

RESUME



DR. R. KUMUTHA

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CARRER OBJECTIVE

To be associated with a progressive organization which can provide me with a dynamic work sphere to extract my inherent skills as a Professional, use and develop my aptitude to further the organization's objectives and also attain my career targets in the progress.

ACADEMIC PROFILE

QUALIFICATION	INSTITUTION/ SCHOOL	UNIVERSITY/BOARD OF STUDY	YEAR OF PASSING	PERCENTAGE/ STATUS
Ph.D	Sri Venkatesawara College of Engineering Sriperumadhur, Chennai	Anna University, Chennai (Part -Time)	May 2016	-
M.Phil	Correspondence	Madurai Kamaraj University	July 2009	II
M.Sc	Meenakshi College for women ,Chennai	Madras University	May 2006	I
B.Sc	Valliammal College for women, Chennai	Madras University	June 2004	I
HSC	M.Ct.M.Girls .Hr.sec.school.Chennai	State board	March 2001	I
SSLC	BentickHr.sec.school, Chennai	State board	April 1999	I

EXPERIENCE

S.NO	NAME OF THE INSTITUTION	DESIGNATION	PERIOD	TOTAL YEAR(S)
1.	S.A.Engineering College, Chennai	Professor	28-02-2022 – Till date	11 months
2.	S.A.Engineering College, Chennai	Asso. Prof	29.9.2018- 27-2-2022	4yrs 9 months
3.	S.A.Engineering College, Chennai	Assistant Prof	23.07.2014- 28.09.2018	4yrs 2 months
4.	Jaya Engineering College, Chennai	Assistant Prof	18.4.2011- 11.5.2014	2yrs 4 months
5.	Apollo Engineering College, Chennai	Sr. Lecturer	01.09.2009- 16.04.2011	1 yr 7 months
6.	Aringar Anna Institute of Technology, Sriperumbadthur.	Lecturer	01.02.2007- 31.07.2009	2yrs 5months
	TOTAL			16yrs 2months

PROFESSIONAL MEMBERSHIP

- ❖ Life Member in Indian Society for Technical Education

AREA OF INTEREST IN RESEARCH

- ❖ Spectroscopy (**Density Functional Theory Studies on the Structure and Vibrational Spectra of some polyatomic molecules**)

GUIDESHIP

- ❖ Recognized Supervisor(Ref No:2970044) in Anna University under the department of Humanities and Science, Chennai

FDP ATTENDED

- ❖ “Effective Teaching In Engineering Education”- Conducted by SAEC during 26/10/2015- 8/11/2015.
- ❖ “Recent advances in fundamental and applied physics” SAEC during 20/6/16 - 21/6/16.
- ❖ One day workshop on LATEX conducted by SAEC on 08/01/2016.
- ❖ Five days FDP on “ Smart manufacturing – scope and challenge in research” from 17-01-2022 to 21/01/2022 at North Eastern Regional Institute of Science and technology (ATAL) through online.
- ❖ attended the Faculty Development Programme on”Embedding Research Article Writing Skills” on 05.08.2022 organized by SAEC ,Department of English.
- ❖ Successfully completed One Week Online Faculty Development Programme-on Advances in Materials, Nano-Composites and its Applications from 12th to 17th September 2022 organized by vel tech multi tech engineering college.
- ❖ participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 9th May, 2022 to 13th May, 2022.

