## **RESUME**



Name: Dr. D. Prem Anand Designation: Assistant Professor Department: Physics

Address: Plot 30, Narasimmapuram, Kakalur, Tiruvellore,

Tiruvellore District, Tamilnadu - 602001

## PERSONAL DETAILS

Date of Birth : 22.11.1974

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

Designation : Assistant Professor

Department : Physics

Community : BC

Religion : R.C. Christian

Nationality : INDIAN

Mobile : +91 9994292586

Email ID : <a href="mailto:dpremanand@yahoo.co.in">dpremanand@yahoo.co.in</a>

ACADEMIC QUAI	LIFICATIONS			
Degree	Specialization	College	University	Year of
				Passing
B.Sc.	Physics	Loyola College	University of	1994
		(Autonomous),	Madras	
		Chennai		
M.Sc.	Physics	Loyola College	University of	1996
		(Autonomous),	Madras	
		Chennai		
M.Phil.	Physics	Loyola College	University of	2001
		(Autonomous),	Madras	
		Chennai		
Ph.D.	Physics	Loyola College	University of	2006
		(Autonomous),	Madras	
		Chennai		
ACADEMIC IDEN	TITY		<b>'</b>	<u> </u>
*VIDWAN ID				
*ORCID ID				
*SCOPUS ID				
*RESEARCHER ID/ PUBLONS ID				
GOOGLE SCHOLAR	LINK			

TEACHING EXPERIENCE		
Date of Appointment	22.10.2007	
Date of Retirement	21.10.2034	
Teaching Experience	UG - 20 Years, PG – 10 Years, MPhil – 7 Years	
Research	Guided Ph D: 14, Guiding PhD Scholar: 4	

COURSES/CLAS	NAME OF THE	DURATION		
SES TAUGHT	INSTITUTIONS	From	To	Years
B.Sc., M.Sc.,	St. Xavier,s College	2007	Till Date	15

B.Sc., M.Sc.,	Loyola College, Chennai	2001	2006	5
MPhil.,				

ADMI	ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR	
1	HoD of Physics	St. Xavier's College	2017-2022	

MEMBE	MEMBERSHIP			
S. No	Designation	Particulars Particulars		
1.				
2.				
3.				
4.				
5.				

ORIE	ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT				
PROC	PROGRAMME UNDERGONE ( )				
S. No	S. No Name of the Training Name of the Place and Date				
		Sponsoring Agency			
1	Orientation Course	Himachal Pradesh	Shimla, 2009		
		University, Shimla			
2	Refresher Course - 1	Jawaharlal Nehru	Delhi, 2012		
		Univeristy, Delhi			
3	Refresher Course - 2	Central University of	Hyderabad, 2020		
		Hyderabad			

DETAIL	S OF RESEARCH WORK	
Research Stages	Title of the Thesis	University where the work was carried
		out

M.Phil.	Study of Physico-Chemical parameters and Processing	Madras University
	of Oasis pure Drinking Water	
Ph.D.	An Investigation on the growth and Characterization	Madras University
	of Organic NLO crystals of BG, NMU and LAF	

AREAS OF RESEARCH
Nano Materials
Crystal Growth
Materials Science
Polymers

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project	Name of the Funding Agency& Amount	Duration
1	An Investigation on the growth and characterisation studies of organic Imine family of NLO crystals for photonics device Fabrication.	Funded by UGC, <b>Rs. 15,80,000/-</b>	2011-2014
2	Synthesis and characterisation of MgO, CoO and TiO2 nanaomaterials for optoelectronic applications	Funded by TNSCST, <b>Rs. 2,00,000/-</b>	2011-2013
3	Studies on swift heavy ion irradiated 2-Amino 5-Nitro Pyridine single crystals adducts for laser generation.	Funded by BRNS-DAE, <b>Rs. 16,00,000</b>	2013-2016

<b>PUBLICATIONS</b>				
BOOKS	BOOK	SCOPUS	WEB OF	UGC
	CHAPTERS		SCIENCE	LISTED

OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

BOOK	BOOK CHAPTERS ()					
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No			

