

Staff Profile



1. Name : **T.PRABHU**
2. Gender (Male / Female) : Male
3. Age as on 12.04.2019 & D.O.B : 47 & (22.01.1972)
4. Educational Qualifications : M.Sc.,M.Phil.,Ph.D.,M.A.,B.Ed., PGDCA.,

S. No	Degree	College/University	Year of passing	Subjects	Grade/ Percentage
1	Ph.D.	PRIST University	2012	Physics	commended
2	M.Phil.	T.B.M.L.College Porayar . Bharathidasan University	1998	Physics	75.56 %
3	M.Sc.	T.B.M.L.College Porayar . Bharathidasan University	1996	Physics	65.36 %
4	B.Sc.	A.A.G.A.College Karaikal, Pondicherry University	1993	Physics	62.12 %
5	PGDCA.	T.B.M.L.College Porayar . Bharathidasan University	1997	Computer application	55.7 %
6	B.Ed.	Annamalai University	1996	English and Physical science	59.5 %
7	M.A.	Allagappa University	2010	English	56.0 %

5. Total Teaching Experience as on 25.10.2018

Sl. No.	Name of the Institution	From	To	YY//MM/DD
1	A.V.C College (Management)	16.06.1999	11/10/2014	15/03/25
2	A.V.C College (Regular)	11/10/2014	Till date	05/06/02
3	Donbosco High School - Nedungadu	June1998	June 1999	01/00/15

6. **Total Teaching Experience at A.V.C College (specify SF/Aided) as on 1.09.2016:**

Sl. No.	Institution	From	To	Subjects Taught	Remarks
1	Self financing	16/06/1999	11.10.2013	Physics & E.S	SF
2	Aided	12.10.2013	Till date	Physics	Aided

7. **Orientations/ Refresher courses attended - Total** 2

Sl. No.	O/R	Title of the course	From	To	Name of the Institution and Place
1	O	Research Methodology for Teacher Scholar	29.10.2010	30.10.2010	Academic staff college, Puducherry
2	O				Academic staff college, Bharathiar university – Coimbatore

8. **Conferences attended** – 8

T.Prabhu, S.Periandy, S.Mohan, “Vibrational spectroscopy (FTIR and FTRaman) analysis on 5-Chloro-2-methylaniline using abinitio HF and DFT calculations” in *International Conference on Photonics, nanotechnology and computer applications*, PRIST University, Thanjavur, Tamilnadu, 25.02.2009 – 28.02.2009.

T.Prabhu, S.Periandy and G,Mathivanan, “FTIR and FTRaman vibrational spectra and assignments of 2-Chloro-4-methylaniline by DFT and ab-initio calculations” in *national Conference on Advances in Material science*, St. Joseph college of Arts and Science(Autonomous), Cuddalore, Tamilnadu, 20.03.2009.

T.Prabhu, S.Periandy, S.Mohan, “Vibrational spectroscopy (FTIR and FTRaman) investigation using ab-initioHF and DFT analysis on the structure of m-Xylo” in *International Conference on Waves and Material science*, St. Joseph college of Arts and Science(Autonomous), Cuddalore, Tamilnadu, 23.08.2010.

T. Prabhu, S. Periandy, S. Ramalingam.
FT-IR and FT-Raman spectroscopic investigation, computed vibrational frequency analysis and IR intensity and Raman activity peak resemblance analysis on 2-nitroanisole using HF and DFT (B3LYP and B3PW91) calculations.
In the international conference on Emerging green technologies(ICEGT2011)held at Periyar maniammai university Thanjavur

T. Prabhu, S. Ramalingam and S. Periandy : *Theoretical and Experimental Analysis of 2, 5 Dibromo Toluene with FT-IR and FT-Raman Spectra Using AbInitio HF AND DFT Calculations in the Indo – US Workshop on Mathematical Chemistry held at PRIST UNIVERSITY, Thanjavur, TN, India on December 4 – 6, 2012.*

T. Prabhu, S. Ramalingam and S. Periandy:*Theoretical and Experimental Analysis of 2Chloro-5-methylaniline with FT-IR and FT-Raman Spectra Using AbInitio HF AND DFT Calculations*

International Conference on Molecular Spectroscopy of Advanced Materials and Biomolecules to be held at Bishop Moore College, Mavelikara, Alappuzha, Kerala, India, during August 7- 9, 2012

S. Ramalingam, **T. Prabhu**, S. Periandy, *Computational investigation on organo-metallic complex*

In the State level Seminar on the internal Dynamics of the molecules held at Tagore Arts College, Government of Puducherry, India on 28.02.2013.

