

PERSONAL INFORMATION

1. Name : **Dr. A. SINTHIYA. M.Sc, M.Phil, Ph.D, TNSET-2018**
2. Father's Name : S. Arockiaswamy
3. Date of Birth : 12.10.1978
4. Gender : Female
5. Nationality : INDIAN
6. Religion : Roman Catholic
7. Community : BC
8. Marital Status : Married
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11. Postal Address : W/O. S.Richard, T3 Fourth Floor, Srinivasa Flats, Kathiravan Nagar, Thiruvalluvar Avenue, No-1 Tolgate, Trichy-621216. Tamil Nadu, India
12. Office Address : Assistant Professor, Department of Physics, St. Joseph's College (Autonomous), Trichy-620002, Tamilnadu, India



13. Educational qualification:

Qualifications Obtained	Institutions / Universities attended	From	To
SET	Tamil Nadu State Government	2018	-
Ph.D- PHYSICS (CRYSTALLOGRAPHY)	St. Joseph's College (Autonomous), Trichy-620002, Tamilnadu, India, / Bharathidasan University	January-2009	August-2013
MPhil -PHYSICS (THIN FILM PHYSICS)	Urumu Dhanalaksmi College, Trichy 620019, Tamil Nadu, India / Bharathidasan University	Aug-2003	April-2006
MSc- APPLIED PHYSICS (COMPUTER ELECTRONICS)	Urumu Dhanalaksmi College, Trichy 620 019, Tamil Nadu, India / Bharathidasan University	June-1999	April- 2001
B.Sc - (PHYSICS)	Holy Cross College (Autonomous), Trichy-620002, Tamil Nadu, India / Bharathidasan University	June- 1996	May-1999

14. Teaching Experience: 15 years (UG & PG) ,(MPhil & Ph.D –From 2015 to till date 04 years)

Dates		Position Held	Name of the Institution	Reason for leaving
From	To			
17-06-2019	Till date	ASSISTANT PROFESSOR	DEPARTMENT OF PHYSICS, ST. JOSEPH'S COLLEGE, TRICHY-620002, TAMIL NADU, INDIA	To enhance research
SEPT-2014	MAY-2019	ASSOCIATE PROFESSOR	DEPARTMENT OF PHYSICS, SRIMAD ANDAVAN ARTS AND SCIENCE COLLEGE(Autonomous), TRICHY-620005	To get excellent experience in teaching cum research
JUNE-2011	JUNE-2013	ASSISTANT PROFESSOR	DEPARTMENT OF PHYSICS, ST. JOSEPH'S COLLEGE, TRICHY-620002, TAMIL NADU, INDIA	To get Experience in Research
JUNE-2005	JUNE 2010	ASSISTANT PROFESSOR	DEPARTMENT OF ELECTRONICS, ST. JOSEPH'S COLLEGE, TRICHY-620002, TAMIL NADU, INDIA	To complete PhD course.
AUG-2003	MAY-2005	LECTURER	DEPARTMENT OF PHYSICS, VIVEKANANDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ELEYAMPALAYAM, NAMAKKAL, TAMIL NADU, INDIA	To start PhD course
NOV-2001	AUG-2003	ASSISTANT PROFESSOR	DEPARTMENT OF PHYSICS, URUMU DHANALAKSHMI COLLEGE, TRICHY-19, TAMIL NADU, INDIA	To get better experience

RESEARCH GUIDANCE

- Ph.D candidates - guiding : 05 - Part Time and 02 - Full time
- M.Phil candidates - degree awarded : 13 - Full Time + 01-Part Time
- M.Phil candidates - guiding : 01- Full Time

MEMBERSHIP IN PROFESSIONAL BODIES

S.No	Organizer and Place	Period / Duration
1	INDIAN CRYSTALLOGRAPHIC ASSOCIATION (LM649), Indian Institute of Science, Bangalore 560 012	Life time member
2	MRSI, Indian Institute of Science (LMB2500), Bangalore 560 012	Life time member
3	Indian Physics Association,(GEN/LM/13296) BARC,Mumbai	Life time member

