Staff Profile

1. Name: Dr. S. Ramalingam
2. Gender: Male / Female: Male
3. Age as on 01.04.2019 & D.O.B: 43years & (10.4.1976)
4. Educational Qualifications: M.Sc., M.Phil., Ph.D.,

S. No.	Degree	College/University	Year of passing	Subjects	Grade/ Percentage
1	Ph.D.	PRIST University	Feb-2012	Physics	commended
2	M.Phil.	Bharathidasan University	2001	Physics	74 %
3	M.Sc.	Bharathidasan University	2000	Physics	68 %
4	B.Sc.	Bharathidasan University	1997	Physics	62.5 %

4. Total Teaching Experience as on 01.04.2019

Sl. No.	Name of the Institution	From	To	YY//MM/DD
1	A.V.C College	20.08.2001	Till date	11/ 7/18

1. Total Teaching Experience at A.V.C College (specify SF/Aided) as on 01.04.2019

Sl. No.	Institution	From	To	Subjects Taught	Remarks
1	Self financing	20.08.2001	Till date	Physics	SF
2	Aided	12.10.2013	Till date	Physics	Aided

2. Orientations/ Refresher courses attended - Total 1

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

3. Conferences attended – 24

Total number of Conference papers - 56

In *International Conference on Photonics , nanotechnology and computer applications,* PRIST University, Thanjavur, Tamilnadu, 25.02.2009 – 28.02.2009.]

1. *S.Ramalingam, S.Periandy, S. Mohan, "Vibrational spectroscopy (FTIR and FTRaman) analysis on 2-Bromo-4-methylaniline using HF and DFT calculations"*

2. *S.Ramalingam, T.Prabhu, S.Periandy, S. Mohan, "Spectroscopic (FTIR and FTRaman) investigation and vibrational analysis of 3-Bromoanisole by HF and DFT (LSDA/MPW1PW91) calculations"*

3. *S.Ramalingam, P. Anbusrinivasan, S.Periandy, "FTIR and FTRaman spectral investigation and vibrational frequency analysis on 4-Chloro-2-bromoacetophenone using HF and DFT calculations"*

4. *S.Ramalingam, S.Periandy, S. Mohan, "Vibrational spectroscopy (FTIR and FTRaman) investigation using ab-initio HF and DFT (B3LYP and B3PW91) analysis on the structure of 2-Aminopyridine"*

In the *International Conference on Waves and Material science,* St. Joseph college of Arts and Science (Autonomous), Cuddalore, Tamilnadu, 23.08.2010.

1. *S.Ramalingam, S.Periandy, S. Mohan, "Vibrational spectroscopy (FTIR and FTRaman) analysis on 2-Bromo-4-methylaniline using HF and DFT calculations"*

2. *S.Ramalingam, S.Periandy, "FTIR and FTRaman vibrational spectra and assignments of 4-Chloro-2-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.*

1. *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.* T. Prabhu, S. Periandy, S. Ramalingam.
2. *Vibrational spectroscopy(FT-IR & FT-Raman)investigation and Quantum computational analysis ion the structure of 2,3-Naphthalenediol, D. Shoba, S.Periandy, S.Ramalingam*

3. *Vibrational spectroscopy (FT-IR&FT_Raman) investigation using Ab-initio and DFT calculations on the structure on 3-Bromophenol,D.Mahadevan, S.Periandy, S.Ramalingam.*

4. *FT-IR and FTRaman, UV spectroscopic investigation of 1-Bromo-3-Fluorobenzene using ab-initio HF and DFT calculations, S.Periandy, D.Mahadevan , S.Ramalingam*

5. *Vibrational investigation on FT-IR and FTRaman spectra and electronic structure on 3-Methyl-1,2-Butadiene using HF and DFT(LSDA/B3LYP/B3PW91) calculations, S.Ramalingam, S.Periandy.*

6. *Experimental and theoretical Spectroscopic investigation on the structure of 1-Fluoro4-nitrobenzene, R. Udayakumar, S.Ramalingam, S.Periandy.*

In the international conference on Emerging green technologies (ICEGT2011) held at Periyar maniammai university Thanjavur.

1. *S. Ramalingam [a], M. Karabacak [b], S. Periandy [c] Spectroscopic (Infrared, Raman, UV and NMR) analysis, Gaussian hybrid computational investigation (MEP maps/HOMO and LUMO) on Cyclohexanone oxime.*
2. *S. Ramalingam, Experimental (FT-IR and FT-Raman) and Theoretical (HF and DFT) investigation, and Frequency Estimation analyses on 3-Aminobenzoic acid.*
3. *S. Ramalingam, Molecular Structure and Vibrational investigation of 4-Nitrobenzoic acid using HF and DFT (B3LYP and B3PW91) theory Calculations.*
4. *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- Nitro anisole using HF and DFT (B3LYP and B3PW91) Calculations.*
5. *S. Periandy, M. Karabacak, S. Ramalingam, Spectroscopic analysis (FT-IR/FT-Raman) and Molecular structure investigation on m-Fluoronitrobenzene using hybrid computational calculations.*
6. *D. Mahadevan, S. Periandy, S.Ramalingam, Spectroscopic (FT-IR, FT-Raman and UV-VIS) investigation and Frontier molecular orbitals analysis on 3-Methyl-2-Nitrophenol using hybrid computational calculations.*
7. *S. Ramalingam [a], M. Karabacak [b], S. Periandy , Vibrational spectroscopic (FT-IR/FT-Raman) analysis and Molecular structure investigation on O-Vanillin using Gaussian computational calculations*

In the 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.

