Bio-Data

Name & Designation **:** Prof. BYRU VENKATRAM REDDY
Professor of Physics
Kakatiya University, Warangal, Telangana, India
(*Dean, Faculty of Sciences, Satavahana University, Knr*)
Phone: +91 870 2461428 (O), +91 9440162740 (M)
E-mail: bvreddy67@yahoo.com

***Father's and Mother's Name*:** Late Sri Raghava Reddy & Late Smt. Laxmi Devi

Date & Place of Birth : 20/10/1966 & Peddakodepak, Warangal Dist

Educational Qualifications **:**

B.Sc	1986	Osmania University	I Div
M. Sc:	1988	Kakatiya University	I Div
B. Ed:	1990	Kakatiya University	II Div
Ph. D:	1992	Kakatiya University	-
PGDCS:	2000	Univ. of Hyderabad	I Div

Teaching Experience*:* 35 years (PG: 28 years; UG: 7 years)

S. No	Designation	Institution	From	To
1	**Professor of Physics**	Kakatiya University, Warangal	11/02/2018	Till date
2	**Associate Professor of Physics**	Kakatiya University, Warangal	11/02/2015	10/02/2018
3	**Assistant Professor of Physics**	Kakatiya University, Warangal	11/02/2003	10/02/2015
7	**Lecturer in Physics (Ad-hoc)**	Univ. P. G. College Kakatiya University Godavarikhani	05/9/1994	10/2/2003
8	**Lecturer in Physics (Part-time)**	C.K.M. College (Aided), Warangal	28/8/1989	04/9/1994

Books Authored / Edited :

1. Basic Electronics (Telugu Akademi, Hyderabad)
2. Physics of Semiconductor Devices (Telugu Akademi, Hyderabad)
3. Basic Instrumentation (Telugu Akademi, Hyderabad)

Research Credentials

(https://scholar.google.co.in/citations?user=Rkt0lRgAAAAJ&hl=en)

Research Experience	***:***	*35 Years* ***(i10-index: 27; h-index: 15; Citations: 740)***
Research Area	***:***	Molecular Spectroscopy & Material Science
Research Papers	:	62 (International: 53; National: 09) **(Annexure –III)**
Average Impact Factor of Research Papers	:	2.78
WoS & SCI Publications	:	52
No. of Ph.Ds awarded	:	06 + 01 (pursuing)
Workshops, Conferences, Seminars, etc, attended	:	52; International (Abroad): 02; International (India) : 12; National: 38 **(Annexure: IV - VIII)**
Research Projects completed/ ongoing	:	1) Major Research Project (Vibrational spectroscopic investigations and Density Functional Theory (DFT) calculations of some Biomolecules) of worth Rs. 11.45 Lakh funded by UGC, New Delhi during 2012-2015 2) Research Project (DFT computations for molecular structure and characteristics of some biomolecules) of worth Rs. 33.6956 Lakh funded by RUSA 2.0 under component 10 from 2019 onwards (**Ongoing)**
International Exposure in Research (Annexure –II)	:	Peer Reviewer for about 38 Reputed International Journals of Elsevier, American Chemical Society (ACS), Royal Society of Chemistry (RSC), Taylor & Francis, Wiley, Springer, etc. & Editorial Board Member, BMC Chemistry, Springer Nature Publishers, UK, London
Foreign visits	:	1) USA (Ohio State University, Columbus, Ohio) in 2011; **Funded by UGC, New Delhi** 2) USA (Southern Methodist University, Dallas, Texas) in *2018;* ***Funded by ITS-SERB, DST, New Delhi***

Administration Credentials (Annexure – II)

At Kakatiya University	**:**	Registrar; Controller & Additional Controller of Exams; Dean of Academic Affairs & Education; Director for CIC, RUSA & University Hostels; Head & Chairperson, Board of Studies in Physics; Project Coordinator, UGC-SAP, Dept. of Physics Principal, Univ. P.G. College, Godavarikhani; Program Officer, NSS; and Coordinator, Student Welfare & Placement Cell
At Satavahana University Karimnagar	:	Dean, Faculty of Science (**From June 2023 to till date**)

Awards / Achievements

1) Elected as 'FELLOW' of Telangana Academy of Sciences for the year 2022.
2) Recipient of 'ISPA Life Time Achievement Award – 2022' from Indian Spectro Physics Association, Chennai, India
3) Recipient of 'ISPA Dr. Gunasekaran Award – 2020' from Indian Spectro Physics Association, Chennai, India
4) Recognized as 'Outstanding Reviewer' by Elsevier Publishers for J. Molecular Structure during 2018
5) Honored with Complementary Membership by ACS, Publishers, USA
6) Identified Mentor of NITTTR, UGC, Govt. of India.
7) Member, BoS in Physics, University of Madras, Chennai
8) Member, BoS in Physics, Satavahana University, Karimnagar
9) Member, BoS in Physics, Mahathma Gandhi University, Nalgonda
10) Member, BoS in Electronics, SR&BGNR Govt. College (Autonomous), Khammam
11) Member, BoS in Physics & Electronic, Chaitanya Degree & P.G. College, Hanamkonda
12) Member, BoS in Physics, Kakatiya University, Warangal
13) Member, BoS in Environmental Science, Kakatiya University, Warangal
14) Member, Syllabus Revision Committee for Applied Physics of B.Tech, KU, Warangal

Professional Memberships

1) Life-Member, Indian Society of Atomic & Molecular Physics (ISAMP)
2) Life-Member, Lasers & Spectroscopy Society of India (LASSI)
3) Life-Member, Indian Spectro Physics Association (ISPA)
4) Member (Complementary), American Chemical Society (ACS)
5) Life-Member, Godavari Pradushana Pariharana Paryavarana Parirakhsana Gavaksham (GPPPPG).