PU	PUBLICATIONS: SCOPUS INDEXED JOURNALS ()WEB OF SCIENCE ()				
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No		
1	The role of metallic dopants on the optical and photoconductivity properties of pure and doped potassium pentaborate (KB5) single crystals.	Materials Chemistry and Physics	Materials Chemistry and Physics 84 (2004)157.		
2	Effect of metallic substitution on the optical, mechanical and photoconducting properties of Larginium diphosphate single crystals.	Indian Journal of Pure and Applied Physics	Indian Journal of Pure and Applied Physics 43 (2005) 463.		
3	Growth and characterization of pure and aniline doped Benzoyl Glycine single crystals.	Indian Journal of Pure and Applied Physics	Indian Journal of Pure and Applied Physics 43 (2005) 863-868.		
4	Growth, optical and thermal characterization of pure and doped (Mg <sup>2+</sup> , Cu <sup>2+</sup> , Ni <sup>2+</sup> , Ca <sup>2+</sup> ) KDP single crystals.	Convergence 7 (2005) 45-51.	Convergence 7 (2005) 45-51.		
5	Growth and characterization of semiorganic Non-linear Optical LHB single crystal.	Materials Chemistry and Physics 93 (2005) 272-276.	Materials Chemistry and Physics 93 (2005) 272-276.		