1. *S. Ramalingam [a], A. Sugunakala [b], S. Periandy ,* Vibrational Spectral Analysis and Computational Calculation on pesticide compound; chlorfenson

In Seventh Indo-US workshop on Mathematical Chemistry held at PRIST University, Thanjavur, Tamilnadu, India on 4-6 December, 2012.

1. *S. Ramalingam, T. Prabhu, S. Periandy , Measurement of Chemiosmatic 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.

1. *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, A. Aisha marium, S. Periandy, Optical and electronic properties of ti Doped ZnO thin films obtained by spray Pyrolysis*

In the international conference on Recent trends in Materials held at Devanga Arts College, Aruppukotai, Virudhunagar, Tamilnadu, India on 22&23 December 2014.

1. *S.ramalingam, the pyridine compound is a good capping agent for the preparation of Nano CdO:A theoretical proof*
2. *M. Mansoor, Gene George, S. Ramalingam, Gaussian computational characterization and spectroscopic (NMR and Mass) investigation on 3,6-Dimethylphenanthrene*
3. *N.Moorthy, P.C.JobePrabakar, S. Ramalingam, S. Periandy, Spectroscopic investigation of the stimulus of NLO property on Acetone Thiosemicarbazone using computational [HF and DFT] confinement.*
4. *A. Arunachalam, S. Dhanapandian, C. Manoharan, M. Bououdina, S.Ramalingam, Influence of sprayed nano crystalline Zn-doped TiO2 as photoelectrode in the dye-sensitized solar cell with the dye extracted from Hibiscus Surattensis as sensitizer*
5. *R. Durga, R.S. Sundararajan, S. Ramalingam, S. Anand, Hiram Isaac Beltran, Bis (thiourea) Cadmium Bromide (BTCB); Experimental and Computational tool*
6. *P.B. Naga Balasubramanian, S. Ramalingam, S. Periandy, R. Aarthi, Vibrational (IR and Raman) and computational tool(HF and DFT) analysis on phenyl hydrazine*
7. *S. Ramalingam, S. Periandy, R. Aarthi, Yunusa Umar, Spectroscopic investigation of the stimulus of NLO property on Acetone Thiosemicarbazone using computational [HF and DFT] confinement*
8. *S.Ramalingam, Vibrational analysis, NMR and Mass spectroscopic investigation on Thiocarbonilide using computational calculation*

In the international conference on recent trends in Material science and applications held at Jamal Mohamed College, Tiruchirappalli, Tamilnadu, India on 29th February2016.

1. S.Ramalingam, S.Periandy, 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.

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

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

1. Spectroscopic investigation of the stimulus of NLO property on acetone thiosemicarbazone using computational confinement

In the **international conference on recent trends in material science and its applications on 21.08.2017 held at Urumu Dhanalakshmi College on 22/08/2015**

In international conference Presented a paper in two days international conference in "Recent advances in applied physics" on 21 and 22th September 2017 held at Annamalai University Chidambaram.

In international conference Chaired a session for poster presentation in the international conference on "New materials and aird land" held on 15th and 16th march 2017 at St. Joeph's college of arts and science (Auto) college, Cuddalore.

1. Organization of computational theory in material characterization

In **International conference on "Resent Advance in materials" organized by department of physics, Nationl college (Auto), Tiruchirapalli, during 22-23 march 2018.**

1. Preparation, characterization and structure rediction of CO doed CuO_2 using sectroscoic tools.

In National conference present a paper on "Resent Advancement Materials" during 23 -24 February 2018, Thiruvalluvar university, Thennangur, Vandavasi, Tamil Nadu, India.

1. Quantum chemi-Computational analysis on pharmaco-kinetics.

In **International conference on "Application oriented materials in science and technology on 14-15 Set 2018 at EGS Pillay Arts and Science College, Nagapattinam.**

1. Molecular structure Associated pharmacodynamic investigation on Benzoyl peroxide using spectroscopic and quantum computational tools. Aarthi,S.Ramalingam,S.Periandy.

2. Pharmacodynamic investigation and QSAR analysis on molecular structure of Tetrachlorophthalic acid using spectroscopic tools supported by quantum calculations. G.Susithra,S.Ramalingam, S.Periandy, R.Aarthi.

3. Spectroscopic and computational (DFT –SCF) investigation on anti tuberculosis activity of isonicotinohydrazidep.Johnson,Gene George,S.Ramalingam,S.Periandy.

4. Preparation,Characterization and structure prediction of In_2SnO_3 and spectroscopic(FT-IR,FT-Raman,NMR and UV-Visible study using computational approach S.Ramalingam,K.Senthil kannan,S.Periandy.

5. The structural and morphological analysis and antibacterial activity studies on Ni and SnO_2 loaded chitosan beads. K.senthil kannan,S.Ramalingam,S.Periandy.

In **International conference on Application oriented materials on 14-15rd Sept. 2018 and resent at EGS Pillay group of Institutions Nagapattinam.**

In the International conference Invited talk and chaired the oral section on material materials and spectroscopy (ICMS -2018) department of physics, saveetha engineering college, saveetha university, Chennai-602105 11,12/12/2018.topic: Best computational tool; Gaussian software.

In the 7th international conference on perspectives in vibrational spectroscopy (ICOPVS-2018) organized by Bhabha Atomic Center at DAE- convention centre Anushaktinager Mumbai-400094 25-29/11/2018.