Cont'd… for Annexure

Annexure – I (Administrative / Academic Positions held)

S. No	Position		Department / University	Period
1	Registrar	:	Kakatiya University, Warangal	01/6/2021 – 24/6/2021 & 03/8/2021 – 17/11/2022
2	Controller of Exams (FAC)	:	Kakatiya University, Warangal	01/6/2021 – 24/06/2021
3	Dean (I/c), Academic Audit	:	Kakatiya University, Warangal	03/8/2021 – 04/01/2022
4	Dean (I/c), Faculty of Education	:	Kakatiya University, Warangal	01/01/2022 – 21/01/2022
5	Dean, Faculty of Science	:	Satavahana University, Karimanagar	06/6/2023 – till date
6	Director, RUSA Centre for Molecular & Materials Physics	:	Kakatiya University, Warangal	12/8/2021 – till date
7	Addl. Controller of Examinations (Confidential)	:	Kakatiya University, Warangal	18/9/2017 – 24/6/2021
8	Addl. Controller of Examinations (UG)	:	Kakatiya University, Warangal	03/9/2012 – 31/8/2015
9	Director (I/c), Central Instrumentation Centre	:	Kakatiya University, Warangal	30/4/2020 – 04/01/2022
10	Head, Department of Physics	:	Kakatiya University, Warangal	22/5/2019 – 21/5/2021
11	Chairperson (I/c), BoS in Education	:	Kakatiya University, Warangal	01/01/2022 – 19/10/2022
12	Chairperson, BoS in Physics & Electronics	:	Kakatiya University, Warangal	30/5/2015 – 07/6/2017
13	Coordinator, UGC-SAP, Dept. of Physics	:	Kakatiya University, Warangal	09/2/2017 – 31/03/2023
14	Member, BoS in Physics	:	University of Madras, Chennai, TN	01/9/2020 – 30/8/2023
15	Member, BoS in Physics	:	Satavahana University, Karimnagar	2019 – 2021
16	Member, BoS in Physics	:	Mahathma Gandhi University, Nalgonda	2019 – 2021
17	Member, BoS in Electronics (UG)	:	SR&BGNR Govt. Degree & PG College, Khammam	2019 – 2021
18	Member, BoS in Environmental Science	:	Kakatiya University, Warangal	06/10/2016 – 05/10/2018
19	Director, University Hostels	:	Kakatiya University, Warangal	07/7/2011 – 12/9/2012
20	Member, Syllabus Revision Committee for Applied Physics	:	Kakatiya University, Warangal	2010 – 2018
21	Member, BoS in Physics (PG)	:	Kakatiya University, Warangal	2013 – 2015
22	Member, BoS in Physics & Electronics	:	Chaitanya Degree & PG College (Autonomous), Hnk	2007 – 2011
23	Principal	:	University P.G. College (KU), Godavarikhani	08/8/2008-18/8/2009

. ***Cont'd….***

24	Joint Director, Hostels	:	University P.G. College (KU), Godavarikhani	1998 – 2001 & 2007 – 2008
25	Program Officer, NSS	:	University P.G. College (KU), Godavarikhani	2004- 2007
26	Coordinator, Student Welfare & Placement Cell	:	University P.G. College (KU), Godavarikhani	2004 – 2005
27	Member, College Planning & Development Council	:	Govt. Degree College, Godavarikhani	2008 – 2009
28	Member, Governing Body	:	Kendriya Vidyalaya, NTPC, Ramagundam, Karimnagar	2008 - 2009

Annexure – II
(Peer Reviewer for the Research Journals)

S. No.	Name of the Publisher	Name of the Journal
1	ACS	1. ACS Omega 2. Langmuir
2	Elsevier	1. Spectrochimica Acta A 2. J. Molecular Structure 3. Computational Biology and Chemistry 4. J. Non-crystalline Solids 5. Heliyon 6. Results in Chemistry 7. Food Chemistry 8. J. of Indian Chemical Society 9. J. Molecular Liquids
3	RSC	1. Physical Chemistry Chemical Physics 2. RSC Advances 3. New J. of Chemistry 4. Royal Society Open Science
4	Taylor & Francis	1. Molecular Physics 2. Polycyclic Aromatic Compounds 3. Analytical Chemistry Letters 4. Molecular Simulation 5. Journal of Biomolecular Structure & Dynamics 6. Molecular Crystals & Liquid Crystals 7. Phase Transitions 8. Journal of Dispersion Science and Technology
5	Springer	1 . Journal of Fluorescence 2 . SN Applied Sciences 3 . J. Molecular Modeling 4 . Scientific Reports 5 . Optical & Quantum Electronics
6	Wiley	1. J. Molecular Recognition 2. Chemistry Select 3. International J. of Quantum Chemsitry 4. Vietnam Journal of Chemistry

7	Other Publishers	1. Vietnam J of Science, Technology and Engg (**Ministry of Science & Tech, Vietnam)** 2. Canadian J. Chemistry **(Canadian Science Publishing)** 3. Journal of Chemistry **(Hindawi)** 4. Indian J. Pure & Applied physics **(CSIR, NISCAIR)** 5. Solid State Physics Symposium Proceedings **(DAE)** 6. Pure and Applied Chemistry **(IUPAC)**

Annexure - III
Research Publications (Descending Order)
No. of Citations : 740; i10 index: 27; h-index: 15

Year	S.No.	Title & Authors (*Corresponding Author)	Journal details	Impact Factor
2024	62	A New epoxy steroid isolated and characterized from Bufo melanostictus venom with potential IL-6 along with TNF-α inhibition and spectroscopic study for structure and vibrational properties using DFT *B. Naresh, N. Prasad*, J. Prashanth,* ***B. Venkatram Reddy***	J. of Molecular Structure, xxx (xxxx) 138081 https://doi.org/10.1016/j.molstruc.2024.138081 **(Elsevier)**	4.0
2024	61	Monohalogenated methyl- and methoxy-benzoic acids: A combined experimental and quantum chemical theoretical study on their structure, vibrational analysis and molecular parameters *Sreenivas Boda, L. Ravindranath, K. Srishailam, G. Ramesh, Jai Kishan Ojha,* ***B. Venkatram Reddy****	J. of Molecular Structure, 1298 (2024) 137078 doi.org/10.1016/j.molstruc.2023.137078 **(Elsevier)**	4.0
2023	60	Structure, Frontier Molecular Orbitals, MEP, Charge Analysis, and NLO Study of 2,4-, 2,5-, and 2,6-Dimethylanilines Using DFT *Jai KIshan Ojha, G. Ramesh, B. Sreenivas,* ***B.Venkatram Reddy****	Polycyclic Aromatic Compounds doi.org/10.1080/10406638.2023.2261591 **(Taylor & Francis)**	2.4
2023	59	Insights into synthesis, structural, energetic, vibrational, anticancer activity and molecular characteristics of 2-((2-aminopyridin-3-yl)methylene)-N-phenylhydrazine-carbothioamide as evaluated using spectroscopic and DFT investigations *K. Ramaiah, K.Srishailam*,* ***B. Venkatram Reddy,*** *G. Ramana Rao*	J. of Molecular Structure 1295 (2023) 136339 doi.org/10.1016/j.molstruc.2023.136339 **(Elsevier Publishers)**	4.0
2023	58	Structure, chemical reactivity, NBO, MEP analysis and thermodynamic parameters of pentamethyl benzene using DFT study *Jai Kishan Ojha , G. Ramesh,* ***B. Venkatram Reddy****	Chemical Physics Impact 7 (2023) 100280 doi.org/10.1016/j.chphi.2023.100280 **(Elsevier Publishers)**	3.8

