSAV- 2017 organized by the department on 3rd February 2017
3. Member of the IQAC in the academic year 2017-2018
4. Acted as a convener for the one day UGC sponsored seminar titled —Contemporary Physics organized by the department on 15th December 2017.
5. Organised a guest lecture on 9th February 2019 with the title “Origin of Quantum Physics” and “ Physics before $F = ma$ ” by Prof.S.V.M.Sathanarayana