1. Pharmacodynamic on molecular structure and molecular and molecular spectroscopy of tetrachlorophtalic acid supported by quantum calculation

2. Molecular spectroscopy investigation on pharmacodynammic activity and biological property analysis on anti-mycobacterial drug; 4-amino salicylic acid using computational tools

In the International conference chaired a section entitled "poster presentation in the "on new materials and Arid land (ICNMAL-2018) held at St. Joseph's college of arts and science cuddalore on 15th and 16th march 2018.

In the International conference present a research paper on resent advances in materials (ICRAM -2018) organized by PG & research department of physics, National College (auto) Tiruchirapalli, during 22, 23/03/2018.

1. " Preparation, characterization and structure prediction of CO doped CuO_2 using spectroscopic tools "

In the Nationl conference present a research work "Quantum chemi- computational analysis on pharmaco- kinetics on resent advanced materials (NCRAM 2018) during 23, 24/02/2018 held at thiruvalluvar university of arts and science, thennangur,vandavasi.

In the 2nd International conference invited talk on "Quantum computational tool for material characterization in the on recent trends in applied science and technology (ICRTAST -2018), organized by periyar university, salem, Tamil nadu, India 23-25/2018.

In the International conference present a paper in the DST-SERB, DRDO, BRNS, MOES & TNSCST sponsored on resent trends in synthetic methods and material chemistry (RTSMC-2018)" organized by the department of chemistry, Annamalai University, 2, 3 February 2018.

3. Seminars attended - 5

1. Attended international Seminar on Atomic and Nuclear energy for societal Development**,** sponsored by UGC, New Delhi**,** at A.V.C College (Autonomous), Mayiladuthurai, on 10.8.2007.

2. Attended international Seminar on Laser Spectroscopy**,** sponsored by IISc, Bangalore**,** at A.V.C College (Autonomous), Mayiladuthurai, 13.12.2008.

3. Attended National seminar on celebrating international year of crystallography-2014 held at A.V.C College, Mayiladuthurai, Tamilnadu, India.

4. Participated in the one day National seminar on Nano Technology held on 5th February 2018 at Kanchi Mamunivar center for post graduate studies, Puducherry, organized by the department of physics, KMCPGS, Puducherry.

5. Invited talk in the national seminar on " Recent advances in molecular spectroscopy"(RAMS-18) organized by the department of physics held on 27th /2/2018 sengamala thayaar educational trust women's college sundarakkottai, mannargudi

6. Workshops attended – 4

1. Attended teacher scholar workshop held in Academic staff college, Puducherry.

2. Attended workshop on Physics Laboratory: Conduct and Innovations held at Central University, Thiruvarur, Tamilnadu, India on 7th march 2015.

3. Attended workshop on Multimedia training held at A.V.C College on 28.10.2012.

4. Attended workshop on Digital classroom training held at A.V.C College on 22.11.2011.

7. Training programmes attended - 3

1. Development of Teaching skills, A.V.C.College (Autonomous), Mannampandal, Mayiladuthurai. Conducted by IQAC during August 2010.

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

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

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

Sl. No.	Positions held	From	To	Nature of work
1.	Professor in polytechnic college	July-2004	Sept.-2004	Taking lecture for III ECE students
2.	Physical Director	June-2008	August-2008	To assist the sports students
3.	HOD of Electronics science	June-2009	August-2010	Assist the staff members and Maintain the Department

9. Positions Held in Other Institutions

Sl. No.	Positions held	From	To	Nature of work
1	External Guide for M.Phil in Periyar University	2007	Till date	Guiding research projects for M.Phil students
2	External Guide for M.Phil in Bharathiyar University	2013	Till date	Guiding research projects for M.Phil students

3	Guide for Ph.D in Bharathidasan University	2013	Till date	Guiding research projects for Ph.D students
4	Judge in district level science exhibition for higher secondary school	2015	-	Evaluation of science projects for higher secondary school students

10. Research Articles Published : **100**

Journal

1. ***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.
2. ***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.
3. ***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.
4. ***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.
5. ***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.
6. ***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
7. ***FTIR and FTRaman vibrational spectra and assignments of 4-Chloro-2-methylaniline by ab initio HF and DFT calculations.*** Journal of Current Sciences 15 2010. (1):241-248. **S.Ramalingam**, S.Periandy, R.Madivanan,
8. ***Molecular and vibrational assignments of 2-Aminopyridine by DFT ab initio HF and calculations.*** Journal of Current Sciences 15 (1) 2010:233-240.

S.Ramalingam, S.Periandy, R.Madivanan.

9. ***Vibrational spectroscopy [FTIR and FTRaman] investigation, computed vibrational frequency analysis and IR intensity and Raman activity peak resemblance analysis on 4-chloro 2-methylaniline using HF and DFT [LSDA, B3LYP and B3PW91] calculations*** Original Research Article
   Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 3,March 2011, Pages 1149-1161
   S. Ramalingam, S. Periandy
10. ***Spectroscopic analysis (FT-IR/FT-Raman) and molecular structure investigation on m-fluoronitrobenzene using hybrid computational calculations*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 94, August 2012, Pages 318-330
    S. Ramalingam, M. Karabacak, S. Periandy, N. Puviarasan
11. ***Vibrational spectroscopy (FT-IR and FT-Raman) investigation, and hybrid computational (HF and DFT) analysis on the structure of 2,3-naphthalenediol*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 83, Issue 1,December 2011, Pages 540-552
    D. Shoba, S. Periandy, M. Karabacak, **S. Ramalingam**
12. ***FT-IR and FT-Raman vibrational spectra and molecular structure investigation of nicotinamide: A combined experimental and theoretical study*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 75, Issue 5,May 2010, Pages 1552-1558
    S. Ramalingam, S. Periandy, M. Govindarajan, S. Mohan
13. ***Vibrational spectroscopy (FTIR and FTRaman) investigation using ab initio (HF) and DFT (B3LYP) calculations on the structure of 3-Bromo phenol*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 2,February 2011, Pages 575-581
    D. Mahadevan, S. Periandy, **S. Ramalingam**

