

1	Name of the Applicant	Dr. A.Suvitha	
2	Date of Birth & Gender (Age as on 41)	03/08/1982 (Female)	
3	Highest Qualified Degree	Ph.D. degree in Science, Mathematics and Engineering	
4	Designation	Associate Professor	
5	Name of the Department	Physics	
6	Name of the Institution and address	CMR INSTITUTE OF TECHNOLOGY Address : # 132, KUNDALAHALLI VILLAGE IT PARK ROAD , BENGALURU , Bangalore North , Bangalore - 560037	
7	Type of Institution as per instruction	Private Institution	
8	Teaching Experience (Years)	14.00	
9	Research Experience (Years)	14.00	
10	Ph.D Degree holder	Yes	
11	Subject area as per instruction (Please refer serial No.26 under Annexure-II)	Physics	
12	Subject category area	Theoretical	
13	Contact details of the Applicant	Residential Address	404 C Clock, Sai Paragon meadows, 4th main, BEML layout, Brooke field, Bangalore 560066
		E-mail	suvidanam@gmail.com
		Alternate Email ID	suvitha@cmrit.ac.in
		Cell No.	9632814332
		Landline Phone No	080 28524477
14	If, amount to be credited to your bank		
a)	Name of the Account holder	A.Suvitha	
b)	Name of the Bank	Bank of India	
c)	IFS Code	BKID0008434	
d)	A/c Number	843410310001057	
e)	The Branch Address	SRINIVASA TOWERS, 347, Park Rd, near DSR SpringBeauty, B Block, AECS Layout, Brookefield, Bengaluru, Karnataka 560037	
15	Details of VGST/ Other Grants		
a)	Received by Department in last 5 Years		
i)	Project Sanctioned to the Dept. from VGST in the last 5 years		
ii)	Project Sanctioned to the Dept. from Other Agencied in the last 5 years		
b)	Recieved by PI in last 5 years		
i)	Project Sanctioned to the PI from VGST in the last 5 years		
ii)	Project Sanctioned to the PI from Other Agencies in the last 5 years		

Attached documents

S No.	Document Type	Document Name	Document Description
1	Highest Qualified Degree Certificate	Dr.pdf	PHD Certificate

DETAILS OF RESEARCH PUBLICATIONS

1. Broad Areas of Research	Experimental and Computational Research
2. Focused Area of Research	Quantum Computation, Density functional Theory, Computer Aided Drug Design
3. Total No. of Publications	72
4. Details of at least three best Research Publications which are to be considered for this award. (Enclose SOFT copies : PDF) State the novelty in each publication in two sentence.	<p>1. Steephen, Ananth, Karuna Saini, A. Suvitha, P. Vivek, T. Arumanayagam, M. Rekha, and Bradha Madhavan. "Investigational, computational explorations on betanin, lycopene, cyanidin, and peonidin organic photo sensitizers for green energy harvesting." Sustainable Energy Technologies and Assessments 60 (2023): 103451. https://doi.org/10.1016/j.seta.2023.103451, *(Q1)</p> <p>2. Madhavan, B., Suvitha, A. and Steephen, A., 2022. Novel La1-xCaxTi1-yTaO3-d perovskites with enhanced conductivity for solid oxide fuel cell electrodes. Journal of Alloys and Compounds, 915, p.165370., Q1</p> <p>3. Mohammadi, M.D., Abdullah, H.Y., Qadir, K.W. and Suvitha, A., 2023. Theoretical investigation of intermolecular interactions between CNT, SiCNT and SiCGeNT nanomaterials with vinyl chloride molecule: A DFT, NBO, NCI, and QTAIM study. Diamond and Related Materials, 131, p.109602., Q1</p>
5. Publications/periodicals etc. wherein the research work has been referred. Please give citation index of the contribution, using google scholar data.	<p>1. Experimental, computational analysis of Butein and Lanceoletin for natural dye-sensitized solar cells and stabilizing efficiency by IoT M Bradha, N Balakrishnan, A Suvitha, T Arumanayagam, M Rekha, ... Environment, Development and Sustainability, 1-16, CITED BY 118</p> <p>2. 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 Suvitha, S Periandy Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 89, 137-148, CITED BY 97</p> <p>3. 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 Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 117, 216-224 CITED BY 75</p>