AWARDS

S.No	Details	Awards
1	Paper presentation for the research paper entitled “ Powder X-ray diffraction pattern analysis of 4-aminopyridinium adipate ”, Dr.A.Sinthiya, P.Lalitha-(M.Phil Scholar), National Conference on Frontier Areas in Applied Physics (NCFAAP-2016) on 27 th April 2016, Engineering Physics, FEAT, Annamalai University, Annamalainagar-2	Third prize
2	Paper presentation for the title “ A review on impact of information technology of physics education ”, One day national seminar on Role of computer application in physics(NSRCAP-2013), Dr.A.Sinthiya, Department of Physics, Holy cross college(Autonomous), Trichy-2, 09-01-2013, Tamil Nadu, India	First prize
3	University rank in MSc- Applied Physics, Bharathidasan university, Trichy - 620024, Tamil Nadu,India.	4 th rank
4	Volunteer Artist during the year 1998-1999, Holy Cross College, Trichy 620002, Tamil Nadu, India	Volunteer Artist

INVITED LECTURE

S.No	Title	Organizer and Place	Period / Duration
1	Crystallography	Department of Physics, Sri Saradha college for women, Peramballore-621 113	31-01-2019
1	Superconductors & magnetic materials	PG and Research Department of Physics, Holy Cross College (Autonomous), Trichy – 620 002	23-08-2018
2	Three day special lectures program for P.G Physics teachers, sponsored by TNSCST, Chennai & New Delhi	Office of the Deans, St. Joseph’s College, Trichy-620002	12-11-2009 To 14-11-2009

RESEARCH PROJECT

Title of the Project	Funding Agency	Grant sanctioned	Project Status completed / on-going	Project Type: Research/ Consultancy/ Action Research
Synthesis, crystallography and characterization of the 2-aminopyridine complex containing L-aspartic acid, L-glutamic acid, L- Leucine and L-tyrosine	UGC-Minor project	One lakh	Submitted report on March 2019	Research Minor project

PROGRAM ORGANISED

S.No	Title	Role	Organizer and Place	Period / Duration	Sponsors	Status
1	National Conference On <i>“Recent trends in nano and bulk superconducting & magnetic materials”</i>	Convenor	PG&Research Department of Physics, Srimad Andavan Arts and Science College(Auto-nomous) Trichy 620005.	20.12.2018 & 21.12.2018	1. Tamil Nadu state council for science and technology (TNSCST) 2. Tamil Nadu state council for Higher education (TANSCH)	Conducted

REVIEWER

1. Manuscript MCRE-D-18-00587R1 entitled "Synthesis, Molecular Properties Prediction and Antimicrobial Activity of Imidazolyl Schiff Bases, Triazoles and Azetidinones".03 –NOV 2018, Journal: Medicinal Chemistry Research
2. Manuscript SCA-16-0044 entitled “Unexpected Fe-enriched Compound AADR-STEM investigation”. 20-MAR 2016, Journal: SCANNING.
3. Manuscript MCRE-D-16-00002 entitled “Synthesis, Docking studies and Antidiabetic Activity, JAN 2016. Journal: Medicinal Chemistry Research

POSITION HELD

1. **DC member in Department of Physics, Govt arts college for women, Pudukkottai**
2. **Editorial Board member in the International Journal of Pure and Applied Physics (IJPAP)**
3. **Examiner in PG valuation in Bharathidasan University Examination.**
4. Study circle in-charge from 2017 -2018 in PG & Research Department of Physics, Srimad Andavan Arts and Science College(Autonomous), Trichy 620005
5. Remedial class in-charge from 2016 to till date in PG & Research Department of Physics, Srimad Andavan Arts and Science College(Autonomous), Trichy 620005
6. Within the department level, One of the member of NAAC committee during the year 2009-2010, St. Joseph's College, Trichy 620002, Tamil Nadu, India.
7. As Girls student's representative during the year 2008-2010, St. Joseph's College, Trichy 620002, Tamil Nadu, India.
8. Class representative during June 1998 to April 1999, Holy Cross College, Trichy- 620002, Tamil nadu, India