14. ***Vibrational spectroscopy (FTIR and FTRaman) investigation using ab initio (HF) and DFT (B3LYP and B3PW91) analysis on the structure of 2-amino pyridine*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 77, Issue 1, 15 September 2010, Pages 73-81
    S. Ramalingam, S. Periandy, S. Mohan
15. ***Spectroscopic (FT-IR, FT-Raman and UV–vis) investigation and frontier molecular orbitals analysis on 3-methyl-2-nitrophenol using hybrid computational calculations*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 86, February 2012, Pages 139-151
    D. Mahadevan, S. Periandy, M. Karabacak, **S. Ramalingam**, N. Puviarasan
16. ***Vibrational investigation, molecular orbital studies and molecular electrostatic potential map analysis on 3-chlorobenzoic acid using hybrid computational calculations*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 84, Issue 1, 15 December 2011, Pages 210-220
    S. Ramalingam, P. David Suresh Babu, S. Periandy, E. Fereyduni
17. ***FT-IR and FT-Raman, vibrational assignments, molecular geometry, ab initio (HF) and DFT (B3LYP) calculations for 1,3-dichlorobenzene*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 79, Issue 5,September 2011, Pages 962-969
    D. Mahadevan, S. Periandy, **S. Ramalingam**
18. ***Molecular structure and vibrational analysis of 3-Ethylpyridine using ab initio HF and density functional theory (B3LYP) calculations*** Original Research Article
    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 2,February 2011, Pages 732-739
    G. Shakila, S. Periandy, **S. Ramalingam**
19. ***Comparative vibrational analysis of 1,2-Dinitro benzene and 1-Fluoro-3-nitro benzene: A combined experimental (FT-IR and FT-Raman) and theoretical study***

(DFT/B3LYP/B3PW91) Original Research Article

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 84, Issue 1,15 December 2011, Pages 86-98

D. Mahadevan, S. Periandy, **S. Ramalingam**

20. ***Molecular structure and vibrational investigation of benzenesulfonic acid methyl ester using DFT (LSDA, B3LYP, B3PW91 and MPW1PW91) theory calculations*** Original Research Article

    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 1,January 2011, Pages 168-178

    P. David Suresh Babu, S. Periandy, S. Mohan, **S. Ramalingam**

21. ***Vibrational investigation on FT-IR and FT-Raman spectra, IR intensity, Raman activity, peak resemblance, ideal estimation, standard deviation of computed frequencies analyses and electronic structure on 3-methyl-1,2-butadiene using HF and DFT (LSDA/B3LYP/B3PW91) calculations*** Original Research Article

    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 82, Issue 1,November 2011, Pages 79-90

    S. Ramalingam, A. Jayaprakash, S. Mohan, M. Karabacak

22. ***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**

23. ***FTIR and FTRaman spectroscopic investigation of 2-bromo-4-methylaniline using ab initio HF and DFT calculations*** Original Research Article

    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 76, Issue 1,June 2010, Pages 84-92

    S. Ramalingam, S. Periandy, B. Narayanan, S. Mohan

24. ***Vibrational spectroscopic (FTIR and FTRaman) investigation using ab initio (HF) and DFT (LSDA and B3LYP) analysis on the structure of Toluic acid*** Original Research

Article

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 4,April 2011, Pages 1321-1328

P. David Suresh Babu, S. Periandy, **S. Ramalingam**

25. ***Experimental (FT-IR and FT-Raman) and theoretical (HF and DFT) investigation, IR intensity, Raman activity and frequency estimation analyses on 1-bromo-4-chlorobenzene*** Original Research Article

    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 79, Issue 5,September 2011, Pages 920-927

    V. Udayakumar, S. Periandy, **S. Ramalingam**

26. ***FT-IR and FT-Raman spectra and vibrational investigation of 4-chloro-2-fluoro toluene using ab initio HF and DFT (B3LYP/B3PW91) calculations*** Original Research Article

    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 1,January 2011, Pages 429-436

    S. Ramalingam, S. Periandy, B. Elanchezhian, S. Mohan

27. ***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**

28. ***Single crystal structure, spectroscopic (FT-IR, FT-Raman, ^{1}H NMR, ^{13}C NMR) studies, physico-chemical properties and theoretical calculations of 1-(4-chlorophenyl)-3-(4-nitrophenyl)triazene*** Original Research Article

    Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 90, May 2012, Pages 193-201

    E. Fereyduni, M.K. Rofouei, M. Kamaee, **S. Ramalingam**, S.M. Sharifkhani

29. ***Spectroscopic investigation, computed IR intensity, Raman activity and vibrational frequency analysis on 3-bromoanisole using HF and DFT (LSDA/MPW1PW91) calculations***Original Research Article

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 2,February 2011, Pages 835-843

