

CURRICULUM VITAE

NAME **M. GOVINDARAJAN**

DESIGNATION Assistant Professor

Mail ID govindarajan64@gmail.com

Cell 9443525988

Adhaar 478208210935

Pan AUJPG4369F

Nativity Poovam, Karaikal

Nationality Indian

Pay 7th CPC 19

DOB 15-05-1964

Address Permanent:

46/1 Sivan Koil Street, Poovam, Kottucherry Post, Karaikal

Address Present:

46/1 Sivan Koil Street, Poovam, Kottucherry Post, Karaikal

Name qualification	Subject	College	%	Year
B.sc.,	Physics	T.B.M.L, Porayar,Tamilnadu	75%	1985
M.sc.,	Physics	T.B.M.L, Porayar,Tamilnadu	72%	1988
M.Rhil.,	Physics	KMCPGS, Puducherry	First Class	2001
P.hD.,	Physics	BharathidasanUniversity , Trichy	First Class	2011

Academic Achievements:

Orientation

Yes, Pondicherry University, 19.08.2010 to 15.09.2010

Refresher I

Yes, Pondicherry University, 30.07.2014 to 19.08.2014

Refresher II

Yes, Madurai Kamaraj University, 16.11.2018 to 06.12.2018

Conference/Seminar

1. Spectral and theoretical vibrational analysis of bromobenzoic acid and anthranilic acid

M.Govindarajan, K.Ganesan, S.Periandy and S.Mohan .

Proceedings of international conference on photonics, Nanotechnology and computer n applications
25-29 February 2009, PRIST UNIVERSITY

2. Theoptical and experimental vibrational analysis of 3-chloro-4-methyl aniline and chloro benzoic acid . **M.Govindarajan**, K.Ganesan, S.Periandy and S.Mohan .

Proceedings of international conference on photonics, Nanotechnology and computer n applications. 25-29 February 2009, PRIST UNIVERSITY

3.Spectral and theoretical vibrational analysis of anthranilic acid and 4-chloro3-methyl aniline

M.Govindarajan, K.Ganesan, S.Periandy and S.Mohan

Proceedings of international conference on photonics, Nanotechnology and computer n applications. 25-29 February 2009, PRIST UNIVERSITY

4. Spectral and theoretical vibrational analysis of chloro benzoic acid and bromobenzoic acid

M.Govindarajan, K.Ganesan, S.Periandy and S.Mohan

Proceedings of international conference on photonics, Nanotechnology and computer n applications. 25-29 February 2009, PRIST UNIVERSITY

**Paper Published with Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy ,
Journal of Molecular Structure, Applied sciences and Open Chem etc**

Sl.no	Title	Year of publication
2011		
1.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy FT-IR, FT-Raman and UV spectral investigation: Computed frequency estimation analysis and electronic structure calculations on chlorobenzene using HF and DFT *M. Govindarajan ,, M. Karabacak ^b , V. Udayakumar ^c , S. Periandy	20 November 2011
2	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy FT-IR, FT-Raman and UV spectral investigation; computed frequency estimation analysis and electronic structure calculations on 1-nitronaphthalene *M.Govindarajana ,M.Karabacak	10 october 2011
3	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy FT-IR, FT-Raman, ab initio, HF and DFT studies, NBO, HOMO–LUMO and electronic structure calculations on 4-chloro-3-nitrotoluene *M. Govindarajan , M. Karabacak, A. Suvithac and S. Periandy	21 December 2011

2012

4	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Vibrational spectroscopic studies, NLO, HOMO–LUMO and electronic structure Calculations of , α α -trichlorotoluene using HF and DFT *M. Govindarajan , M. Karabacak, S. Periandy and S. Xavier	21 March 2012
5	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Analysis of vibrational spectra (FT-IR and FT-Raman) and nonlinear optical properties of organic 2-chloro-p-xylene *M. Govindarajan and M. Karabacak	10 March 2012
6	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Spectroscopic properties, NLO, HOMO–LUMO and NBO analysis of 2,5-Lutidine *M. Govindarajan and M. Karabacak	25 May 2012
7	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Spectroscopic (FT-IR, FT-Raman, UV and NMR) investigation and NLO, HOMO-1 LUMO, NBO analysis of organic 2,4,5-trichloroaniline *M. Govindarajan , M. Karabacak, S. Periandy and D. Tanuja	8 June 2012
8	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy FT-IR and FT-Raman spectra, thermo dynamical behavior, HOMO and LUMO, UV, NLO properties, computed frequency estimation analysis and electronic structure calculations on a-bromotoluene *M. Govindarajan , S. Periandy and K. Carthigayen	10 June 2012
9	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy FT-IR and FT-Raman spectra, thermo dynamical behavior, HOMO and LUMO, UV, NLO properties, computed frequency estimation analysis and electronic structure calculations on a-bromotoluene *M. Govindarajan , S. Periandy, K. Carthigayen	1 July 2012