COURSE COMPLETED

S.No	Title	Organizer and Place	Period / Duration
1	GIAN Course- 'Crystal growth of functional and exotic materials'	Center for high pressure research, Department of Physics, Bharathidasan University, Trichy 620 024	06-08-2018 To 10-08-2018
2	Short term course on LaTeX- An Advanced formatting tool	Internal quality assurance cell & PG and Research department of mathematics, Srimad andavan arts and science college (Autonomous), Trichy – 620005.	01-02-2017 To 04-02-2017

TRAINING PROGRAMS

S.No	Title	Organizer and Place	Period / Duration
1	Soft skill programme	Joseph academy of soft skills (JASS), St. Joseph's College(Autonomous), Trichy - 620002	10 days -Between Aug 2012 and Oct 2012

LIST OF WORKSHOP ATTENDED WITH FINANCIAL SUPPORT FOR TRAVEL, ACCOMMODATION

1. Thematic workshop on Science and Engineering of Materials using Ion Beams and Gamma Radiation. Organized by UGC-DAE Consortium for Scientific Research, Kolkata Center & Variable Energy Cyclotron Center. May 28-29, 2019.

RESEARCH AND ACADEMIC CONTRIBUTION

a) Research Papers published in Refereed Journals

S.No	Title	Journal number	ISSN/E- ISSN	Impact factor	No. citation	h-index
1	Growth and combined experimental and quantum chemical study of glycyl-L-Valine crystal. Heliyon, 2019, e01574 doi: 10.1016/j.heliyon.2019.e01574	Elsevier Journal	2405-8440	0.64		
2	Ultrasound assisted synthesis, characterization and Nonlinear optical property of zwitterion L-glycine. Journal of Emerging Technologies and Innovative Research, 2019, Volume 6, Issue 4	3480	2349-5162	5.87		
3	Synthesis and characterization of L-amino acid doped 2-aminopyridine co-crystals for anti cancer activity Research Journal of Life Sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences (RJLBPCS)	47833	2454-6348	0.896		
4	Growth, spectral, density functional theory (DFT) and Hirshfeld surface analysis on 4-aminopyridinium adipate monohydrate nonlinear optical single crystal. Materials Science-Poland. DOI: 10.1515/msp-2018-0010	4004	208313	0.616		4
5	Synthesis, Crystal Structure, and Free Radical Scavenging Activity of 4-Aminopyridinium 3,5-Dinitrobenzoate. Crystallography Reports,(2017), Vol. 62, No. 7, pp. 1035–1040.	14078	1063-7745	0.563		
6	Powder X-ray diffraction pattern analysis of 4-aminopyridinium adipate. Elixir Crystallography, (2016), 97, 42044-42045	43642	2292-712X	6.865		
7	In-silico characterization for Multiple sclerosis: A special emphasis on Tetrakis (4-aminopyridine-kN1)	43642	2292-712X	6.865	7	

	dichloridocopper (II) monohydrate with sphingosine 1-phosphate lyase, Elixir Crystal Research (2015),89, 36824-36826.					
8	Synthesis and characterization of nano structured (4-aminopyridine) copper (II) acetate chloride. IOSR Journal of pharmacy, www.iosrphr.org , 2013, Vol-3,Issue -1, pp-31-36	62875	E- ISSN:22 50-3013, P- ISSN:23 19-4219	1.448		
9	4-aminopyridinium 5- carboxypentanoate monohydrate, Acta Cryst.(2012)E68,o2181	429	2056- 9890	0.347	1	
10	Bis(4-aminopyridinium) tetrachloridocobaltate(II), Acta Cryst. (2009), E65, page m521	429	2056- 9890	0.347	1	
11	Synthesis and characterization of Tetrakis(4-aminopyridine- κN^1) dichloridocopper(II)monohydrate, Bulletin of Pure and Applied Sciences, Vol 28D (No.2) 2009, page 121-125	9584	0970- 6569			
12	Tetrakis(4-aminopyridine- κN^1) dichloridocopper(II)monohydrate,Acta Cryst (2008) E64, page m853-m854	429	2056- 9890	0.347	4	
13	4-aminopyridinium 4-aminobenzoate dehydrate and 4-aminopyridinium nicotinate, Acta Cryst (2009), C65, page o361-o364	426	2053- 2296	4.099	3	
14	Octaakis(4-aminopyridine)- $1_{\kappa}^4 N^1, 2_{\kappa}^4 N^1$ - aqua- $2_{\kappa} O-\mu$ -carbonato-1:2 $\kappa^3 O, O:O$ - dinickel(II) dichloride pentahydrate, Acta Cryst.(2008), E64,page m1436- m1437.	429	2056- 9890	0.347	4	
15	4-aminopyridinium 4- aminobenzenesulfonate 4- ammoniobenzenesulfonate monohydrate, Acta Cryst (2008), E64, page o697-o698	429	2056- 9890	0.347	7	