S. Ramalingam, S. Periandy

30. ***FT-IR and FT-Raman, UV spectroscopic investigation of 1-bromo-3-fluorobenzene using DFT (B3LYP, B3PW91 and MPW91PW91) calculations*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 82, Issue 1,November 2011, Pages 481-492
D. Mahadevan, S. Periandy, M. Karabacak, **S. Ramalingam**
31. ***FT-IR and FT-Raman vibrational analysis, ab initio HF and DFT simulations of isocyanic acid 1-naphthyl ester*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 81, Issue 1,15 October 2011, Pages 504-518
D. Shoba, M. Karabacak, S. Periandy, **S. Ramalingam**
32. ***FT-IR and FT-Raman spectral investigation, computed IR intensity and Raman activity analysis and frequency estimation analysis on 4-chloro-2-bromoacetophenone using HF and DFT calculations*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 78, Issue 2,February 2011, Pages 826-834
S. Ramalingam, P. Anbusrinivasan, S. Periandy
33. ***Vibrational spectroscopic investigation (FT-IR and FT-Raman) on 1,2-dibromobenzene by HF and hybrid (LSDA and B3LYP) calculations*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 86, February 2012, Pages 449-455
G. Shakila, S. Periandy, **S. Ramalingam**
34. ***FTIR and FTRaman spectra, assignments, ab initio HF and DFT analysis of 4-nitrotoluene*** Original Research Article
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 75, Issue 4,April 2010, Pages 1308-1314
S. Ramalingam, S. Periandy, M. Govindarajan, S. Mohan
35. ***Experimental (FT-IR, FT-Raman) and theoretical (HF and DFT) investigation and HOMO and LUMO analysis on the structure of p-fluoronitrobenzene*** Original Research

Article

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 83, Issue 1,December 2011, Pages 575-586

V. Udayakumar, S. Periandy, M. Karabacak, **S. Ramalingam**

36. ***Spectroscopic (infrared, Raman, UV and NMR) analysis, Gaussian hybrid computational investigation (MEP maps/HOMO and LUMO) on cyclohexanoneoxime***

Original Research Article

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 96, Issue 1, December 2012, Pages 207-220.

S. Ramalingam, M. Karabacak, S. Periandy, N. Puviarasan, D. Tanuja,

37. ***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.

38. ***Molecular Structure and Vibrational Analysis of 1-Bromo-2-Chlorobenzene Using ab initio HF and Density Functional Theory (B3LYP) Calculations***

Journal of Atomic, Molecular, and Optical Physics, Volume 2011, Article ID 512841, 10

G. Shakila, S. Periandy, **S. Ramalingam**

39. ***Spectroscopic (FT-IR/FT-Raman) and computational (HF/DFT) investigation and HOMO/LUMO/MEP analysis on 2-amino-4-chlorophenol***

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 104 (2013) 337–351.

S. Ramalingam, S. Periandy, M. Karabacak, N. Karthikeyan

40.***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.

41. ***Preparation, characterization, spectroscopic (FT-IR, FT-Raman, UV and visible) studies, optical properties and Kubo gap analysis of In2O3 thin films***

Journal of Molecular Structure, Volume 1049, 8 October 2013, Pages 239-249.

M. Jothibas, C. Manoharan, **S. Ramalingam**, S. Dhanapandian, S. Johnson Jeyakumar, M. Bououdina

42***. Experimental [FT-IR and FT-Raman] Analysis and Theoretical [IR, Raman, NMR and UV-Visible] Investigation on Propylbenzene***.

Xavier S, **Ramalingam S**, Periandy S (2014), J Theor Comput Sci 1:109. doi: 10.4172/jtco.1000109.

43***. Precise Spectroscopic [IR, Raman and NMR] Investigation and Gaussian Hybrid Computational Analysis (UV-Visible, NIR, MEP Maps and Kubo Gap) on L-Valine*** Ebenezar IJD, **Ramalingam S**, Raja CR, Helan V (2013), J Theor Comput Sci 1:106. doi:10.4172/jtco.1000106.

44. ***Spectroscopic [IR and Raman] Analysis and Gaussian Hybrid Computational Investigation- NMR, UV-Visible, MEP Maps and Kubo Gap on 2,4,6-Nitrophenol,*** **Ramalingam S**, Ebenezar IJD, Raja CR, Prabakar PCJ (2014) J Theor Comput Sci 1:108. doi: 10.4172/jtco.1000108.

45. ***Vibrational Spectroscopic [IR and Raman] Analysis and Computational Investigation [NMR, UV-Visible, MEP and Kubo gap] on L-Valinium Picrate.***

I. John David Ebenezar, **S. Ramalingam**, C. Ramachandra Raja and P. C. Jobe Prabakar, J. Nano. Adv. Mat. 2, No. 1, 11-25 (2014).

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Maria susai Boobalan, **S. Ramalingam**, M. Amaladasan, D. Tamilvendan, G. Venkatesa Prabhu, M. Bououdina, Journal of Molecular Structure 1072 (2014) 153–172.

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Maria susai Boobalan, M. Amaladasan, D. Tamilvendan, **S. Ramalingam**, G. Venkatesa Prabhu, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 131 (2014) 303–318.

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N. Karthikeyan, J. Joseph Prince, **S. Ramalingam**, S. Periandy, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 124 (2014) 165–177.