CONFERENCE ATTENDED

- ❖ Computational Molecular Characterization of Thiourea and its derivatives, National Seminar on Current Trends in Chemistry –CTriC 2011,04-05, March 2011, Department of Chemistry, Cochin University of Science and Technology.
- ❖ Synthesis Ab initio and Density Functional Theory studies of Vibrational spectra -2(2-hydroxyphenyl)-n-(4-methylphenyl) nitron, National Seminar on Current Trends in Chemistry –CTriC 2011,04-05, March 2011, Department of Chemistry, Cochin University of Science and Technology.
- ❖ Ab initio density functional theory and structural studies of 5-phenyl –oxazolidine -2-4-dione, National Seminar on Current Trends in Chemistry –CTriC 2011,04-05, March 2011, Department of Chemistry, Cochin University of Science and Technology.
- ❖ Synthesis, structural vibrational and quantum chemical investigations of phenyl-N-(4-methylphenyl) Nitron, Feb 25-26,2011, National Conference on recent advances in fundamental and applied sciences, Vinayaka Missions University.
- ❖ Growth and Characterization of new Nonlinear optical Bis-Glycine Hydrogen Bromide single Crystal, International conference on Recent Frontiers in Applied Spectroscopy, 22-24 September 2010, at Dept of Physics, Annamalai University, Annamalai Nagar, Tamil Nadu.

- ❖ Molecular structure vibrational spectroscopic studies and Analysis of L –Prolyl L-Isoleucine Monohydrate, International conference on Recent Frontiers in Applied Spectroscopy, 22-24 September 2010, at Dept of Physics, Annamalai University, Annamalai Nagar, Tamil Nadu
- ❖ Theoretical and experimental studies of vibrational spectra of methyl dopa, International conference on Recent Frontiers in Applied Spectroscopy, 22-24 September 2010, at Dept of Physics, Annamalai University, Annamalai Nagar, Tamil Nadu.
- ❖ Molecular structure, vibrational spectroscopic studies and analysis of 2 –thiouracil and its derivatives, International conference on Recent Frontiers in Applied Spectroscopy, 22-24 September 2010, at Dept of Physics, Annamalai University, Annamalai Nagar, Tamil Nadu.
- ❖ Vibrational analysis of N-aminothiourea, International conference on Perspectives in Vibrational Spectroscopy, Feb 21-24,2010 at Dept of Physics, Banaras Hindu University, Varanasi.
- ❖ Molecular structure vibrational spectroscopic studies and analysis of Diazopropyne, International conference on Perspectives in Vibrational Spectroscopy, Feb 21-24, 2010 at Dept of Physics, Banaras Hindu University, Varanasi.
- ❖ Normal coordinate analysis of N-amino urea, International conference on Perspectives in Vibrational Spectroscopy, Feb 21-24,2010 at Dept of Physics, Banaras Hindu University, Varanasi.
- ❖ Vibrational Spectra and ab initio studies of L-Prolyl L-Isoleucine, National conference on Recent Aspects of Biological and Medicinal Chemistry-RABMC-2010, 20th-21th Feb 2010 at Department of Chemistry, Lajpat Rai Post –Graduate College, Sahibabad, Ghaziabad.
- ❖ Vibrational analysis of (CF₃)₃GeX(X=Cl, Br, I) Molecules, The Emerging Areas in Chemistry NACEAC-2009, Mysore, 31st July to 1st Aug 2009.
- ❖ Paper presented in “National conference on material for modern world” conducted by Easwari Engineering College on 28 & 29 Sep 2015.
- ❖ Paper presented in national conference on “Advances in Humanities, physical & Mathematical Sciences” conducted by SAEC on 6 & 7 April 2016.
- ❖ Paper presented in Research day “Structural and spectral studies on benzoyl Thiourea based on DFT calculations conducted by SVCE, ponnaluru.
- ❖ Paper presented in international conference “Vibrational Spectra, NBO, Homo-Lumo Analyses of Furfural carbazone” conducted by Sankara university

- ❖ participated in the International Virtual Conference on Materials Research (IVCMR-22) held on 15th-16th September 2022 organized by Easwari Engineering College.