b) **Other Research papers published**

1. Synthesis and characterization of L-amino acid doped 2-aminopyridine co-crystals using Powder XRD, FTIR and UV-Vis spectrum. *Elixir Crystal Research* **128 (2019) 52798-52800 52798**
2. Biosynthesis of Phytochemicals Coated Silver Nanoparticles Using Aqueous Extract of Leaves of *Cassia alata* – Characterization, Antibacterial and Antioxidant Activities, *International Journal of Pharmaceutical and Clinical Research* ISSN- 0975 1556, (2018); 10(5): 138-149,
3. Crystal growth and magnetic property of Tetrakis (4-aminopyridine- κ N¹) dichloridocopper(II) monohydrate serine crystals. *AIP Conference Proceedings* 1942, 100018 (2018); <https://doi.org/10.1063/1.5028983>
4. Refractive index, UV-Visible spectrum, conductivity, surface tension and viscosity of aqueous glycine zwitterion, (March 2018), *Int.J.Res.Ins.*, Vol 5 (Issue 1), pp 36-41
5. Powder x-ray diffraction pattern of 4-aminopyridinebased copper (ii) sulphate crystals, *Int.J.Res.Ins.*, (September 2017), Vol 4 (Issue 2), pp 94-97, ISSN 2348-2095
6. Powder x-ray pattern analysis of 4-aminopyridine based copper (ii) nitrate tri hydrate crystals, *Int.J.Res.Ins.*, (September 2017), Vol 4 (Issue 2), pp 98-101, ISSN 2348-2095
7. Powder x-ray diffraction pattern of 4-aminopyridine based copper (II) acetate crystals, *Int.J.Res.Ins.*, (March 2017), Vol 4 (Issue 1), pp 86-90 Publication
8. Synthesis and characterization of adipic acid based glycine crystals, *Int.J.Res.Ins.*, (March 2017). Vol 4 (Issue 1), pp 36-39 Publication
9. Powder x-ray diffraction pattern and antimicrobial activity of butyl paraben (March 2017), *Int.J.Res.Ins.*, Vol 4 (Issue 1), pp 40-45 Publication
10. Smartphone Technology in Education and Research , *Int.J.Res.Ins.*, (2015), Vol 2(Issue 1), 51-54.
11. Nature of Hydrogen Bonding in the Interaction of 4-Aminobenzoic, Nicotinic and Sulfonic Acids With 4-Aminopyridine, *GJRA - GLOBAL JOURNAL FOR RESEARCH ANALYSIS*, ISSN No 2277 – 8160, Volume-4, Issue-6, June-2015 , pp-192
12. An Overview Of Intermolecular Hydrogen Bonding In The Structure Of Metallated 4-Aminopyridine Complexes, *PARIPEX - INDIAN JOURNAL OF RESEARCH*, ISSN 2250-1991 Volume 4, Issue 2, Feb 2015, pp 204
13. Graphene in nano electronic era – Review, *Int.J.Res.Ins.*, (2014), Volume 1(Issue 2) 52-56
14. Synthesis and Characterization of 3 [Cu(C₅H₆N₂)₂(CO₃).H₂O] Using Slow Method, *PARIPEX - INDIAN JOURNAL OF RESEARCH*, ISSN 2250-1991 Volume 2, Issue 4, April 2013., pp 309-311
15. A comparative report on micro structural analysis, *International journal of physics and applications*, ISSN 0974-3103 Volume 5, Number 1 (2013), pp.1-5.
16. Evaluation of micro structural parameters of the synthesized gamma TeO₂ nano crystals using XRD principles. *The International Journal of Engineering and Science (IJES)*, 2012, Volume 1, Issue 1, Pages 22-29, ISSN: 2319-1813 ISBN:2319-1805
17. Microwave assisted Nano structured Tetrakis (4-aminopyridine) copper (II) Tetrachloro Cobaltate(II), *Int.J.Chem Tech Res.* 2012,4(3)
18. One dimensional tellurium in electronic domain-Prognostication, *Arch. Appl. Sci. Res.*, 2012, 4 (1):94-98