		1	
6	Growth and optical characterization of Cu- and Mg-	Journal of Crystal	Journal of Crystal
	substituted L-arginine di phosphate single crystals.	Growth, 280 (1-2)	Growth, 280 (1-2)
		(2005) 271-278.	(2005) 271-278.
		(2003) 271 270.	(2003) 271 270.
7	Growth and characterization of pure and metal	Crystal Research	Crystal Research
'	=	•	_
	doped BTZC single crystals, ,	Technology, 41	Technology, 41
		(2006) 766-770.	(2006) 766-770.
8	Crystal growth, optical, mechanical and electrical	Crystal Research	Crystal Research
	properties of organic NLO material γ-glycine.,	Technology 41	Technology 41
		(2006) 671-677.	(2006) 671-677.
9	Growth and characterization of pure, Benzophenone	Materials	Materials
	and Iodine doped Benzoyl Glycine single crystals.	Chemistry and	Chemistry and
		Physics 97 (2006)	Physics 97 (2006)
		501-505.	501-505.
		301 303.	301 303.
10	Growth and Characterization of dichloro tetrakis	Crystal Research	Crystal Research
	thiourea nickel single crystals.	Technology 41	Technology 41
	unoured meker single erystais.	(2006) 1082.	(2006) 1082.
		(2000) 1002.	(2000) 1002.
11	Growth and characterization of N-methyl urea single	Convergence 7	Convergence 7
11			- C
	crystals.	(2006) 52-58.	(2006) 52-58.
12	Growth and characterization of gel grown single	Indian Journal of	Indian Journal of
12			-
	crystals of cadmium mercury thiocyanate.	Pure and Applied	Pure and Applied
		Physics, 44 (2006)	Physics, 44 (2006)
		243-247.	243-247.
13	Growth and Characterization of pure and acetanilide	Convergence 8	Convergence 8
	doped HA crystals.	(2006) 47-53.	(2006) 47-53.
14	Study of optical, electrical and magnetic properties	Materials and	Materials and
	of Tetrakis thoioura nickel chloride single crystals.	Manufacturing	Manufacturing
	•	Processes. 22	Processes. 22
		(2007) 346-350.	(2007) 346-350.
15	Growth and characterization of a new nonlinear	Optical Materials,	Optical Materials,
	optical L-Histidine acetate single crystals.	29 (2007) 1211-	29 (2007) 1211-
	optical D Thistianic acctate single crystais.	1216.	1216.
		1210.	1210.
16	Growth, synthesis and spectral studies of N-	Convergence 9	Convergence 9
10		2007	2007
	phenylbenzamide NLO single crystals.	2007	2007
17	Influence of Metallic Substitutions on the optical and	Journal of <i>Material</i>	Journal of <i>Material</i>
1 /	_		
	mechanical properties of NLO Benzoyl Glycine	Science and	Science and
	crystals.	Technology, 24 (6)	Technology, 24 (6)
		2008, 891-894.	2008, 891-894.
18	Photoconductivity, dielectric and thermal	Journal of Physics	Journal of Physics
	investigation of pure, benzophenone and iodine	and Chemistry of	and Chemistry of
	doped benzoyl glycine NLO single crystals.		
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		Solids 69 (2008) 2634-2638.	Solids 69 (2008) 2634-2638.
19	Investigation on the mechanical, dielectric and photoconductivity properties of N-Methyl Urea NLO single crystals.	Indian Journal of Physics, 82 (10) 1-6 (2008).	Indian Journal of Physics, 82 (10) 1-6 (2008).
20	Dielectric and photoconductivity studies of N-phenylabenzamide, cadmium and copper doped benzoylglycine NLO single crystals.	Convergence 10(1-4) (2008) 17-20	Convergence 10(1-4) (2008) 17-20
21	Spectral, dielectric and thermal properties of Triketohydrindane hydrate single crystals.	Crystal Growth and Design 9 (5) (2009) 2061-2064.	Crystal Growth and Design 9 (5) (2009) 2061-2064.
22	Growth and spectroscopic studies of L-argininum formate NLO single crystals.	Indian Journal of Pure and Applied Physics 47 (2009) 332-336.	Indian Journal of Pure and Applied Physics 47 (2009) 332-336.
23	Growth, Spectral and Thermal Properties of Organic Nonlinear Optical Active Morpholin-4-ium- hydroxybenzoate Single Crystal.	Materials and Manufacturing Procesess,(2010) 978-981.	Materials and Manufacturing Procesess,(2010) 978-981.
24	An Investigation on the Spectral and Microhardness studies of novel Morpholin-4-ium 3 carboxy-2, 3-dihydroxypropanoate NLO Single Crystal.	Materials and Manufacturing Proceses,(2010) Article in press.	Materials and Manufacturing Proceses,(2010) Article in press.
25	Synthesis, Growth and Characterization of 4-Benzeneazoaniline Single Crystal.	J. Minerals and Materials characterization and Engineering 9,11(2010) 961-972	J. Minerals and Materials characterization and Engineering 9,11(2010) 961-972
26	Characterization of a newly synthesized organic non- lineart optical crystal: Benzoyl Valine.	Eur.Phys.J. Applied Physics 50 (2010) 20	Eur.Phys.J. Applied Physics 50 (2010) 20
27	Synthesis, growth, optical and thermal properties of a new organic crystal semicarbazone of panisaldehyde (SPAS).	Ind. J. Science & Tech. 3 (2010) 885-889.	Ind. J. Science & Tech. 3 (2010) 885-889.
28	Studies on the Growth and Characterization of an Optoelectronic Triketohydrindane Hydrate NLO Single Crystal.	Indian Journal of Physics,(2011), Communicated	Indian Journal of Physics,(2011), Communicated
29	The influence of metallic substitution on the physicochemical properties of 8-hydroxyquinoline NLO single crystals.	J.Phys. Chem. Solids (2011) Communicated	J.Phys. Chem. Solids (2011) Communicated
30	A facile synthesis and characterization studies of pure MgO and CD doped MgO nanocrystals for modern materials design.	J.Nanoscience &Nanotechnology (2011) Communicated	J.Nanoscience &Nanotechnology (2011) Communicated