2023	57	Insights into structural and vibrational characteristics of 1-methoxy-4- [2-(phenylsulfonyl)vinyl]benzene: an application of experimental vibrational spectroscopy and density functional theory *K. Srishailam*, A. Balakrishna, **B. Venkatram Reddy**, G. Ramana Rao*	J. of Molecular Structure 1286 (2023) 135572 doi.org/10.1016/j.molstruc.2023.135572 **(Elsevier Publishers)**	4.0
2023	56	Investigation of barrier potential, Structure (monomer &dimer), chemical reactivity, NLO, MEP and NPA analysis of pyrrole-2-carboxaldehyde using quantum chemical calculations *G. Ramesh, **B. Venkatram Reddy***	Polycyclic Aromatic Compounds doi: 10.1080/10406638.2022.2086889 (**Taylor & Francis)**	2.4
2023	55	Barrier potential, Structure (monomer & dimer), Inter- & Intra- molecular interactions, Vibrational analysis, Fukui functions, MESP, NBO, UV and NMR analysis of pyridine-3-carboxylic acid using Spectroscopic and DFT approach *G. Ramesh and **B. Venkatram Reddy****	Polycyclic Aromatic Compounds doi.org/10.1080/10406638.2022.2 046614 (**Taylor & Francis)**	2.4
2023	54	Molecular characteristics of 1-benzhydrylazetidin-3-ol by time dependent density functional theory analysis *L. Ravindranath*, P. Venkata Ramana Rao, K. Srishailam,**B. Venkatram Reddy***	Materials Today: Proceedings doi.org/10.1016/j.matpr.2023.05.003 **(Elsevier)**	1.46
2023	53	Pyridinecarboxaldehydes: Structures, Vibrational Assignments and Molecular Characteristics Using Experimental and Theoretical Methods *G. Ramesh, P. Venkata Ramana Rao, K. Srishailam, **B. Venkatram Reddy****	Brazilian Journal of Physics 53(45) (2023) **DOI :** 10.1007/s13538-023-01255-3 **(Springer)**	1.5
2023	52	Quantum chemical study for structure, electronic and NLO properties of 2-amino-4-nitrotoulene and 2-amino-5-nitrotoulene *Jai Kishan Ojha, G. Ramesh, **B. Venkatram Reddy****	Asian J. of Chemistry 35(5) (2023) doi.org/10.14233/ajchem.2023.27740 **(Asian Publication Corp.**)	0.535
2022	51	Theoretical and experimental study of torsional potential scans, molecular structure, vibrational properties and molecular characteristics of some 4-phenylphenols *L. Ravindranath, K. Srishailam, **B. Venkatram Reddy****	Polycyclic Aromatic Compounds doi.org/10.1080/10406638.2022.2161584 (**Taylor & Francis)**	2.4
2022	50	Silane moiety-bearing borasilsesquioxanes – synthetic protocol and unsuspected redistribution reactions *Miłosz Frydrych; Bogna Sztorch*; Dariusz Brząkalski; Daria Pakuła; Robert E. Przekop; Kanugula Srishailam; **B. Venkatram Reddy**; Bogdan Marciniec*	ChemPlusChem doi.org/10.1002/cplu.202200295 **(Wiley)**	3.21
2022	49	Electronic spectra (Experimental and Simulated), and DFT investigation of NLO, FMO, NBO and MESP characteristics of some biphenylcarboxaldehydes *K.Srishailam, L. Ravindranath, **B. Venkatram Reddy***, G.Ramana Rao*	Polycyclic Aromatic Compounds doi.org/10.1080/10406638.2022.2130376 (**Taylor & Francis)**	2.4

2022	48	DFT simulation of barrier heights, infrared and Raman spectra, and investigation of vibrational characteristics of 2-((2-aminopyridin-3- yl)methylene) hydrazinecarbo-thioamide and its N-methyl variant *K. Srishailam, K. Ramaiah, K. Laxma Reddy,* ***B. Venkatram Reddy****,G. Ramana Rao*	Molecular Simulation doi: 10.1080/08927022.2019.1634807 **(Taylor & Francis)**	2.178
2022	47	Experimental and density functional theory study on structure, vibrational and molecular characteristics of 2-chloro-5- methylpyrimidine and 2,4-dichloro-5-methylpyrimidine *B. Sreenivas, L. Ravindranath, K. Srishailam,* *Jai Kishan Ojha and* ***B. Venkatram Reddy****	Molecular Simulation doi.org/10.1080/08927022.2022.2060967 (**Taylor & Francis)**	2.178
2022	46	Synthesis, DFT computations, molecular docking studies and anticancer activity of 2-(4-fluorophenyl)-3-(5-methylisoxazol-3-yl)thiazolidin-4-one *G.Ramesh, B.Rathnakar, Ch.Narsaiah, N.Rameshwar, M.Srinivas, V.Namratha, G.Durgaiah, Y.Narsimha Reddy,* ***B.Venkatram Reddy****,M. Satyanarayana*	Chemical Data Collections 39 (2022) 100859 **(Elsevier Publishers)**	3.10
2021	45	Synthesis, single-crystal X-ray diffraction, NLO and DFT studies of centrosymmetric 4-amino-3,5-dimethyl-1*H*-pyrazolium citrate monohydrate salt *B. Radhika, J. Prashanth, Srinivas Basavoju, S. Jyothi,* ***B. Venkatram Reddy****	Molecular Physics doi.org/10.1080/00268976.2021.2 022797 (**Taylor & Francis)**	1.6
2021	44	Theoretical (DFT) and experimental (FT-IR & FT Raman) approach to investigate the molecular geometry and vibrational properties of 2,5- and 2,6-dihydroxytoluenes *P. Venkata Ramana Rao, K. Srishailam*[b]*,* ***B. Venkatram Reddy****, G. Ramana Rao*[b]	J. of Molecular Structure 1240 (2021) 130617 **(Elsevier Publishers)**	4.0
2021	43	Synthesis, evaluation of molecular structure from torsional scans, study of vibrational and molecular characteristics using spectroscopic and DFT methods of some thiosemicarbazones and investigation of their anticancer activity *K. Srishailam, K. Ramaiah, K. Laxma Reddy,* ***B. Venkatram Reddy****, G. Ramana Rao*	Chemical Papers, 75(7) (2021) 3635-3647 doi.org/10.1007/s11696-021-01595-x **(Springer)**	2.146
2021	42	Synthesis, antimicrobial activity and DFT studies of 4,5-dihydro-9- methoxy-4-(5-methylisoxazol-3-yl)benzo[f][1,4]oxazepin-3(2H)-one *G. Ramesh , K. Ramu, M. Srinivas, R. Haripriya,* ***B. Venkatram Reddy****	Materials Today: Proceedings doi.org/10.1016/j.matpr.2021.08.219 **(Elsevier Publishers)**	1.46
2020	41	Synthesis of Sr1-xBaxBi2B2O7 glass ceramics: A study for structure and characterization using experimental techniques and DFT method *G. Padmaja, G. Devarajulu, B. Deva Prasad Raju,* *G.R. Turpu,K. Srishailam,* ***B. Venkatram Reddy****,* *G. Pavan Kumar*	J. of Molecular Structure 1220 (2020) 128660 doi.org/10.1016/j.molstruc.2020.128660 **(Elsevier Publishers)**	4.0