19. Synthesis and characterization of $C_5H_7N_2^+C_6H_2N_3O_7^- \cdot H_2O$, RETELL, ISSN 0973-404X, (2012) Vol 13, page 41-44
20. Synthesis and characterization of 4-aminopyridinium dl-alaninate, RETELL, ISSN 0973-404X, (2012) Vol 13, page 99-102
21. Comparative study of 4-aminopyridine based co-crystals using FTIR and UV spectrum, RETELL, ISSN 0973-404X, (2011) Vol 12, page 1-4
22. FESEM analysis of 4-aminopyridinium nitrate, RETELL, ISSN 0973-404X, (2012), Vol 12, (No 2), page 97-98

c) Paper presentation in International/National seminar/conference

S.No	Title	Organizer and Place	Period / Duration
1	Synthesis, characterisation and DFT studies of 2-aminopyridinium leucinate co-crystals for anticancer activity	International web conference on advanced materials (IWCAM2019) St.Joseph's College (Autonomous), Trichy 620 002	28-02-2019 & 01-03-2019
2	Powder XRD and FTIR spectrum of Acetamide potassium Hydrogen phthalate crystals <i>(Corresponding Author)</i>	TNSCST & TANSCHÉ sponsored National Conference on Recent Trends in Nano and Bulk Superconducting & Magnetic Materials (RTNBSMM18), PG& Research Department of Physics, Srimad Andavan Arts and Science College (Autonomous), Trichy 620005	20-12-2018 To 21-12-2018
3	Effect of ultrasound on L-Glycine single crystals and X-ray powder diffraction patterns of ultrasonicated zwitterion L-Glycine single crystals <i>(Corresponding Author)</i>	TNSCST & TANSCHÉ sponsored National Conference on Recent Trends in Nano and Bulk Superconducting & Magnetic Materials (RTNBSMM18), PG& Research Department of Physics, Srimad Andavan Arts and Science College (Autonomous), Trichy 620005	20-12-2018 To 21-12-2018
4	Growth And Characterization of Butylparaben - sodium chloride(1:1) <i>(Corresponding Author)</i>	TNSCST & TANSCHÉ sponsored National Conference on Recent Trends in Nano and Bulk Superconducting & Magnetic Materials (RTNBSMM18), PG& Research Department of Physics, Srimad Andavan Arts and Science College (Autonomous), Trichy 620005	20-12-2018 To 21-12-2018
5	Ethanol extract of south Indian herbal Aloe Vera treated with copper II chloride monohydrate for enhanced antimicrobial activity <i>(Corresponding Author)</i>	TNSCST & TANSCHÉ sponsored National Conference on Recent Trends in Nano and Bulk Superconducting & Magnetic Materials (RTNBSMM18), PG& Research Department of Physics, Srimad Andavan Arts and Science College (Autonomous), Trichy 620005	20-12-2018 To 21-12-2018
6	Stability of some metallic complexes of 4-Aminopyridine –review and powder x-ray pattern of common salt doped 4-Aminopyridine crystal <i>(Corresponding Author)</i>	TNSCST & TANSCHÉ sponsored National Conference on Recent Trends in Nano and Bulk Superconducting & Magnetic Materials (RTNBSMM18), PG& Research Department of Physics, Srimad Andavan Arts and Science College (Autonomous), Trichy 620005	20-12-2018 To 21-12-2018
7	Growth and structural studies on protonated molecule-4-	TNSCST & TANSCHÉ sponsored National Conference on Recent Trends in Nano and	20-12-2018 To