One pot synthesis and characterization studies of cesium doped SnO <sub>2</sub> nanocrystals via a hydrothermal process.   J. Material Science and Technology (2011) Article in Press and Technology (2011) Article in Press   Eur.Phys.J. Applied Physics (2011)   Communicated   Physics (2011)   Communicated   Communicated   Communicated   Synthesis and characterization studies of cadmium doped MgO nanocrystals for optoelectronics application   Doped SnO2 Nanocrystals via a Hydrothermal Process   J. Mater. Sci.   Technol., 2012, 28(1), 15-20.   Socience Research, 2011, 2 (6):131-138   J. Mater. Sci.   Technol., 2012, 28(1), 15-20.   J. Phys. and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400   Applied conditions   Arapidication   Applied conditions   Arapidication   Applied conditions   J. Phys. and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400   Applied conditions   Applied conditions   Applied conditions   Arapidication   Applied conditions   A	2.1		T 3.6 1.0 .	T 3 6
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Press   Pres		cesium doped SnO <sub>2</sub> nanocrystals via a hydrothermal		
Synthesis, Growth, optical transmission and TG studies of M4CDP NLO single crystals.   Eur.Phys.J. Applied Physics (2011)   Communicated Physics (2011)   Communicated   Pelagia Research   Library Advances in Applied Science   Research, 2011, 2   (6):131-138   (6		process.	, ,	` '
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33 An Investigation on the spectral and microhardness studies of novel M4CDP NLO single crystals.   C2011)   Communicated		studies of M4CDP NLO single crystals.	I	
studies of novel M4CDP NLO single crystals.    Communicated Communicated Communicated doped MgO nanocrystals for optoelectronics application   Pelagia Research Library Advances in Applied Science Research, 2011, 2 (6):131-138 (7):131-138 (7):131-			Communicated	Communicated
Communicated   Pelagia Research   Library Advances in Applied Science   Research, 2011, 2 (6):131-138   One Pot Synthesis and Characterization of Cesium   Process   Doped SnO2 Nanocrystals via a Hydrothermal   Process   Doped SnO2 Nanocrystals via Hydrothermal   Process   Doped SnO2 Nanocrystals via Hydrothermal   Process   Doped SnO2 Nanocrystal via Hydrothermal   Process   Doped SnO2 Nanocrystal via Hydrothermal   Process   Doped SnO2 Nanocrystal via Hydrothermal   Process   Doped Nanocrical   Process   Doped Nanocrical   Process   Doped Nanocrical   Process   Doped Nanocrical   Process   Process   Doped Nanocrical   Process   Process   Nanocrical   Nanocrical   Process   Nanocrical   Process   Process   Doped Nanocrical   Process   Process   Process   Process   Proces	33	<u>.</u>		· · · · · · · · · · · · · · · · · · ·
Synthesis and characterization studies of cadmium doped MgO nanocrystals for optoelectronics application   Pelagia Research   Library Advances in Applied Science Research, 2011, 2 (6):131-138 (6):		studies of novel M4CDP NLO single crystals.		,
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Research, 2011, 2 (6):131-138 (7) (6):131-138 (7) (7) (6):131-138 (7) (7) (7) (7) (7) (7) (7) (7) (7) (7)		doped MgO nanocrystals for optoelectronics	Library Advances	Library Advances
Composition   Communicated   Communicated   Communicated   Communicated   Communicated   Communicated   Communicated   Composition   Communicated   Composition   Communicated   Composition   Communicated   Composition   Communicated   Composition   Composition   Communicated   Composition   Communicated   Composition   Composition   Communicated   Communicated   Composition   Communicated   Communicated   Composition   Communicated   Commu		application	in Applied Science	in Applied Science
35 One Pot Synthesis and Characterization of Cesium Doped SnO2 Nanocrystals via a Hydrothermal Process   Technol., 2012, 28(1), 15-20.     36 A facile hydrothermal route to synthesize novel PbI2   A facile hydrothermal route to synthesize novel PbI2   J. Phys. and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400 p. 139			Research, 2011, 2	Research, 2011, 2
Doped SnO2 Nanocrystals via a Hydrothermal Process  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel PbI2 nanorods  A facile hydrothermal route to synthesize novel facile hydrox nanorods  A rapid and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400  Applied Nanoscience (2012): 1-5  Acta cryst. (2012), E68, 0299  B68,			(6):131-138	(6):131-138