2020	40	NMR & Electronic Spectra, NLO, FMO, NBO and Thermodynamic Properties of Pentachlorophenol: An Experimental and Theoretical Investigation *P. V. Ramana Rao, K. Srishailam, G. Ramesh, B. **Venkatram Reddy***,G. Ramana Rao*	Asian J. of Chemistry 32(12) (2020) 3057-3062 **(Asian Publication Corp.**)	0.535
2020	39	Theoretical and experimental study of torsional potentials, molecular structure (monomer and dimer), vibrational analysis and molecular characteristics of some dimethyl bipyridines *L. Ravindranath, **B. Venkatram Reddy****	J. of Molecular Structure doi.org/10.1016/j.molstruc.2019.127089 1200 (2020) 127089 **(Elsevier Publishers)**	4.0
2019	38	Barrier potentials, molecular structure, force filed calculations and quantum chemical studies of some bipyridine di-carboxylic acids using the experimental and theoretical using (DFT, IVP) approach *Jyothi Prashanth, Ramaiah Konakanchi,* ***B.Venkatram Reddy****	Molecular Simulation doi.org/10.1080/08927022.2019.1634807 **(Taylor & Francis)**	2.178
2019	37	Investigation of torsional potentials, hindered rotation, molecular structure and vibrational properties of some biphenyl-carboxaldehydes using spectroscopic techniques and density functional formalism *K. Srishailam, **B. Venkatram Reddy*,** G. Ramana Rao*	J. of Molecular Structure 1196 (2019) 139-161 **(Elsevier Publishers)**	4.0
2019	36	Synthesis, crystal and molecular structure, and characterization of 2- ((2-aminopyridin-3-yl) methylene)-N-ethylhydrazinecarbothioamide using spectroscopic (^{1}H and ^{13}C NMR, FT-IR, FT-Raman, UVeVis) and DFT methods and evaluation of its anticancer activity *K. Ramaiah, K. Srishailam, K. Laxma Reddy,* ***B. Venkatram Reddy*,** G. Ramana Rao*	J. of Molecular Structure 1184 (2019) 405-417 **(Elsevier Publishers)**	4.0
2019	35	Structural and vibrational properties of pentabromo-phenol and pentafluorophenol: A spectroscopic investigation using density functional theory *P. Venkata Ramana Rao,K. Srishailam, L. Ravindranath,* ***B. Venkatram Reddy*,** G. Ramana Rao*	J. of Molecular Structure 1180 (2019) 665-675 **(Elsevier Publishers)**	4.0
2019	34	Experimental and theoretical determination of structural and vibrational properties of pentachlorophenol and pentachlorothiophenol *K. Srishailam, P. Venkata Ramana Rao, L. Ravindranath,* ***B. Venkatram Reddy*,** G. Ramana Rao*	J. of Molecular Structure 1178 (2019) 142-154 **(Elsevier Publishers)**	4.0
2019	33	Synthesis, spectroscopic, and DFT quantum chemical studies of 3- and 4-pyridyl-acetonitriles *P. Rajender Reddy, J. Prashanth, B. Prasanna,* ***B. Venkatram Reddy****	J. of Molecular Structure 1176 (2019) 447-460 **(Elsevier Publishers)**	4.0

2019	32	Vibrational spectroscopic (FT-IR, FT-Raman), anti-inflammatory, docking and molecular characteristic studies of Ni(II) complex of 2-aminonicotinaldehyde using theoretical and experimental methods *K. Ramaiah, J. Prashanth, J. Haribabu, E. Srikanth,* ***B. Venkatram Reddy*,*** *R. Karvembu, K. Laxma Reddy*	J. of Molecular Structure 1175 (2019) 769-781 **(Elsevier Publishers)**	4.0
2018	31	Synthesis, Structural, Biological Evaluation, Molecular Docking and DFT Studies of Co(II), Ni(II), Cu(II), Zn(II), Cd(II) and Hg(II) Complexes bearing Heterocyclic Thiosemicarbazone ligand *Ramaiah K, J. Haribabu, J. Prashanth, V. B. Nishtala, Ramachary M, Saikumar M, Durgaiah G, Ramasamy K,* ***B. Venkatram Reddy****, Narsimha Reddy Y, Laxma Reddy K**	Appl Organometal Chem. 2018; e4415 **(Wiley)** https://doi.org/10.1002/aoc.4415	4.072
2018	30	Spectroscopic investigation on structure (monomer and dimer), molecular characteristics and comparative study on vibrational analysis of picolinic and isonicotinic acids using experimental and theoretical (DFT & IVP) methods *G. Ramesh,* ***B. Venkatram Reddy****	J. of Molecular Structure 1160 (2018) 271-292 **(Elsevier Publishers)**	4.0
2018	29	Study on structure, vibrational analysis and molecular characteristics of some halogen substituted azido-phenylethanones using FTIR spectra and DFT *J. Prashanth,* ***B. Venkatram Reddy****	J. of Molecular Structure 1155 (2018) 582-597 **(Elsevier Publishers)**	4.0
2018	28	Molecular structure, vibrational analysis, hyperpolarizability and NBO analysis of 3-methyl-picolinic acid using SQM calculations *G. Ramesh, J. Prashanth, J. Laxman Naik,* ***B. Venkatram Reddy****	J. of Structural Chemistry Vol. 59, No.5 (2018) 1022-1031 **(Springer Publishers)**	1.23
2018	27	Molecular structure and vibrational analysis of 2,5-pyridinedicarboxylic acid using experimental and theoretical methods *J. Laxman Naik and* ***B. Venkatram Reddy****	Materials Science and Engineering **360** (2018) 012028 **(IOP Conf. Series)**	0.51
2017	26	Synthesis, structural, spectroscopic, anti-cancer and molecular docking studies on novel 2-[(Anthracene-9-ylmethylene)amino]-2- methylpropane-1,3-diol using XRD, FTIR, NMR, UV-Vis spectra and DFT *P. Pavitha, J. Prashanth, G. Ramu, G. Ramesh, K.Mamatha,* ***B. Venkatram Reddy****	J. of Molecular Structure 1147 (2017) 406-426 **(Elsevier Publishers)**	4.0
2016	25	Investigation of torsional potentials, molecular structure, vibrational properties, molecular characteristics and NBO analysis of some bipyridines using experimental and theoretical tools *J. Prashanth,* ***B. Venkatram Reddy*,*** *G. Ramana Rao*	J. of Molecular Structure 1117 (2016) 79-104 **(Elsevier Publishers)**	4.0