	aminopyridinium nicotinate (Co- Author)	Bulk Superconducting & Magnetic Materials (RTNBSMM18), PG& Research Department of Physics, Srimad Andavan Arts and Science College (Autonomous), Trichy 620005	21-12-2018
8	Phase transition in potassium hydrogen phthalate crystals-effect of various molar concentration of L-Proline. (Co- Author)	MRSI National Symposium on “Advances in Functional and Exotic Materials” The Symposium is jointly organized by MRSI – Trichy Chapter and the Centre for High Pressure Research, Bharathidasan University, Tiruchirappalli.	14-02-2018 To 16-02-2018
9	Phase transition in potassium hydrogen phthalate crystals-effect of various molar concentration of L-Glutamine. (Corresponding Author)	MRSI National Symposium on “Advances in Functional and Exotic Materials” The Symposium is jointly organized by MRSI – Trichy Chapter and the Centre for High Pressure Research, Bharathidasan University, Tiruchirappalli.	14-02-2018 To 16-02-2018
10	Phase transition in ammonium dihydrogen orthophosphate crystals – effect of various molar concentration of amino acid. (Corresponding Author)	MRSI National Symposium on “Advances in Functional and Exotic Materials” The Symposium is jointly organized by MRSI – Trichy Chapter and the Centre for High Pressure Research, Bharathidasan University, Tiruchirappalli.	14-02-2018 To 16-02-2018
11	Powder diffraction pattern analysis and FT-IR spectrum analysis of tetrakis (4-aminopyridine – K^{N^1})-dichloride copper (II) monohydrate crystal	MRSI National Symposium on “Advances in Functional and Exotic Materials” The Symposium is jointly organized by MRSI – Trichy Chapter and the Centre for High Pressure Research, Bharathidasan University, Tiruchirappalli.	14-02-2018 To 16-02-2018
12	Crystal Growth And Magnetic Property of Tetrakis(4-aminopyridine- K^{N^1}) Dichloridocopper(II) Monohydrate Serine Crystals	62 nd DAE Solid State Physics Symposium, Organized by : Bhabha Atomic Research Centre, Mumbai, Sponsored by : Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy, Government of India	26-12-2017 To 30-12-2017
13	Hydrogen bonding interaction of 4-AP metal complex with proteins (Corresponding Author)	“24th Congress and General Assembly of the International Union of Crystallography, Hyderabad, India.	21-08-2017 To 28-09-2018
14	Invitro and insilico evidence based evaluation of synthesised crystal compound $\text{CuCl}_2(\text{C}_5\text{H}_6\text{N}_2)_4 \text{H}_2\text{O}$ (Corresponding Author)	45 th national seminar on crystallography, Hindu banaras university, IITBHU,	09-07-2017 To 12-07-2017
15	Crystal growth and characterization of D-Valine zwitterion molecule,	National conference on Advanced materials-2016, Department of Physics, St.Joseph’s College (Autonomous), Trichy 2.	07-10-2016