Process 28(1), 15-20. 28(1), 15-20. J. Phys. and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400 p. 1396-1400 Applied Nanoscience (2012): 1-5  38 Morpholin-4-ium hydrogen L-tartrate monohydrate characterization of THH single crystals for NLO applications. Communicated Communicated Communicated Studies on the growth and characterization of Benzoyl Alanine NLO single wrystal studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  41 An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  42 Synthesis, Growth, Optical transmission and thermogravimetric studies of Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  43 Studies on the growth and characterization of a new nonlinear opticalcopper guanidinium single crystals Sciencia Acta Xaveriana 2(2), (2011) 81-90  44 Synthesis and characterization studies of CdO nano rods by wet chemical method  45 Structural and Spectral studies of Sulphamic Acid NLO single crystal  55 Structural and Spectral studies of Sulphamic Acid NLO single crystal  56 Sinecia Acta Xaveriana 3(1), (2012) 61-66 (2012) 61-6	35	One Pot Synthesis and Characterization of Cesium	J. Mater. Sci.	J. Mater. Sci.
A facile hydrothermal route to synthesize novel Pbl2 nanorods  A facile hydrothermal route to synthesize novel Pbl2 nanorods  A facile hydrothermal route to synthesize novel Pbl2 pandrods  A facile hydrothermal of Solids, Volume 73, Issue 11, (2012) p. 1396-1400  Applied Applied Nanoscience (2012): 1-5  Acta cryst. (2012). E68, 0299  An Investigation on the Physico-chemical characterization of THH single crystals for NLO applications.  An investigation on the spectral and microhardness studies on for lovel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  Synthesis, Growth, Optical transmission and thermogravimetric studies of Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  Synthesis and characterization studies of CdO nano rods by wet chemical method  Structural and Spectral studies of Sulphamic Acid NLO single crystal  Structural and Spectral studies of Sulphamic Acid NLO single crystal  A rapid and versatile method for solvothermal Applied Applied Nanoscience (2012): 1-5  Acta cryst. (2012), E68, 0299  Beta Acta cryst. (2012), E68, 0299  Beta Cryst. (2012), E68, 0299  Communicated Sciencia Acta Xaveriana 2(2), (2011) 61-72  Communicated Sciencia Acta Xaveriana 2(2), (2011) 61-72  Communicated Sciencia Acta Xaveriana 2(2), (2011) 73-80  Sciencia Acta Xaveriana 2(2), (2011) 73-80  Sciencia Acta Xaveriana 3(1), (2012) 11-26  Sciencia Acta Xaveriana 3(1), (2012) 11-26  Sciencia Acta Xaveriana 3(1), (2012) 11-26  Sciencia Acta Xaveriana 3(1), (2012) 61-66		Doped SnO2 Nanocrystals via a Hydrothermal	Technol., 2012,	Technol., 2012,
nanorods  nanoroda  nanorods  nanoroda  nanoro			28(1), 15-20.	28(1), 15-20.
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A rapid and versatile method for solvothermal synthesis of Sb2O3 nanocrystals under mild conditions  Applied Nanoscience (2012): 1-5 (2012): 1-5  Acta cryst. (2012). 1-5  Acta cryst. (2012). E68, o299 E68, o299  Beas, o299 E68, o299  An Investigation on the Physico-chemical characterization of THH single crystals for NLO applications.  Communicated Communicated Communicated Sciencia Acta Xaveriana 2(2), (2011) 61-72  An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  Synthesis, Growth, Optical transmission and thermogravimetric studies of Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  Studies on the growth and characterization of a new nonlinear opticalcopper guanidinium single crystals  Studies on the growth and characterization of a new nonlinear opticalcopper guanidinium single crystals  Studies on the growth and characterization of a new nords by wet chemical method  Sciencia Acta Xaveriana 3(1), (2012) 11-26  Sciencia Acta Xaveriana 3(1), (2012) 11-26  Sciencia Acta Xaveriana 3(1), (2012) 61-66  Structural and Spectral studies of Sulphamic Acid NLO single crystal  Structural and Spectral studies of Sulphamic Acid NLO single crystal			of Solids, Volume	of Solids, Volume
A rapid and versatile method for solvothermal synthesis of Sb2O3 nanocrystals under mild conditions   Applied Nanoscience (2012): 1-5 (2012): 1-5 (2012): 1-5 (2012): 1-5 (2012): 1-5			73, Issue 11, (2012)	73, Issue 11, (2012)