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M. Manzoor Ali, Gene George, S. Ramalingam, S. Periandy, V. Gokulakrishnan
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Maria susai Boobalan, M. Amaladasan, S. Ramalingam, D. Tamilvendan, G. Venkatesa Prabhu, M. Bououdina

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 137, 25 February 2015, Pages 962-978

54. **Spectroscopic investigation and chemical properties analysis on anticancer compound; α,α,ά,ά-Tetrabromo-p-Xylene with computational analysis,**
M. Manzoor ali, Gene George, S. Ramalingam, S. Periandy, V. Gokulakrishnan

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S. Ramalingam · P. Dhamodharan · C. Manoharan · S. Dhanapandian · M. Bououdina, Journal of Materials Science Materials in Electronics 04/2015; 2(1):10-28. DOI: 10.1007/s10854-015-2990-7

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S. Xavier · S. Periandy · S. Ramalingam

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60. Synthesis And Characterization of Zinc Selenide (Znse) Thin Films Electrodeposited on ITO And SnO2 substrates

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N. Moorthy, P.C. Jobe Prabakar, S. Ramalingam, G.V. Pandian, P. Anbusrinivasan

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66. **Crystal growth and DFT insight on sodium para-nitrophenolate para-nitrophenol dihydrate single crystal for NLO applications,**
Journal of Molecular Structure, Volume 1125, 5 December 2016, Pages 1-11
S. Selvakumar, Maria Susai Boobalan, S. Anthuvan Babu, S. Ramalingam, A. Leo Rajesh

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Journal of Physics and Chemistry of Solids, Volume 95, August 2016, Pages 74-88

N. Moorthy, P.C. Jobe Prabakar, S. Ramalingam, M. Govindarajan, S. Joshua Gnanamuthu, G.V. Pandian.

68. **Preparation and characterization of spray deposited Sn-doped ZnO thin films onto ITO subtracts as photoanode in dye sensitized solar cell,**

P. Dhamodharan, C. Manoharan, S. Dhanapandian, M. Bououdina & S. Ramalingam

Journal of Materials Science: Materials in Electronics, DOI 10.1007/s10854-015-2990-7.

69. **Influence ofsprayednanocrystallineZn-dopedTiO2 photoelectrode with the dye extracted fromHibiscus Surattensisas sensitizer in dye-sensitized solar cell**

A.Arunachalam, S.Dhanapandian, C.Manoharan, M.Bououdina, S.Ramalingam, M. Rajasekaran, M.Radhakrishnan, A.MohamedIbraheem, Ceramics International42 (2016)11136–11149.

70. **Molecular vibrational investigation [FT-IR, FT-Raman, UV–Visible and NMR] on Bis(thiourea) Nickel chloride using HF and DFT calculations**

S. Anand, R.S. Sundararajan, C. Ramachandraraja, S. Ramalingam, R. Durga.

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 138 (2015) 203 – 215.

71. **Physico – Chemical characterization, Opto Electronic investigation and Vibrational Analysis on Coordinate covalent complex; Bis (thiourea) Nickel Bromide (BTNB) using Experimental and Computational tools**

Anand S, Sundararajan R.S, Ramachandraraja C, Ramalingam S and Durga R.

Journal of Theoretical & Computational Science, 3: 141 (2016) 1 – 15,

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Durga R, Sundararajan R.S, Ramachandraraja C, Ramalingam S and Anand S.

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73. **Molecular Structure, Vibrational spectra [FT-IR and FT-Raman], Electronic spectra [UV-Visible] and NMR Analysis on Hydroquinone Using HF and DFT Calculations**

R. Durga, S.Anand, K. Rajkumar, S. Ramalingam, R.S. Sundararajan,
International Advanced Research Journal in Science, Engineering and Technology, Vol. 3, Issue 5 (May 2016) 211 – 223,

74. **The spectroscopic (FT-IR, FT-Raman, NMR & UV-Vis) and first order hyperpolarizability, HOMO and LUMO analysis of Maleic anhydride by HF and DFT methods**

R. Durga, S. Anand, K. Rajkumar, S. Ramalingam, R.S. Sundararajan.
IOSR Journal of Applied Physics, Vol. 8, Issue 3 (June 2016)1 – 14,

75. **Vibrational, NMR and UV-Visible spectroscopic investigation, HOMOLUMO and NLO studies on Bis(thiourea) Cadmium chloride (BTCC) Using quantum mechanical simulations**

R. Durga, R. S. Sundararajan, S. Anand, C. Ramachandraraja and S. Ramalingam.
Journal of Computational Methods in Molecular Design, 2016, 6 (2):39-59.

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P. Dhamodharan Chellasamy Manoharan, Mohamed Bououdina, S. Ramalingam.
International journal of Solar Energy 141 (2017) 127–144.

77**. Electronic and vibrational spectroscopic (FT-IR and FT-Raman) investigation using ab initio (HF) and DFT (B3LYP and B3PW91) and HOMO/LUMO/MEP analysis on the structure of l-serine methyl ester hydrogen chloride**

G.Nageswari, GeneGeorgea, S.Ramalingam, M.Govindarajan
Journal of Molecular Structure, Volume 1166, 15 August 2018, Pages 422-441.

78. **Exhaust Emissions Reduction from Neat Biodiesel Operated Diesel Engine Using Catalyst Coated Piston and Antioxidant Additive**

S Rajendran, S Ramalingam, M Viswanathan, SAE Technical Paper.

79. **Molecular structure investigation towards pharmacodynamic activity and QSAR analysis on hypoxanthine using experimental and computational tools**

G.Susithra, S.Ramalingama, S.Periandy, R.Aarthi
Egyptian Journal of Basic and Applied Sciences, Available online 14 June 2018.