1. S. Ramalingam, T. Prabhu, S. Periandy, *Measurement of Chemiosmotic potential in plant leaf during Photosynthesis*
2. S.Ramalingam, S. Xavier, S.Perinady, *Experimental (FT-IR and FT-Raman) and computational investigation on 1-Proponyl-1-Proponal*

In the international conference on Emerging trends in Physics held at St'Josephs college of Arts and Science, Cuddalore, Tamilnadu, India on 21-22, 2013.

S.Ramalingam, S.Periandy, T. Prabhu, *Advances in Computational tools,*

in **National conference on Recent advances in molecular spectroscopy** held at Kanchi mamunivar Centre for post graduate studies and Tagore Arts college, Government of Puducherry, India.

S.Ramalingam, S.Periandy, T. Prabhu, *User friendly Computational tools "GAUSSIAN 09"*

in **National on Instrumentation and characterization XRD&TEM** held at St. Josephs college of Arts and Science, Cuddalore, Tamilnadu, India on 25th October 2014.

9. **Seminars attended**

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- Attended international Seminar on Atomic and Nuclear energy for societal Development, sponsored by UGC, New Delhi, at A.V.C College (Autonomous), Mayiladuthurai, 10.8.2007.
- Attended international Seminar on Laser Spectroscopy and its applications sponsored by IISc, Bangalore, at A.V.C College (Autonomous), Mayiladuthurai, 13.12.2008.

10. Training programmes attended

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1. Development of Teaching skills, A.V.C College (Autonomous), Mannampandal, Mayiladuthurai. Conducted by IQAC during August 2010.
2. Presentable Powerful Presentation –January 2009

3. 'E' content development for Teaching at A.V.C.College (Autonomous), Mannampandal, Mayiladuthurai. Conducted by IQAC during August 2012.

4. Multimedia development for Teaching, A.V.C.College (Autonomous), Mannampandal, Mayiladuthurai. Conducted by IQAC during September 2012.

11. Other Positions Held in A.V.C College:

Sl. No.	Positions held	From	To	Nature of work
1.	Coordinator-Physics Dept.	June-2008	June-2009	Assisting the HOD in department activities.
2	HOD of Physics (Evening Section)	June-2009	May-2010	Administering the Department
3	Member-Application processing committee	May 2006	May 2014	Assisting in Students admission process
4	Member –sports committee	June 2009	Till Date	Assisting the Physical director in various sports activities
5	Tutor-for students in Young Student Scientist Programme (YSSP)	1999 2003 2013	2000 2004 2014	Teaching the basic theories and practical and also helping them to develop basic research projects
6	Member – Anti tobacco committee	June 2013	May 2016	Investigating the use of tobacco if any inside the campus
7	Attendance committee coordinator	June 2017	Till date	Scrutinize and administering CIA publishing related work
8	Member - Placement cell	June 2017	Till date	Motivating and coaching students to get job placement through campus interview

12. Positions Held in Other Institutions

Sl. No.	Positions held	From	To	Nature of work
1.	Guest lecturer in A.V.C Engineering college	Aug-2006	Nov.-2006	Handling Theory & Practical classes for I B.E students
2	External Guide for M.Phil in Periyar University	2013	Till date	Guiding research projects for M.Phil students

3	Ph.D Guide for Physics in Bharathidasan University	2013	Till date	Guiding research projects for Ph.D students
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13. Research Guidance (completed and registered)