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synthesis of Sb2O3 nanocrystals under mild conditions  Morpholin-4-ium hydrogen L-tartrate monohydrate  Sala Morpholin-4-ium hydrogen L-tartrate monohydrate  Acta cryst. (2012); 1-5  Acta cryst. (2012), E68, o299  Bef8, o299  J. Phys. & Chem. Of Solids, (2011)  Applications.  Of Solids, (2011)  Acta cryst. (2012), E68, o299  J. Phys. & Chem. Of Solids, (2011)  Communicated  Communicated  Communicated  Sciencia Acta  Xaveriana 2(2), (2011) 61-72  An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal  Synthesis, Growth, Optical transmission and thermogravimetric studies of Morpholin-4-ium, 3-carboxy-2,3-darboxy-2,3-dihydroxy propanoate NLO Single  Crystal  Studies on the growth and characterization of a new nonlinear opticalcopper guanidinium single crystals  Synthesis and characterization studies of CdO nano rods by wet chemical method  Structural and Spectral studies of Sulphamic Acid  NLO single crystal  Nanoscience (2012): 1-5  Acta cryst. (2012), Acta cryst. (2012), Ceffs, o299  Bef8, o299  J. Phys. & Chem. Of Solids, (2011)  Of Solids, (2011)  Communicated  Sciencia Acta  Xaveriana 2(2), (2011) 61-72  Sciencia Acta  Xaveriana 2(2), (2011) 61-72  Sciencia Acta  Xaveriana 2(2), (2011) 73-80  Sciencia Acta  Xaveriana 2(2), (2011) 73-80  Sciencia Acta  Xaveriana 3(1), (2012) 11-26  Sciencia Acta  Xaveriana 3(1), (2012) 11-26  Sciencia Acta  Xaveriana 3(1), (2012) 61-66  Structural and Spectral studies of Sulphamic Acid  NLO single crystal	37	A rapid and versatile method for solvothermal	Applied	Applied
Conditions   Conditions   Coll2): 1-5   Coll2): 1-5			Nanoscience	Nanoscience
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46	Studies on the growth and characterization of	Sciencia Acta	Sciencia Acta
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	40Nitrophenol doped Benzoyl Glycine NLO single	Xaveriana 3(1),	Xaveriana 3(1),
	crystal	(2012) 79-86	(2012) 79-86
48	Uniaxial Growth and Characterization studies of	Res. J. Recent Sci.	Res. J. Recent Sci.
	[(para methoxy phenyl)imino]benzene NLO crystal	1(10), 37-44,	1(10), 37-44,
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49	The influence of Benzophenone substitution on the	J. Minerals and	J. Minerals and
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	Quinoline NLO single crystal	Characterization	Characterization
	Quinomic 1,20 single elystal	Enggineering(2012)	Enggineering(2012)
		11(8), 769-773.	11(8), 769-773.
50	Studies on the Synthesis, Growth and	J. Minerals and	J. Minerals and
30	Characterization of([Paranitrophenyl]Imino)	Materials	Materials
	Benzene NLO Crystal By Sankaranarayanan-	Characterization	Characterization
	Ramasamy Method	Engineering(2012)	Enggineering(2012)
51		Materials Today:	Enggmeering(2012)
31	Preparation and characterization studies of nano	•	
	graphene oxide	Proceedings	
52	Crouth asia and ah anastanination of ahitasan	M 1 - T - 1	
52	Synthesis and characterization of chitosan	Materials Today:	
	encapsulated nickel oxide	Proceedings	
	nanoparticles modified with folic acid		
53	Synthesis Characterisation and Antihostorial	Lours al of Matural	ISSN: 1673-064X,
33	Synthesis, Characterisation and Antibacterial	Journal of Natural	· ·
	Activity of Aluminium Oxide Nano Particles	Xi'an Shiyou	Vol 8, Issue 14, pp
		University, Natural	263-267
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54	Synthesis, characterizations and	International	ISSN :2455
	Antibacterial Studies of Chromium trioxide	Journal for Modern	3778Vol 8 (1),pp
	Nanoparticles	Trends in Science	252-258
	D / 11 / 2 / 2 / 2 CM O	and Technology	ICON 1670 06437
55	Preparation and characterization studies of Mn <sub>3</sub> O <sub>4</sub>	Journal of Natural	ISSN: 1673-064X,
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	Graphene sheet composites	University, Natural	413
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56	Synthesis and Characterization studies of	Journal of Natural	ISSN: 1673-064X,
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58	Photoluminescence Photoconductivity Thermal	LISRET	Volume 4   Issue 1
58	Photoluminescence, Photoconductivity, Thermal, Microhardness and Dielectric Properties of Silver	IJSRET	Volume 4   Issue 1   Print ISSN: 2395-
58	Photoluminescence, Photoconductivity, Thermal, Microhardness and Dielectric Properties of Silver Nitrate	IJSRET	Volume 4   Issue 1   Print ISSN: 2395- 1990