2016	24	Molecular geometry, NBO analysis, Hyperpolarizability and HOMO-LUMO energies of 2-azido-1-phenylethanone using Quantum chemical calculations *J. Prashanth, G. Ramesh, J. Laxman Naik, Jai Kishan Ojha,* ***B. Venkatram Reddy****	Materials Today: Proceedings 3 (2016) 3761–3769 **(Elsevier Publishers)**	1.46
2016	23	Experimental and theoretical study of 3-methyl-4-nitrobenzoic acid using DFT and IVP methods *J. Prashanth, Jai Kishan Ojha,* ***B. Venkatram Reddy*,*** *G. Ramana Rao.*	Journal of Physics: Conference Series 759 (2016) 012057, pp 1-8. **IOP Science Publishers**	0.599
2015	22	Experimental (FTIR and FT-Raman) and theoretical investigation of some pyridine-dicarboxylic acids *J. Laxman Naik,* ***B. Venkatram Reddy**,*** *N. Prabavathi.*	J. of Molecular Structure 1100 (2015) 43-58 **(Elsevier Publishers)**	4.0
2015	21	Molecular Structure, vibrational spectra, natural bond orbital and thermo dynamic analysis of 3,6-dichloro-4-methylpyridazine and 3,6- dichloropyridazine-4-carboxylic acid by dft approach. *N. Prabavathi****, N. Senthil Nayaki,*** ***B. Venkatram Reddy***	Spectrochim. Acta A, 136 (2015) 1134-1148 **(Elsevier Publishers)**	4.3
2015	20	Molecular structure, vibrational analysis and first order hyperpolarizability of 4-methyl-3-nitrobenzoic acid using density functional theory *J. Prashanth, G. Ramesh, J. Laxman Naik, Jai Kishan Ojha,****B. Venkatram Reddy*,*** *G.Ramana Rao*	Optics and Photonics Journal 5 (2015) 91-107 **(Scientific Research Publishers, USA)**	0.76
2015	19	Molecular structure and vibrational analysis of 2,6-pyridine- dicarboxylic acid using experimental and theoretical methods *J. Laxman Naik, G. Ramesh and* ***B. Venkatram Reddy****	**ICSEMF-2015 (e-book) 331-335**	--
2015	18	Vibrational analysis and Transferability of Force constants of 3-methyl pyridine-2-carboxylic acid using DFT and IVP methods *J. Laxman Naik, J. Prashanth and* ***B. Venkatram Reddy****	**ICSEMF-2015 (e-book) 336-339**	--
2015	17	Spectroscopic study of 2-azido-1-phenylethanone using density functional theory (DFT) *J. Prashanth,* ***B. Venkatram Reddy*,*** *G. Ramana Rao*	**ICSEMF-2015 (e-book) 340-343**	--
2013	16	Transferable valence force fields: the case of out-of-plane vibrations of some trimethoxybenzenes. *J. Laxman Naik,* ***B. Venkatram Reddy*,*** *G. Ramana Rao*	Conference Proceedings of AMST-2012, 416-422 (2013), **Lap LAMBERT Academic Publishers**	--
2012	15	Vibrational analysis and Valence force field for nitrotoluenes, dimethylanilines and some substituted methylbenzenes. *Jai Kishan Ojha,* ***B. Venkatram Reddy****, G. Ramana Rao****	Spectrochim. Acta A, 96 (2012) 632-643, **(Elsevier Publishers).**	4.3
2011	14	Vibrational analysis of some substituted methylbenzenes. Part II: Transferability of force constants - the case of tetra-, trimethyl- benzenes and nitroparatoluidine *Jai Kishan Ojha,* ***B. Venkatram Reddy****, G. Ramana Rao**	AIP Conference Proceedings of International Conference: Optics-2011; 1391 (2011) 472 **(AIP Publishers, USA)**	--

2008	13	Vibrational spectra and modified valence force field of N,N'-methylene- bisacrylamide. ***B. Venkatram Reddy,*** *G. Ramana Rao**	Ind. J. of Pure & App. Phys. 46 (2008) 611 **(NISCAIR, CSIR, New Delhi)**	0.82
2007	12	Normal coordinate analysis of some di- and trimethoxy nitrobenzenes. ***B. Venkatram Reddy****, G. Ramana Rao**	Acta Ciencia Indica, Vol.33, No.1 (2007) 27 **(Pragathi Prakashan, Meerut)**	--
2007	11	Transferable valence force fields: the case of out-of-plane vibrations of dimethoxybenzenes. ***B. Venkatram Reddy,*** *G. Ramana Rao**	Asian J. of Physics Vol.16, No.1 (2007) 29 **(Anitha Publications, Ghaziabad).**	--
2006	10	Normal coordinate analysis of some fluorotoluenes. *Jai Kishan Ojha,* ***B. Venkatram Reddy****, G. Ramana Rao**	Acta Ciencia Indica, Vol.32, No.4 (2006) 509 **(Pragathi Prakashan, Meerut)**	--
2004	9	Vibrational analysis of mononitro substituted benzamides, benzaldehyde and toluenes: Part I – Vibrational spectra, normal coordinate analysis and transferability of force constants of nitrobenzamides, nitrobenzaldehydes and nitrotoluenes. *Md. Qayyum,* ***B. Venkatram Reddy****, G. Ramana Rao **	Spectrochim. Acta A, 60 (2004) 279 **(Elsevier Publishers)**	4.3
2004	8	Vibrational analysis of mononitro substituted benzamides, benzaldehyde and toluenes: Part II – Transferability of valence force constants. *Md. Qayyum,* ***B. Venkatram Reddy****, G. Ramana Rao **	Spectrochim. Acta A, 60 (2004) 291 **(Elsevier Publishers).**	4.3
2002	7	Normal coordinate treatment of some pyridines. ***B. Venkatram Reddy,*** *G. Ramana Rao **	Indian J. of Physics 76B (4) (2002) 473 **(Springer Publishers)**	1.947
1996	6	Vibrational analysis of substituted anisoles: Part III – Normal coordinate analysis of 2,6-di- and penta-chloro anisoles. ***B. Venkatram Reddy,*** *A. Pavan Kumar, G. Ramana Rao**	Asian J. of Physics 5 (1996) 193 **(Anitha Publications, Ghaziabad).**	--
1994	5	Transferable valence force fields for substituted benzenes: Part I – Monohalogenated anisoles. ***B. Venkatram Reddy,*** *G. Ramana Rao **	Vibrational Spectroscopy 6 (1994) 231 **(Elsevier Publishers)**	3.80
1994	4	Transferable valence force fields for substituted benzenes: Part II – Di- and Tri-methoxy benzenes. ***B. Venkatram Reddy,*** *G. Ramana Rao**	Vibrational Spectroscopy 6 (1994) 251 **(Elsevier Publishers)**	3.80
1994	3	Transferable valence force fields for substituted benzenes Part III – Tri-substituted benzenes. ***B. Venkatram Reddy,*** *G. Ramana Rao* *****	Vibrational Spectroscopy 6 (1994) 259 **(Elsevier Publishers).**	3.80
1992	2	Vibrational analysis of substituted anilines, anisoles and anisidines: Part III – Further evidence for the transferability of valence force constants. ***B. Venkatram Reddy,*** *D. Vijaya Kumar, G. Ramana Rao**	Vibrational Spectroscopy 4 (1992) 67 **(Elsevier Publishers).**	3.80