2013

10	Journal of Molecular Structure FT-IR, FT-Raman and UV spectral investigation; computed frequency estimation analysis and electronic structure calculations on 4-hydroxypteridine *M. Govindarajan and M. Karabacak	3 January 2013
11	Journal of Molecular Structure Spectroscopic (FT-IR, FT-Raman and NMR) and computational studies on 3- methoxyaniline T. Sivaranjini, S. Periandy, *M. Govindarajan , M. Karabacak, A.M. Asir	9 October 2013
12	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Vibrational frequency analysis, FT-IR, FT-Raman, ab initio, HF and DFT studies, NBO, HOMO–LUMO and electronic structure calculations on pycolinaldehyde oxime A. Suvitha, S. Periandy, S. Boomadevi, M. Govindarajan	21 July 2013
13	Journal of Molecular Structure Vibrational, DFT, and thermal analysis of 2,4,6-triamino-1,3,5-triazin-1-ium 3-(prop- 2-enoyloxy) propanoate acrylic acid monosolvate monohydrate V. Sangeetha, M. Govindarajan , N. Kanagathara, M.K. Marchewka, M. Drozd, G. Anbalagan	3 October 2013
14	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Vibrational, DFT, thermal and dielectric studies on 3-nitrophenol-1,3,5-triazine-2,4,6- triamine (2/1) V. Sangeetha, M. Govindarajan , N. Kanagathara, M.K. Marchewka, S. Gunasekaran,	26 September 2013

	G. Anbalagan	
--	--------------	--

2014

15	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Structure and vibrational spectra of melaminium bis(trifluoroacetate) trihydrate: FT-IR, FT-Raman and quantum chemical calculations V. Sangeetha , M. Govindarajan , N. Kanagathara, M.K. Marchewka S. Gunasekaran, G. Anbalagan	8 January 2014
16	Journal of Molecular Structure Crystal and molecular structure, conformational, vibrational properties and DFT calculations of melaminium bis (hydrogen oxalate) V. Sangeetha, M. Govindarajan N. Kanagathara , S. Gunasekaran , P.R. Rajakumar , G. Anbalagan	26 February 2014
17	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Molecular structure and vibrational spectroscopic studies on 2-furanacetic acid monomer and dimer H. Ghalla , *M. Govindarajan , H.T. Flakus, N. Issaoui , S.J. Yaghmour, B. Oujia	18 September 2014
18	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Spectroscopic analysis of cinnamic acid using quantum chemical Calculations K.S. Vinod , S. Periandy , M. Govindarajan	22 September 2014
19	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Vibrational analysis using FT-IR, FT-Raman spectra and HF–DFT methods and NBO, NLO, NMR, HOMO–LUMO, UV and electronic transitions studies on 2,2,4-trimethyl pentane A. Suvitha S. Periandy , M. Govindarajan , P. Gayathri	13 October 2014

2015

20	Applied sciences Experimental and Theoretical Studies of the Vibrational and Electronic Properties of (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]-N-phenylhydrazinecarboxamide: An Anticonvulsant Agent Munusamy Govindarajan , Ali S. Abdelhameed , Abdulaziz A. Al-Saadi and Mohamed I. Attia	29 October 2015
----	--	-----------------