80. **Vibrational investigation on pharmaceutical activity of m-xylene-4-sulphonic acid by quantum computational and experimental support**

S Ramalingam, M Manzoor Ali, G George, AA Manthiri, S Periandy

Journal of Taibah University for Science 12 (1), 87-103.

81. **Spectroscopic and QSAR analysis on Antibiotic drug; 2-amino-4, 6-dimethylpyrimidine using Quantum Computational Tools**

P Johnson, G George, S Ramalingam, S Periandy

J Mol Pharm Org Process Res 6 (142), 2.

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S Ramalingam

Acta Scientific Pharmaceutical Sciences 2, 13-23.

83. **Vibrational and NMR Investigation on Pharmaceutical Activity of 2,5-Dimethoxy-4-Ethylamphetamine by Theoretical and Experimental Support**

A Madanagopal, S Periandy, P Gayathri, S Ramalingam* and S Xavier.

Journal of Molecular Pharmaceutics and Organic Process Research, Volume 5 • Issue 1 • 1000135.

84. **Spectroscopic and computational investigation of the structure and pharmacological activity of 1-benzylimidazole**

A. Madanagopala, S. Periandyb, P. Gayathria, S. Ramalingamc,∗,S. Xavierd, Vladimir K. Ivanove

Journal of Taibah University for Science 11 (2017) 975–996.

85. **Molecular Structure Investigation Towards Pharmacodynamic Activity and Qsar Analysis on N-8-Quinolnyl-1,2-Benzenediamine using Experimental and Computational Tools**

G Susithra*, S Ramalingam, S Periandy and R Aarthi

Acta Scientific Pharmaceutical Sciences, Volume 2 Issue 6 June 2018.

86. **Spectroscopic and computational (DFT-SCF) investigations on anti tuberculosis activity of Isonicotino hydrazide**

P. Johnson a, Gene George a, S. Ramalingam* b, S. Periandy c

Journal of Pharmaceutics and Pharmacology Research, Auctores Publishing – Volume1-10001.

87. **Molecular structure-associated pharmacodynamic investigation on benzoyl peroxide using spectroscopic and quantum computational tools**

R. Aarthi, S. Ramalingam, S. Periandy & K. Senthil Kannan

Journal of Taibah University for Science, DOI: 10.1080/16583655.2018.1451116

88. **Pharmacodynamic investigation on 2-Imino-5-phenyl-4-oxazolidinone using Experimental and theoretical Spectroscopic tools**

R. Aarthi a, S. Ramalingam b, S. Periandy c

International journal of basic and applied research, September 2018 Volume 8 Number 9.

89. **Pharmacodynamic investigation and QSAR analysis on Molecular structure of Tetrachlorophthalic acid using spectroscopy tools supported by quantum calculations**

S. Ramalingam, G. Susithra, R. Aarthi

International journal of basic and applied research, September 2018 Volume 8 Number 9.

90. **Exploration of unknown Biological and Structural properties of drug 5-Methoxy 2-Methyl Indole by experimental and theoretical molecular spectroscopy**

K. Hemachandrana, P. Anbusrinivasanb, S. Ramalingamc, C. Manoharand

International journal of basic and applied research, September 2018 Volume 8 Number 9.

91. **Molecular property, UV-visible spectra, NMR analysis of Pyrazinamide using computational tools**

A. Sathya, T.Prabhu, S.Ramalingam

International journal of basic and applied research, September 2018 Volume 8 Number 9.

92. **Pharmacodynamic investigation and QSAR analysis on Molecular structure of Tetrachlorophthalic acid using spectroscopy tools supported by quantum calculations** S. Ramalingam

International journal of basic and applied research, September 2018 Volume 8 Number 9.

93. **Molecular structure confinement and molecular charge assignment analysis on n,n-diethyl isonicotinamide**

P. Johnson a, Gene George a, S. Ramalingam* b,

International journal of basic and applied research, February 2019 Volume 9 Number 2.

94. **Electronic and Vibrational Spectroscopic (FT-IR and FT-Raman) investigation using ab initio (HF) and DFT (B3LYP and B3PW91) and HOMO/LUMO/MEP analysis on the structure of L-serine methyl ester hydrogen chloride**

G Nageswari, G George, S Ramalingam, M Govindarajan

Journal of Molecular Structure 1166, 422-441

95. **Vibrational investigation on pharmaceutical activity of *m*-xylene-4-sulphonic acid by quantum computational and experimental support**

S Ramalingam, M Manzoor Ali, G George, AA Manthiri, S Periandy]

Journal of Taibah University for Science 12 (1), 87-103

96. **Molecular structure investigation towards pharmacodynamic activity and QSAR analysis on hypoxanthine using experimental and computational tools**

G Susithra, S Ramalingam, R Aarthi

Egyptian Journal of Basic and Applied Sciences 5 (4), 313-326

97. **Molecular structure activity investigation and spectroscopic analysis of (4-Chloro-2-methylphenoxy) acetic acid using Computational methods**

G Nageswari, G George, S Ramalingam, M Govindarajan

Journal of Pharmacology and Medicinal Chemistry 2 (1)

98. **Study on the molecular structure, spectroscopic analysis and dft analysis of n-formyl-dl-alpha-aminobutyric acid**

G Nageswari, G George, S Ramalingam, M Govindarajan

Journal of Applied Physical Science International 10 (4), 199-219

99. **Biological and structural properties' interpretation on antitumour drug 3-(2-aminoethyl) indole (tryptamine) using molecular spectroscopy and computational tools**

Hemachandran, K., Anbusrinivasan, P., Ramalingam, S., Manoharan, C., & Aarthi, R.