1992	1	Normal Coordinate Analysis of out-of-plane vibrations of some fluoro- and chloro substituted anisoles. ***B. Venkatram Reddy**, B. Laxmaiah, G. Ramana Rao**	Indian J. Pure & App. Phys. 30 (1992) 351 **(NISCAIR, CSIR, New Delhi).**	0.82

Book Publications

Year	S. No.	Title	Book Publishers
2018	1	Basic Electronics (Editor)	Telugu Akademi, Hyderabad
2020	2	Physics of Semiconductor Devices (Author & Editor)	Telugu Akademi, Hyderabad
2022	3	Basic Instrumentation (Author & Editor)	Telugu Akademi, Hyderabad

A N N E X U R E – IV

List of Invited Talks / Popular Lectures/ Chaired Sessions , etc given:

33. Invited Talk on "*DFT – A Quantitative technique to study the structure and optical properties of materials*" at **National Seminar on Materials Characterization Techniques (NSMCT 2024)** during 6-7 March 2024 organized by Department of Physics, Acharya Nagarjuna University, Gunturu, AP.
32. Invited Talk on "*Quantitative analysis – A study on structure and molecular characteristics of pyridine-carboxylic acids and pyridine-carboxaldehydes***"** at **3rd International Conference on Light Applications in Science and Engineering Research (LASER – 2023)** during **14-16 Sept., 2023** organized by Dept. of Physics, Periyar University, Salem, TN.
31. Invited Talk on "*Synthesis and spectroscopic study for structure, molecular characteristics and anticancer activity of some thiosemicarbazones using DFT method*" at **National Conference on Science for Materials and its Advancements in Recent Trends (NCSMART - 2023)** *on* **24th Feb., 2023** organized by Dept. of Physics, Periyar University Centre for Post-Graduate and Research Studies, Dharmapuri, Tamilnadu.
30. Chaired the Session at **National Conference on Science for Materials and its Advancements in Recent Trends (NCSMART - 2023)** *on* **24th Feb., 2023** organized by Dept. of Physics, Periyar University Centre for Post-Graduate and Research Studies, Dharmapuri, Tamilnadu.
29. Invited Talk on "*Operational Amplifiers: Characteristics and Applications*" at **Refresher Course in Physics** on **8th Feb., 2023** organized by UGC-HRDC, Sri Venkateshwara University, Tirupathi.
28. Keynote Address on "*Spectroscopic and DFT study on structure and molecular characteristics of some substituted pyridines and bipyridines*" at **National Seminar on Physics of Innovative Materials and Spectroscopy (NSPIMS-2022)** on **22nd Sept., 2022** organized by Dept. of Physics, Dr. B. R. Ambedkar Govt. College, Chennai.
27. Chaired the Session at **National Seminar on Physics of Innovative Materials and Spectroscopy (NSPIMS- 2022)** on **22nd Sept., 2022** organized by Dept. of Physics, Dr. B. R. Ambedkar Govt. College, Chennai.
26. Invited Talk on "*Experimental and DFT study on structure, vibrational and molecular characteristics of 2-chloro-5- and 2,4-dichloro-5-methylpyrimidine*" at **International Conference on Crystal Growth and Spectroscopy (ICCGS-2022)** during **29-31 August 2022** organized by Department of Physics, St. Joseph's College (Autonomous), Tiruchirapalli, Tamilnadu
25. Invited Lecture on "*Raman Spectroscopy, Instrumentation and Applications"* at **Three Week Industrial Training Program to Polytechnic Chemistry Lecturers** during **6-25 June 2022,** organized by Department of Chemistry, Kakatiya University, Warangal.
24. Invited Talk on "*Experimental and theoretical study of molecular structure and vibrational characteristics of some 4-phenyl phenols***" at National Virtual Conference on Recent Advances in Material Science (NVCRAMS- 2021)** on **8th Oct., 2021** organized by St. Peter Institute of Education & Research, Chennai.

23. Invited Talk on "*Synthesis, molecular structure from torsional scans, study of vibrational and molecular characteristics using spectroscopic and DFT methods of some thiosemicarbazones and investigation of their anticancer activity"* **at International Conference on Physics of Emerging Materials and Molecules (ICPEMM-2021)"** during **4-5 March 2021** organized by Sri Vidya Mandir Arts & Science College (Autonomous), Uthangarai, TN.

22. Keynote Address on *"Importance of Physics & Success stories of Great Physicists"* at **Three day Webinar on Knowledge Prism during 29-31 December 2020** organized by TTWRCDC, Jangaon, TS.

21. Invited Talk on *"Importance of Physics in Engineering Physics"* at **Induction Program for Engineering Students on 16th & 17th Dec., 2020** organized by KU College for Engineering & Technology for Women, KU Campus, Warangal – 506009.

20. Invited Talk on "*Semiconductor Devices and Logic Circuits"*at **One Day State level Workshop on Low Cost Models with Simulations in Undergraduate Physics Practicals on** 7th Mar., 2020 organized by Department of Physics, Govt. Degree College (Autonomous), Siddipet, TS.

19. Keynote address on *"Nano Science and Photonics"* at **Webinar on Fundamentals of Photonics and Nano Science for UG students on 23rd July, 2020** organized by Govt. degree College, Luxettipet, Mancherial, TS.

18. Invited Talk on "*National Education Policy: Design of Physics component by UGC and TSCHE – A review"* at **One Day State level Workshop on Redesigning UG Physics Syllabus under Revised CBCS Curriculum** 8th Feb., 2020 at Dept. of Physics, Govt. Degree College, Kamareddy, TS

17. Invited Talk on "*Spectroscopic study for structure, vibrational analysis and characteristics of some dimethyl- bipyridines and biphenyl-carboxaldehydes using experimental and theoretical methods"* at **International Conference on Physics of Advanced Materials and Molecules (ICPAMM)** during **30-31 January 2020** at Dr. Ambedkar Govt. College, Chennai, India.