2016

21	Journal of Molecular Structure Spectroscopic (FT-IR, FT-Raman, UV, 1H and 13C NMR) profiling and theoretical calculations of (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]hydrazinecarboxamide: An anticonvulsant agent Nadia G. Haress , Munusamy Govindarajan , Reem I. AL-Wabli, Maha S. Almutairi , Monirah A. Al-Alshaikh d , Abdulaziz A. Al-Saadi e , Mohamed I. Attia	8 April 2016
22	Journal of Molecular Structure Spectroscopic [FT-IR and FT-Raman] and molecular modeling (MM) study of benzene sulfonamide molecule using quantum chemical calculations K.S. Vinod , S. Periandy , M. Govindarajan	8 March 2016
23	Journal of Physics and Chemistry of Solids Spectroscopic analysis, AIM, NLO and VCD investigations of acetaldehyde thiosemicarbazone using quantum mechanical simulations N. Moorthy, P.C.JobaPrabakar, S.Ramalingam,n, M.Govindarajan , S. JoshuaGnanamuthu, G.V.Pandian	7 April 2016
24	Open Chem., A combined experimental and theoretical study on vibrational and electronic	9 October 2016

	properties of (5-methoxy-1 <i>H</i> -indol-1-yl)(5-methoxy-1 <i>H</i> -indol-2-yl)methanone Reem I. Al-Wabli, Munusamy Govindarajan , Maha S. Almutairi, Mohamed I. Attia	
--	---	--

2017		
25	Open Chem Spectroscopic (FT-IR, FT-Raman, UV, ¹ H and ¹³ C NMR) insights, electronic profiling and DFT computations on ((<i>E</i>)-[3-(1 <i>H</i> -imidazol-1-yl)-1-phenylpropylidene]amino)oxy)(4-nitrophenyl)methanone, an imidazole-bearing anti- <i>Candida</i> agent Lamya H. Al-Wahaibi, Munusamy Govindarajan , Ali A. El-Emam, Mohamed I. Attia	2 December 2017
2018		
26	Journal of Molecular Structure 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, Gene George, S. Ramalingam, *M. Govindarajan	4 April 2018
27	J. Chil. Chem. Soc., A THEORETICAL QUANTUM STUDY OF THE ELECTRONIC PROPERTIES OF MENTOXY DICHLORO PHOSPHOROUS (C ₁₀ H ₁₉ O ₂ PCl ₂) AMIR LASHGARI, SHAHRIAR GHAMAMI, M. GOVINDARAJAN , GUILLERMO SALGADO-MORÁN, PAOLA MONTES ROMERO, LORENA GERLI CANDIA	2018
28	Journal of Applied Physical Science International STUDY ON THE MOLECULAR STRUCTURE, SPECTROSCOPIC ANALYSIS AND DFT ANALYSIS OF NFORMYL-DL-ALPHA-AMINO BUTYRIC ACID G. NAGESWARI, GENE GEORGE, S. RAMALINGAM AND * M. GOVINDARAJAN	26 December 2018
29	Journal of Molecular Structure Spectral characterization, computed frequencies analysis and electronic structure calculations on (1 <i>E</i>)- <i>N</i> -hydroxy-3-(1 <i>H</i> -imidazol-1-yl)-1-phenylpropan-1-imine: An oxime-bearing precursor to potential antifungal agents Reem I. Al-Wabli, Munusamy Govindarajan , Maha S. Almutairi, Mohamed I. Attia	28 May 2018
2019		
30	Journal of Applied Physical Science International VIBRATIONAL, NMR AND UV VISIBLE SPECTROSCOPIC INVESTIGATION OF THIOSEMICARBAZONE OF 4-CHLORO BENZALDEHYDE USING COMPUTATIONAL CALCULATION C. JEEVARATHINAM, G. V. PANDIAN AND M. GOVINDARAJAN	23 February 2019
31	Journal of Applied Physical Science International DENSITY FUNCTIONAL THEORY CALCULATIONS OF VIBRATIONAL SPECTRA OF THIOSEMICARBAZONE OF ACETONE AND ACETALDEHYDE C. JEEVARATHINAM, G. V. PANDIAN AND M. GOVINDARAJAN	05 April 2019
32	Journal of Molecular Structure Molecular analyses using FT-IR, FT-Raman and UV spectral investigation; quantum chemical calculations of dimethyl phthalate G. Nageswari, Gene George, S. Ramalingam, * M. Govindarajan	23 May 2019

No. of : M.Phil guided

Two

M. Govindarajan
Assistant professor in physics
AAGAS College, Karaikal