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59	Synthesis and Characterization Studies of Pure ZnO and Bentonite Doped ZnO Nanocrystals	Journal of Emerging Technologies and Innovative Research	Vol 8(9), ISSN 2349-5162
60	Dielectric, Microhardness and Thermal Properties of Swift Ion (Au3+) Irradiated NLO Single Crystal: 2- Amino-5-Nitropyridinium Sulfamate (2A5NPS)	IOP Conf. Series: Materials Science and Engineering	
61	Antibacterial Activities of Guanidine Family Single Crystals against Bacillus Subtilis and Staphylococcus Aerus	Journal of Chemical, Biological and Physical Sciences	Vol 8(1), pp 46-50
62	STUDY ON SECOND ORDER NONLINEAR PROPERTIES OF ORGANIC MATERIAL: GUANIDINE HYDROGEN MALEATE SINGLE CRYSTALS	Journal of Chemical, Biological and Physical Sciences	
63	Irradiation effect of Au3+ on 2-amino-5- nitropyridinium sulfamate (2A5NPS) NLO single crystal	AIP Conference Proceedings	2270(1), 100002
64	A UV Transmittable NLO crystal Hydrofluoric Acid Mixed Sulphamic acid (FASA): Synthesis, Growth and Characterization	International Journal of Scientific Research in Science and Technology	
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66	Crystal growth and characterization of Au3 + ion irradiated 2-amino-5-nitropyridinium hydrogen oxalate (2A5NPHO)	Molecular Crystals and Liquid Crystals	Vol 664(1) Pp 195-217
67	Crystal growth and characterizations of an efficient semiorganic nonlinear optical (NLO) single crystal: 2-amino 5-nitropyridinium chloride (2A5NPCl) by assembled temperature reduction apparatus (ATR) method	<u>Materials Research</u> <u>Innovations</u>	<u>ISSN: 1432-8917</u> <u>Vol 23(2), pp 1-6</u>
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12	phosphate (LTP) a new semiorganic NLO crystal	Journal for Light	120(24), Sep 2013
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13	Chemical Characterization Studies of Benzil NLO	Journal for Light	120(21); Bep 2013
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74	Growth and Characterization studies of a New NLO	<u>International</u>	126(23), Aug 2015
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76	Crystal structure of 2-amino-5-		ISSN 2056-9890
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70	measurements of poly (N-vinyl pyrrolidone)-	Condensed Matter	430, NOV 2014
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79	Ionic conductivity studies on plasticized proton	International	6(13):5235-5240
19	conducting solid polymer electrolyte complexes	Journal of	0(13).3233-3240
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80	Growth and characterization of a new organic	International	125(16):4295-4301
80	nonlinear optical crystal: Vanillylideneaniline		123(10).4293-4301
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81	2-Amino-5-nitro-pyridinium hydrogen oxalate		ISSN 1600-5368
01	2-Annio-5-muo-pyriainium nyarogen oxarate	Acta Crustalla angulia a	
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82	Measurement of Natural Radioactivity and  Evaluation of Padiation Hazards in Coastal	Journal of Taibah	8(4), Mar 2014
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84	Characterization of plasticized proton conducting	<u>International</u>	6(13):5372-5377
	polymer electrolyte and its application in primary	Journal of	
	<u>proton battery</u>	<u>ChemTech</u>	
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	Sankaranarayanan-Ramasamy Method	and Engineering	

AS A RESOURCE PERSON					
S. No	Name of the Event	Name of the Sponsoring	Place and Date		
1		Agency	T. 1 : 2012		
1	Seminar on Nanomaterials	Nallamani Yadava College, Tenkasi	Tenkasi, 2012		

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()					
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date		

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

COUNTRIES VISITED					
Dubai					

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)				

Date: 23.08.2022 Name: Dr. D. Prem Anand