16. Invited Talk on "*Spectroscopic study for structure, vibrational analysis and characteristics of some biomolecules using experimental and theoretical methods"* at **Two-day National Workshop on Physics of Materials and Molecules** during **15-16 March 2019** organized by Department of Physics, Kakatiya University, Warangal.

15. Invited talk on *'Raman Scattering and Applications'* at **IAPT sponsored One-day workshop on Physics for Creativity and Innovation - 2019 (PCI-19)** on **2nd March 2019** organized by Dept. of Physics, SRR Govt. Arts & Science College, Karimnagar

14. Invited Talk on *'Characteristics and Applications of Operational amplifiers'* at **One-day workshop on Emerging Trends in Electronics and Instrumentation** on **22nd Feb., 2019** organized by Dept. of Electronics, Acharya Nagarjuna University, Guntur

13. Invited Talk on *'Cathode Ray Oscilloscope and Applications'* **at IAPT One-day Workshop on Physics Practicals on 9th April, 2018**, organized by Kakatiya Government Degree College, Hanamkonda, Warangal.

12. Invited talk on *'Operational Amplifiers, Characteristics and Applications'* on **27th March, 2018** at Department of Physics, South Campus, Telangana University, Nizamabad

11. Chaired the Lecture Sessions at **"Science Academies' Two-week Refresher Course in Experimental Physics"** during **6-21 December 2016** organized by Dept. of Physics, KU, Wgl.

10. Invited Talk on '*CBCS - Quality Enhancement and Sustenance'* at "**State level One day Orientation Programme on CBCS"** on **21st Sept., 2016 organized by** Govt. Pingle College for Women, Waddepalli, Warangal.

9. Invited Talk on '*Success Stories of Great Scientists'* at **"INSPIRE 2015"** on **24th Jan., 2016**, Kakatiya Government Degree College, Hanamkonda.

8. Invited Talk on '*Semiconductor Devices & Logic Circuits' at* **"Refresher Course in Physics for Junior Lecturers"** on 9th Dec., 2015, Govt. Junior College, Hanamkonda.

7. Invited Talk on '*Reforms in Examination System for Transparency, Accountability and Accuracy'* at **"Two Day National Seminar on Issues and Challenges of Higher Education in Newly Formed States"** on **27th Feb., 2015** at Dept. of Economics, Mahathma Gandhi University, Nalgonda.

6. Chaired the Session at **"Two Day National Seminar on Issues and Challenges of Higher Education in Newly Formed States"** on 27th Feb., 2015 at Dept. of Economics, Mahathma Gandhi University, Nalgonda.

5. Invited Talk on *'Renewable Energy Resources'* at **"One day National Conference on Emerging Areas of Research in Renewable Energy Resources and Electronics in India"** on **21st Feb., 2015** organized by Dept. of Physics, Mahathma Gandhi University, Nalgonda.

4. Invited Talk on *'Alternate Energy Resources'* at **"INSPIRE 2014"** on **4th Nov., 2014**, Kakatiya Government Degree College, Hanamkonda.

3. Invited Talk on '**Physics Practicals for UG Teachers'** on **Dec., 2010 organized by** Dept. of Physics, Univ. Arts & Science College, Warangal.

2. Invited Talk on *'Mechanics of rigid bodies'* at **"Refresher course for UG Physics Teachers"** on **22nd Oct., 2010** organized by Dept. of Physics, Kakatiya University, Warangal.

1. Invited Talk on *'Communication Systems'* at **"Refresher course for Junior Lecturers" on 16th Oct at** Bala Vikasa, Fathima Nagar, Kazipet, Warangal.

A N N E X U R E – V

Work-shops, Conferences, etc organized

1. Coordinator, "**Two-day National Workshop on Physics of Materials and Molecules**" during 15-16 March, 2019 at Department of Physics, Kakatiya University, Warangal.
2. Coordinator, UGC-DAE CSR Two-day '**Awareness Workshop on Diffraction and other Characterization Techniques in Material Science'** during 12-13 April, 2017 at Department of Physics, KU, Warangal.
3. Convener, **MIST-2009**, a 3 day Workshop on Management, Informatics, Science and Technology at Univ. P. G. College, Godavarikhani held during March 4 – 6, 2009.
4. Convener, **Commerce Meet-2008** held on 15th Nov., 2008 at Univ. P. G. College, Godavarikhani.

A N N E X U R E – VI

List of Work-shops / Recharge / Training Programmes, etc attended

22. Mentors Orientation Training Programme (Mentoring of Faculty of UGC) during ***1-10 Feb., 2021 organized by National Institute of Technical Teachers Training and Research, UGC, Govt. of India, Chennai***
21. One Day State level Workshop on Redesigning UG Physics Syllabus under Revised CBCS Curriculum on 9th Feb., 2020 at Department of Physics, Govt. Degree College, Kamareddy, TS
20. UGC-DAE CSR Two-day Awareness Workshop on Diffraction and other Characterization Techniques in Material Science during ***12-13 April, 2017 at Department of Physics, Kakatiya University, Warangal.***
19 Faculty Development Program (FDP) on "Signals, Systems and Transform techniques theory with MATLAB during 26-31 Dec., 2016 at E&ICT Academy, NIT, Warangal
18. Science Academie's 82nd Refresher Course on Experimental Physics during ***6-21 Dec., 2016 at Department of Physics, Kakatiya University, Warangal.***
17. State level One-day Orientation Programme on CBCS – Quality Enhancement and Sustenance on ***28th Sept., 2016 at Pingle Govt. College for Women, Warangal***
16. National Workshop on Advanced Analytical and Molecular Techniques during ***30th Nov - 1st Dec. 2015 at Advanced Analytical Lab, Andhra University, Vishakhapatnam***
15. One-day Workshop on SPSS 22 Application on ***5th July, 2014 at Dept. of Computer Science, Kakatiya University, Warangal***
14. Two week ISTE Work-shop on Signals and Systems, organized by IIT, Kharagpur through NMECIT,

MHRD, New Delhi during ***02-12 Jan., 2014 at SVS Group of Institutions, Hanamkonda, Warangal***