16	Theology of Sri Ramanujacharya-Review,	Vinava neri karutharangam, Srimad Ramanujarin 1000 th year celebration, Jointly conducted by Srirangam srimad andavan ausramam and Department of Tamil, Srimad andavan Arts and Science College (Autonomous), Trichy 5.	24.09.2016
17	Powder X-ray diffraction pattern analysis of Hydronium adipate, <i>(Corresponding Author)</i>	44th National Seminar on Crystallography (NSC-44), Institute of Science Education and Research (IISER), Pune-411008, Maharashtra	10-07-2016 To 13-07-2017
18	Powder X-ray diffraction pattern analysis of 4-aminopyridinium adipate. <i>(Corresponding Author)</i>	National Conference on Frontier Areas in Applied Physics (NCFAAP-2016) Engineering Physics, FEAT, Annamalai University, Annamalainagar-2	27-04-2016
19	Reduced morphological change in copper II Chloride in caprylic acid environment. <i>(Corresponding Author)</i>	National Conference on Frontier Areas in Applied Physics (NCFAAP-2016) Engineering Physics, FEAT, Annamalai University, Annamalainagar-2	27-04-2016
20	A study of the Interaction of 4-aminopyridine with polyvinyl alcohol using FTIR spectrum and SEM. <i>(Corresponding Author)</i>	National Conference on Frontier Areas in Applied Physics (NCFAAP-2016) Engineering Physics, FEAT, Annamalai University, Annamalainagar-2	27-04-2016
21	Study of Nature of intra molecular hydrogen bonds in hexa (4-aminopyridine)tris copper (II) carbonate tri hydrate using single crystal X-ray diffraction	International Conference on Crystal Growth & Biomolecular crystallography (ICCGBC-2014),SASTRA University, Thanjavur	28-11-2014 To 29-11-2014
22	X-Ray diffraction studies and spectral analysis of Bis(4-aminopdinium) tetrachloride cobaltate(II)	NSRTP 2011, Department of Physics, Shivani Engineering College, Trichy – 9	18-03-2011 To 19-03-2011
23	A review on impact of information technology of physics education	One day national seminar on Role of computer application in physics(NSRCAP-2013), Department of Physics, Holy cross college(Autonomous), Trichy-2	09-01-2013
24	Spectral analysis of 4-aminopyridinium nitrate Nano Particles.	DRDO sponsored National conference on Emerging Dimension in Renewable Energy & Nano Science, Department of physics, Jeyaram College of Engineering & Technology, Pagalavadi, Karattampati, Trichy-14.	19-08-2011 To 20-08-2011
25	Microwave assisted nanostructured 4-aminopyridine adduct crystals	INDO-US workshop and International conference, Department of Physics, St. Joseph's College(Autonomous) Trichy-2	12-01-2011 To 14-01-2011
26	Growth and Characterization of Nanocrystals for medicinal applications	National level conference on Nanomaterials, Department of Physics, Karunya University, Coimbatore.	17-10-2008 To

			18-10-2008
27	Potential application of nanotechnology in the field of medicine.	UGC sponsored National level conference, Department of Electronics, Erode Arts College, Erode-9	29-08-2008 To 30-08-2008

PROFESSIONAL DEVELOPMENT ACTIVITIES

a) Participation in Conferences / Seminars

S.No	Title	Organizer and Place	Period / Duration
1	MRSI National Symposium on "Advances in Functional and Exotic Materials"	Jointly organized by MRSI – Trichy Chapter and the Centre for High Pressure Research, Bharathidasan University, Tiruchirappalli.	14-02-2018 To 16-02-2018
2	Asia-Pacific academy of materials (APAM) Special lecture Series	MRSI-Trichy Chapter & Centre for High Pressure Research, Bharathidasan university, Trichy-620024	13-02-2018
3	1-Day Teacher's Conclave on "Pursuing Excellence in Teaching"	Good citizenship forum, SSN college of Engineering, Kalavakkam-603110. & Rajaji centre for public affairs(RCPA), Chennai and ISTE,SSNCE Chapter	07-01-2017
4	2 nd International conference on structural and functional genomics	SASTRA university, Tanjavur, Tamil Nadu	19-08-2016 To 20-08-2016
5	Impact of e-technology on teaching, learning and evaluation (Reach, Reflect & Reckon)	Internal quality assurance cell, Srimad andavan arts and sciences college(Autonomous), Trichy - 620005.	12-03-2016
6	International conference and workshop on Advances in biomolecular sciences and analytical NMR	Srimad Andavan Arts and Science College (Autonomous), Trichy – 5	25-08-2014 To 27-08- 2014
7	Enhancing R,C and E (Research, Consultancy and Extention Activities)-Roles and Responsibilities of IQAC	Internal quality assurance cell, Srimad andavan arts and sciences college(Autonomous), Trichy - 620005.	27-09-2014
8	Orientation programme for junior staff	Management of St. Joseph's College(Autonomous), Trichy-620002.	11-06-2012