Sl. No.	Degree	Completed No.	Ongoing No.	Under process
1	M.Phil.	15	Nil	Nil

14. Research Articles Published :

13

Journal

1. Spectroscopic (FTIR and FT Raman) analysis and vibrational study on 2,3-dimethyl naphthalene using ab-initio HF and DFT calculations, *Spectrochimica Acta Part A* 78 (2011) 566–574. **T. Prabhu**, S. Periandy, S. Mohan
2. *First Report on the effect of effluents of photo colour lab in Mayiladuthurai city of Tamilnadu, India.* Journal of Current Sciences 12 (1) 2008:273-276.
S.Ramalingam, **T.Prabhu**, S.M.Nagarajan.
3. *Physico-chemical characteristics of a pond ecosystem polluted by tannery effluents and Hospital sewage outlets.* Journal of Current Sciences 12 (1) 2008:183-186.
T.Prabhu, S.Ramalingam, S.M.Nagarajan.
4. *Preliminary study on the effect of effluents of flex vinyl printing in Mayiladuthurai city.* Journal of Ecotoxicology and Environmental Monitoring 19 (2) 2009:169-172.
S.Ramalingam, **T.Prabhu**, S.M.Nagarajan.
5. *Bio-EMF Device (BED) using Hibiscus leaf as Electrolyte.* Asian journal of Microbiology, biotechnology and Environmental Science, 11 (4) 2009:783-784.
S.Ramalingam, **T.Prabhu**, K.Manimaran, S.Murugan and S.M.Nagarajan.
6. *Analysis of pollution on ground water in Mayiladuthurai city, Tamilnadu.* Journal of Current Sciences 14 (1) 2009:117-122.
S.Ramalingam, **T.Prabhu**, M.H.Hajasheriff, K.Manimaran and S.Murugan.
7. *A study on the physico-chemical parameters of sugar mill effluents.* Journal of Current Sciences 14 (1): 2009,123-127.
T.Prabhu, S.Ramalingam, K.Manimaran, B.Narayanan, S.M.Nagarajan

8. ***FT-IR and FT-Raman spectroscopic investigation, computed vibrational frequency analysis and IR intensity and Raman activity peak resemblance analysis on 2-nitroanisole using HF and DFT (B3LYP and B3PW91) calculations*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 83, Issue 1, December 2011, Pages 8-16
T. Prabhu, S. Periandy, S. Ramalingam
9. ***FT-IR and FT-Raman investigation, computed vibrational intensity analysis and computed vibrational frequency analysis on m-Xylol using ab-initio HF and DFT calculations*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 79, Issue 5, September 2011, Pages 948-955, **T. Prabhu**, S. Periandy, S. Ramalingam
10. ***Experimental Study (FT IR and FT Raman), Computed Vibrational Frequency Analysis and Computed IR Intensity and Raman Activity Analysis on 2, 6-Lutidine: HF and DFT Calculations.***
Int. J. Ind. Chem., Vol. 2, No. 1, 2011, pp. 12-22. Ramalingam, **T. Prabhu**, S. Periandy
11. ***Insilico molecular modeling, docking and spectroscopic [FT-IR/FT-Raman/UV/NMR] analysis of Chlorfenson using computational calculations***
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 115, November 2013, Pages 118-135.
S. Ramalingam, S. Periandy, S. Sugunakala, **T. Prabhu**, M. Bououdina.
12. ***"Vibrational and NMR investigation on pharmaceutical activity o pyrazinamide by theoretical and experimental support"***
A.Sathya, S.Ramalingam, **T.Prabhu**, R.Aarthi
Global journal of pure & applied Mathematics ISSN 0973-1768 Volume 13, Number 2 (2017)
13. ***International journal of basic & applied research***
ISSN 2249-3352(P)
Impact factor 5.86
"Molecular property ,UV Visible spectra, NMR analysis of Pryazinamide using Computational tools.
A.Sathya, **T.Prabhu**, S.Ramalingam

15. Memberships in Professional Bodies (other than Board of Studies, Academic Council etc.,)

Reviewer in:

- Elsevier: Spectrochimica Acta: Molecular and Biomolecular spectroscopy- Netherlands (U.S Journal).
- International journal of Industrial chemistry (Iran).

16. Residential Address:

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