Journal of Taibah University for Science, 13(1),231-247.

100 **Theoretical bio-molecular spectroscopic investigation on N,N-diethyl Isonicotinamide to interpret Anti-fungal drug activity**

P. Johnson a, Gene George a, S. Ramalingam* b,

International Journal of Sciences: Basic and Applied Research (IJSBAR) 9(2):184-189

Dr.S. Ramalingam is conferred a special recognition under **BEST RESEARCHER** for the year 2018 this award recognizes the futuristic and outstanding best practices in the field of education DK international research foundation (DKIRF AWARDS- 2018) 27th may 2018.

Total impact factor- 145

Citation index: 1083

Research Gate score – 33.57

h-parameter- 17

i -10 index – 44

MOU with Materials Research Department (MRD), iThemba LABS-National Research Foundation (NRF), Western Cape Province, South Africa.

13. Invited Talk / Guest Lectures : 18

1. Acted as Resource person in one day seminar on uses of Spectroscopy held at Dharmapuram Arts college, Mayiladuthurai, Tamilnadu, India on 3rd September 2009.

2. Acted as Resource person 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.

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

4. Acted as Resource person in **National seminar on Waves and wave functions** held at Togore Arts college, Government of Puducheery, India on 27th February.

5. Acted as Resource person in the Topic of **Gaussian 09W Hands on Training in National workshop on Material science** and theoretical physics, held at St. Josephs college of Arts and Science, Cuddalore, Tamilnadu, India on 2&3 September 2015.

6. Acted as Resource person in **Two days National level seminar on Nuclear Engineering** 5&6th March 2015 held at A.V.C College Engineering, Mayiladuthurai, Tamilnadu, India.

7. Acted as Resource person in seminar on **Characterization studies in Physics** held at Dharmapuram Arts College, Mayiladuthurai, Tamilnadu, India on 29th September 2016.

8. Gave an invited talk" on Material science and Technology held at Joseph arts and science College, Thirunavalur , Villupuram district,Tamilnadu, India on 25th October 2017.

9. Acted as a resource person in the national seminar on "recent advances in molecular pectroscopy" organized by department of physics, Sengamala thayar educational trust women's college, Sundarakkottai, Mannnargudi on 27th Feb 2018.

10.Chaired a session for poster presentation in the international conference on "New materials and aird land" held on 15th and 16th march 2017 at St. Joseph's college of arts and science(Auto) college, Cuddalore.

11. Gave talk on material science & Technology in Faculty development program on 3rd Nov 2017 at EGS Pillay group of Institutions Nagapattinam.

12. Acted as a Resource person in One day seminar on "Advances in applied physics" organized on 27th February 2018 at Nethaji Subash Chandrabose college, Thiruvarur.

13. Acted a Resource person in International conference on New Materials and Arid Land held at St.Joseph's college of arts and science(Auto), Cuddalore on 15th and 16th March 2018

14. Gave Invited lecture on Characterization technology in International conference on "Resent Trend in Applied Science and Technology", Organized by periyar university, Salem,Tamil Nadu, India during 23-25 August 2018.

15. Invited talk in the national seminar on " Recent advances in molecular spectroscopy"(RAMS-18) organized by the department of physics held on 27th /2/2018 sengamala thayaar educational trust women's college sundarakkottai, mannargudi

16. In the 2nd International conference invited talk on "Quantum computational tool for material characterization in the on recent trends in applied science and technology (ICRTAST -2018), organized by periyar university, salem, Tamil nadu, India 23-25/2018.

17. In the International conference chaired a section entitled "poster presentation in the "on new materials and Arid land (ICNMAL-2018) held at St. Joseph's college of arts and science cuddalore on 15th and 16th march 2018.

18. In International conference invited talk on Application oriented materials on 14-15rd Sept. 2018 and resent at EGS Pillay group of Institutions Nagapattinam.

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

1. Member
The Science Advisory Board
2111 Wilson Boulevard, Suite 250
Arlington, VA 22201
703.778.3080 x14 (office)
703.778.3081 (facsimile).

2. Editorial board member

SCIENCEDOMAIN *international* (SDI)

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Fax: +1 845-231-6220
Email: contact@sciencedomain.org

Reviewer in Journals:

- Elsevier: Spectrochimica Acta: Molecular and Biomolecular spectroscopy.
- Elsevier: Journal of vibrational spectroscopy.
- Elsevier: Molecular Structure (Theochem.) Netherlands (U.S Journal).
- International journal of Industrial chemistry.
- European journal of chemistry.
- Journal of Atomic, molecular and Optical physics.
- Science Domain International.
- Springer Journals: Journal of structural chemistry.
- Elsevier: Journal of fluorine chemistry.
- Journal of scientific research.
- Journal of petroleum chemistry.
- Elsevier: Journal of Molecular Liquids
- International Journal of Oral and Craniofacial Science
- Journal of Medicinal & Organic Chemistry
- Journal of sulfur chemistry

1. Any Other Honors (Awards from State, National, International and NGOs)

    - Senior scientist award in National conference on Quantum functional and basis sets at Tagore Arts College by the Government of Puducherry.

- Member in Biomedical Library USA
- **BEST RESEARCHER** for the year 2018 this award recognizes the futuristic and outstanding best practices in the field of education DK international research foundation (DKIRF AWARDS- 2018) 27th may 2018.

2. Residential Address:

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Mayiladuthurai-609003.
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Email: ramalingam.physics@gmail.com