13. Winter School on Recent Trends in Physics of Atoms, Molecules and Lasers - 2011, Sponsored by UGC under Networking Program during ***9-31 Jan., 2011 at Dept. of Physics, Banaras Hindu University, Varanasi.***
12. One-week Workshop on Physics Practicals for Under Graduate Teachers during ***23-29 Dec., 2010 at Dept. of Physics, Univ. Arts & Science College (KU), Warangal***
11. Two-day Work-shop on Nanoscience & Nanotechnology during ***3rd & 4th Nov., 2010 at Dept. of Physics, Kakatiya University, Warangal.***
10. 67th Orientation Programme sponsored by UGC Academic Staff College during ***4-30 Oct, 2010 at Academic Staff College, Osmania University, Hyderabad.***
9. Training program on Microprocessors, Microcontrollers and Digital Communications during ***13-17 July, 2010 at Dept. of Physics, Kakatiya University, Warangal.***
8. Training program on Microprocessors, Microcontrollers and Digital Communications during ***22-26 Feb., 2010 at Dept. of Physics, Kakatiya University, Warangal.***
7. Workshop on Nuclear energy & Applications during ***21st & 22nd March, 2009 at National Institute of Technology, Warangal.***
6. National Work-shop on Recent Advances Trends in Physics during ***3-4 March, 2008 at Dept. of Physics, Kakatiya University, Warangal.***
5. National Workshop on Recent Advances in Physics during ***3rd & 4th Feb., 2006 at Dept. of Physics, Kakatiya University, Warangal.***
4. Workshop on Physics Practicals on ***3rd Sept., 2005 at Dept. of Physics, KU & Chaitanya Degree College, Hanamkonda***
3. Two-day seminar on Revised Common core Syllabus for UG Courses during ***5-6 August, 2005 at Dept. of Physics, CKM Arts & Science College, Warangal***
2. Workshop on Microprocessors and Applications during ***18-23 Jan., 1999 at Dept. of Physics, Kakatiya University., Warangal***
1. III SERC School in Atomic and Molecular Physics sponsored by DST, Govt. of India during ***11-30 Dec., 1995 at Centre for Advanced Technology (CAT), Indore.***

A N E X U R E – VII

List of International Conferences/Seminars, etc attended

1. 3rd International Conference on Light Applications in Science and Engineering Research (LASER – 2023); ***14-16 September 2023, Periyar University, Salem, TN.***
2. International Conference on Crystal Growth and Spectroscopy (ICCGS-2022); ***29-31 August 2022, St. Joseph's College (Autonomous), Tiruchirapalli, TN.***
3. International Conference on Physics of Emerging Materials and Molecules (ICPEMM-2021); ***4-5 March 2021, Sri Vidya Mandir Arts & Science College (Autonomous), Uthangarai, TN.***
4. International Conference on Physics of Advanced Materials and Molecules (ICPAMM); 30-31 Jan., 2020, Dr. Ambedkar Govt. College, Chennai, India
5. 27th Austin Symposium on Molecular structure and Dynamics @ Dallas (ASMD@D); ***3-5 March, 2018, Southern Methodist University, Dallas, Texas, USA.***
6. International Conference on Materials Research and Applications (ICMRA); ***11-13 March, 2016, CMR Technical Campus, Hyderabad.***
7. International Conference on Sceince and Engineering of Materials for Future Needs; ***21-22 Dec., 2015, S.R & B.G.N.R Asts & Science College, Khammam, TS, India***
8. XXVII IUPAP International Conference on Computational Physics (CCP- 2015); ***2-5 Dec., 2015, Indian Institute of Technology (IIT), Guwahati***

9. 5th International Conference on Perspectives in Vibrational Spectroscopy (ICOPVS-2014); ***8-12July, 2014, Dept. of Physics, Mar Ivanios College, Thrivandrum, Kerala***.

10. 66th OSU International Symposium on Molecular Spectroscopy; ***20-24 June, 2011, Ohio State University, Columbus, Ohio, USA.***

11. Optics'11, an International Conference on light; ***23-25 May, 2011, National Institute of Technology, Calicut, Kerala, India.***

12. International Symposium on Advances in Physics; ***25th Feb., 2006, Dept. of Physics, N A S College (CCS University), Meerut, UP, India***

13. International Conference on Perspectives in Vibrational Spectroscopy; 26-28 Feb.,2006 at Meerut University, Meerut.

14. International Conference on Spectroscopy: Perspectives & Frontiers; ***3-5 Jan., 1996 at BARC, Bombay.***

A N E X U R E – VIII

List of National Conferences/Seminars, etc attended

16. National Seminar on Materials Characterization Techniques (NSMCT 2024) during ***6-7 March 2024 organized by Department of Physics, Acharya Nagarjuna University, Gunturu, AP.***

15. National Conference on Science for Materials and its Advancements in Recent Trends (NCSMART-202**3)** during ***24-25 Feb., 2023 organized by Dept. of Physics, Periyar University Centre for Post-Graduate and Research Studies, Dharmapuri, Tamilnadu.***

14. National Conference on Recent Advances in Applied Nano Materials (RAANM – 2018); ***16-17 Feb., 2018, Dept. of Physics, University Science College (OU), Saifabad, Hyderabad.***

13. Two Day National Seminar on Issues and Challenges of Higher Education in Newly Formed States; ***26-27 Feb., 2015, Dept. of Economics, Mahathma Gandhi University, Nalgonda.***

12. A One Day National Conference on Emerging Areas of Research in Renewable Energy Resources and Electronics India, ***21st Feb., 2015, Dept. of Physics, Mahathma Gandhi University, Nalgonda***

11. Two-day National seminar on Recent Advances in Physics; ***6-7, Nov., 2014, Dept. of Physics, Kakatiya University, Warangal***

10. National Conference on Advanced Materials & Technologies; ***19-21 Nov., 2012, Kakatiya University, Warangal.***

9. Two Day National Seminar on Recent Trends in Solid State Physics; ***13-14 Feb., 2012, Kakatiya University, Warangal.***

8. National Conference on Current Trends in Condensed Matter Research; ***20-22Sept., 2004 at Univ. Arts & Science College, Warangal.***

7. National Seminar on Current Trends in Physics; ***12-13eb., 2004 at Dept. of Physics, Kakatiya University., Warangal.***

6. XIII National Conference on Atomic and Molecular Physics; ***16-20 Jan., 2001 at Indian Association for Cultivation of Sciences (IACS), Kolkata.***

5. National Conference on Recent Trends in Vibrational Spectroscopy; ***26-28 Feb., 1996 at Meerut College (Meerut Univ.), Meerut***

4. National Conference on Current Trends in Atomic and Molecular Physics; ***21-23ec., 1993 at Baba Atomic Research Centre (BARC), Bombay.***

3. IX National Conference on Atomic and Molecular Physics; ***14-18 Dec., 1992 at Baba Atomic Research Centre (BARC), Bombay.***

2. Symposium on Molecular Spectroscopy; ***9th & 10th May., 1992 at M.M. College (Meerut Univ.) Modinagar.***

1. National Seminar on Molecular Spectroscopy; ***15-17 March., 1991 at Banaras Hindu University, Varanasi.***