PAPER PUBLISHED



- ❖ Sampath Krishnan, S, **Kumutha, R**, Sheela, NR & Muthu, S 2009, 'Vibrational Analysis of N-Acetylthiourea Ultra Scientist', vol. 21, no. 3, pp. 691-698.
- ❖ Sampath Krishnan, S, Santhana Krishnan, V & **Kumutha, R** 2011, 'Molecular Structure Vibrational Spectroscopic Studies and Analysis of diazopropyne Ultra Scientist', vol. 23, no. 1, pp. 169-175.
- ❖ Sampath Krishnan, S, Santhana Krishnan, V & **Kumutha, R** 2011, 'Ab initio, Density Functional Theory and Structural studies of Pemoline Ultra Scientist', vol. 23, no. 2, pp. 475-481.
- ❖ Sampath Krishnan, S, Santhana Krishnan, V, Swarna Sowmya, N & **Kumutha, R** 2012, 'Vibrational Spectra and ab initio studies of L-Prolyl L-Isoleucine' Asian Journal of Chemistry, vol. 24, no. 3, pp. 2533-2536.
- ❖ Sampath Krishnan, S, **Kumutha, R**, Balamurugan, N & Santhana Krishnan, V 2012, 'Computational Molecular Characterization of Thiourea and its Derivatives Asian Journal of Chemistry', vol. 24, no. 3, pp. 4878-4882.
- ❖ Sampath Krishnan, S, Balamurugan, N, **Kumutha, R**, Vidyalakshmi, Y & Muthu, S Growth 2012, and Characterization of New Non Linear Optical Bis-Glycine Hydro Bromide (BGHB) Single Crystal Journal of Minerals and Materials Characterization and Engineering, vol. 11, no. 6, pp. 597-607.
- ❖ **Kumutha, R**, Thirumalai Kumar, M & Sampath Krishnan, S 2013, 'Experimental and theoretical investigations of spectroscopic properties of N-acetylthiourea', Computational Chemistry, vol. 63, pp. 18536-18554.
- ❖ **Kumutha, R**, Sampath Krishnan, S & Thirumalai Kumar, M 2014, 'Computational Studies on 2(2-Hydroxyphenyl)-N-phenyl Nitro Spectroscopic Investigation', Oriental Journal of Chemistry', vol. 30, no. 4, pp. 1905-1912.
- ❖ **Kumutha, R**, Sampath Krishnan, S, Thirumalai Kumar, M, 2016. Journal of Advances in chemistry 'Structural and spectral studies on benzoyl Thiourea based on DFT calculations', ISSN 2321-807 X Vol 12 .no. 15. pp. 4826-4844.

- ❖ **Dr.R.Kumutha**, Dr.S.Sampath Krishnan,' Vibrational Spectra, NBO, Homo-Lumo Analyses of Furfural semicarbazone' Nov 2016, Journal of Advances in chemistry, ISSN 2321-807 X, vol.12, no.15, pp: 4845-4859.
- ❖ C.Charanya , S.Sampathkrishnan , **Dr.R.Kumutha** , J.Praveena , A.Bhaskaran , N.Balamurugan, Synthesis, Quantum Computational Analysis and Molecular Docking of 3-(2-Hydroxyphenyl)-1-Phenyl Propanone:A Combined Experimental and Theoretical Analysis, feb 2022, Polycyclic Aromatic Compounds, DOI Number 10.1080/10406638.2022.2157025.

PERSONAL PROFILE

Husband Name : **Mr.M.Manimaraboopathy**
 Age/ Date of Birth : 36/ 01.04.1984.
 Gender : Female.
 Nationality : Indian.
 Religion : Hindu
 Address for Communication : Plot No 2, Saibaba street, Padmavathy srinivasa Nagar,
 Ambattur, Chennai- 600053.
 Languages Known : English, Tamil (Mother Tongue).

REFERENCE

Hobbies : Listening Music & Gardening.

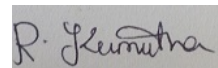
1. ***Dr.Sampath Krishnan. S***
Professor,
Sceince and Humanities,
Sri Venkateswara College of Engineering, Sriperumbuthur.
2. ***Dr.M.Anto Bennet***
Professor,
School of Electronics and Communication
Vel Tech Rangarajan Dr.Sangunthala R&D Institute of Science and Technology
Avadi

I, Kumutha.R hereby declare that the above furnished details are true to the best of my knowledge.

Date:25.01.2023

Place: Chennai

Signature



(R.KUMUTHA)