			To 14-06-2012
9	Orientation programme for Research scholars	Research advisory committee (RAC), St. Joseph's College(Autonomous), Trichy-620002	18-01-2011
10	Orientation programme for junior staff	Management of St. Joseph's College(Autonomous), Trichy-620002	13-06-2011 To 14-06-2011
11	Pre-conference workshop on advanced materials processing, Characterization and applications	Department of Physics, PSG college of technology, Coimbatore - 641004	12-02-2009
12	National conference on emerging areas in thin film science and technology	Department of Physics, PSG college of technology, Coimbatore - 641004	13-02-2009 To 14-02-2009
13	Higher education and national development : The challenge of expansion, quality and inclusion	St. Joseph's college (Autonomous), Trichy – 620002	30-01-2009 To 31-01-2009
14	Quality enhancement and sustenance in higher educational institutes (HEIs) through six sigma quality strategy	Internal quality assurance cell, St. Joseph's college (Autonomous), Trichy – 620002.	23-10-2008 To 24-10-2008
15	International seminar and workshop on medical and Pharmaceutical nanotechnology	Department of Pharmaceutical Technology, Anna university , Trichy-620024	25-09-2008 To 26-09-2008
16	Workshop on Inter-personal skills for staff members	St. Joseph's college (Autonomous), Trichy – 620002.	03-03-2007 To 04-03-2007
17	Workshop on VLSI Design using FPGAS	Department of Electronics, St. Joseph's College (Autonomous), Trichy – 620002	3-03-2006

b) Methodology workshop

S.No	Title	Organizer and Place	Period / Duration
1	National workshop on “Theory and applications of single crystal X-ray diffraction”	Sophisticated analytical instrument facility, Center for continuing education, Indian institute of technology, Madras.	08-11-2017 To 10-11-2017
2	Two day workshop on Powder X-ray diffraction data analysis	PG & Research department of Physics, Srimad andavan arts and science college (Autonomous), Trichy – 620005.	05-10-2017 To 06-10-2017
3	One day workshop on “ Teaching and research methodologies in Physics (TRMP-2016)”	School of Physics in association with Curriculum Development Cell (CDC), Madurai Kamaraj University, Madurai – 625021	25-10-2016
4	International conference and workshop on Advances in biomolecular sciences and analytical NMR	Department of Biochemistry, Chemistry and Physics, Srimad andavan arts and science college (Autonomous), Trichy – 620005.	25-08-2014 To 27-08-2014
5	3-day workshop on Single crystal X-ray diffraction and structure analysis	Sophisticated Test and Instrumentation Center (STIC), Cochin.	17-11-2011 To 19-11-2011
6	Workshop on Electron Microscopy,	Department of Physics, National Institute of Technology, Trichy,	04-11-2011 To 05-11-2011
7	National Workshop on Power Electronics (NWPE 2008)	Department of Electrical and Electronics Engineering , National Institute of Technology, Trichy, Under the aegis of Natinal Misson on Power Technology(NAMPET)	12-11-2008 To 14-11-2008
8	Workshop on Interpersonal skills for staff members	St. Joseph’s College (Autonomous), Trichy-620 002.	03-03-2007 To 04-03-2007
9	Workshop on VLSI DESIGN USING FPGAS	Department of Electronics, St. Joseph’s College (Autonomous), Trichy-620002.	03-10-2008

Extracurricular activities

1. N.C.C – passed C certificate
2. Drawing – Chart painting
3. Ball badminton player at School and College level

Extra qualifications

S.No	Courses	Duration	Institution
1	Data base concepts & MS access	One month. Sep - 2007	SSI education,Trichy-2
2	Office 2000	One month. Sep - 2007	SSI education,Trichy-2
3	VHDL programmer	21.04.2006 to 1.08.2006	ACCEL IT ACADEMY, Thillai nagar, First cross, Trichy.
4	Vocational certificate course in telephone operator/telephone clerk	Oct-1998	Tamil nadu technical training center, Mayiladuthurai-609 001.
5	Journalism and mass communications	Oct-1997 to Feb 1998	Holy cross college, Trichy-2

DECLARATION

I declare that all the particulars given in this BIO DATA are true to the best of my knowledge and belief.

DATE : 25-06-2019

Dr. A. SINTHIYA