	<p>1. Molecular structure, vibrational spectra, NMR, UV, NBO, NLO, HOMO-LUMO and molecular docking of 2-(4, 6-dimethyl-1-benzofuran-3-yl) acetic acid (2DBAA): Experimental and , SM Hiremath, A Suvitha, NR Patil, CS Hiremath, SS Khemalapur, ... Journal of Molecular Structure 1171, 362-374 CITED BY 72</p> <p>2. Synthesis of 5-(5-methyl-benzofuran-3-ylmethyl)-3H-[1, 3, 4] oxadiazole-2-thione and investigation of its spectroscopic, reactivity, optoelectronic and drug likeness properties . SM Hiremath, A Suvitha, NR Patil, CS Hiremath, SS Khemalapur, ... Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 205, 95-110 CITED BY 53</p> <p>3. The adsorption of 1-chloro-1, 2, 2, 2-tetrafluoroethane onto the pristine, Al-, and Ga-doped boron nitride nanosheet MD Mohammadi, HY Abdullah, A Suvitha Iranian Journal of Science and Technology, Transactions A: Science CITED BY 37</p>
<p>6. Enclose a complete list of publications giving details of reputed Journals in which they are published (Please refer : https://www.scimagojr.com/journalsearch.php , mention the journal name, index, Rating (Q1 OR Q2 OR Q3 OR Q4)</p>	<p>1. Durgadevi, R., Suvitha, A., Steephen, A. and Arumanayagam, T., 2024. Computational, experimental investigations on effect of phosphoric acid to enhance the linear and nonlinear optical properties of hexamine p-nitrophenol crystal. Optical and Quantum Electronics, 56(1), p.120. https://link.springer.com/article/10.1007/s11082-023-05650-7 , (Q2)</p> <p>2. Murugan, T., Suvitha, A. and Boaz, B.M., 2024. Crystal growth, structural, optical, mechanical characterization and quantum chemical analysis by DFT of an organic nonlinear optical single crystal 4-Hydroxy pyridinium succinate for photonic and optoelectronic devices. Journal of Molecular Structure, 1303, p.137536. https://doi.org/10.1016/j.molstruc.2024.137536(Q2)</p> <p>3. Synthesis, Crystal Structure, Hirshfeld Surface, Energy Frame Work and DFT Analysis of Ethyl-4-aminobenzoate Oxalate Monohydrate Salt, 2024 10.14233/ajchem.2024.31323, Q3</p> <p>4. Rafik, A., Zouihri, H., Rajesh, A.S., Guedira, T., Islam, M.S., Salah, M. and Zeroual, A., 2024. Exploring hybrid dihydrogen phosphate systems: Experimental and theoretical investigation. Computational and Theoretical Chemistry, p.114678, https://doi.org/10.1016/j.comptc.2024.114678, (Q2)</p> <p>5. Steephen, Ananth, Karuna Saini, A. Suvitha, P. Vivek, T. Arumanayagam, M. Rekha, and Bradha Madhavan. "Investigational, computational explorations on betanin, lycopene, cyanidin, and peonidin organic photo sensitizers for green energy harvesting." Sustainable Energy Technologies and Assessments 60 (2023): 103451. https://doi.org/10.1016/j.seta.2023.103451, *(Q1)</p> <p>6. Madhavan, B., Suvitha, A., Balakrishnan, N., Steephen, A. and Ajay, P., 2023. Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials. International Journal of Nanotechnology, 20(5-10), pp.512-522, https://doi.org/10.1504/IJNT.2023.134007 , Q4</p> <p>7. Antony Lilly Grace, M., A. Suvitha, Herri Trilaksana, Venkatraj Athikesavan, Koyada Prathap, and A. Judith Jayarani. "Temperature-dependent energy storage performance of La2O3-doped (1-x) BiO. 5 (NaO. 84K0. 16) 0. 5TiO3-x SrTiO3 multifunctional ceramics for piezoelectric sensor applications." Journal of Materials Research 38, no. 22 (2023): 4902-4912. 10.1557/s43578-023-01200-9 Q2</p> <p>8. Sivaranjani, R., Suvitha, A., Garg, M. and Arumanayagam, T., 2023. Exploring linear and nonlinear optical behaviour of morpholine p-nitrophenol crystal: Computational and experimental analysis. Chemical Physics Impact, 7, p.100363. https://doi.org/10.1016/j.chphi.2023.100363 , Q3</p>

9. Durgadevi, R., Suvitha, A., Steephen, A. and Arumanayagam, T., 2024. Computational, experimental investigations on effect of phosphoric acid to enhance the linear and nonlinear optical properties of hexamine p-nitrophenol crystal. *Optical and Quantum Electronics*, 56(1), p.120.
<https://link.springer.com/article/10.1007/s11082-023-05650-7>, Q2
10. Hypothetical, investigational explorations on potential metal organic single crystal Bis (2, 6 diaminopyridin 1 lum) hexasquacobalt (1) disulfatedihydrate, *MRS Communications (Q2 Journal)*,
<https://doi.org/10.1557/43579-023-00372-2>
11. Crystallographic (X-rays), Spectroscopic (FT-IR, FT-Raman, NMR), electronic (NBO, FMOs) and NLO analyses for Zidovudine (ZDV); correlated experimental and theoretical studies Article DOI: 10.1007/s11082-023-04728-6, *OPTICAL AND QUANTUM ELECTRONICS*, April 2023, (Q2)
<https://link.springer.com/article/10.1007/s11082-023-04728-6>
12. . Toxicity, Pharmacokinetic Profile, and Compound Protein Interaction Study of Polygonum minus Huds Extract, *Applied Biochemistry and Biotechnology-Q2 Journal*, May 2023,
<https://doi.org/10.1007/s12010-023-04499-6>
13. Trilaksana, H., Darbhe, T., Suvitha, A.R., Gangatharan, R., Nayak, A. and Das, P., 2023. New Quantum Approach on Epilepsy Drug 3'-Aminothymidin Based on Pharmacokinetic, Topological and Molecular Docking Report. *Biointerface Research in Applied Chemistry*, 13(5), p.432. Q3
14. Suvitha, A., Maharani, N.Y., Abdullah, H.Y., Ananth, S. and Vivek, P., 2023, January. Experimental and theoretical analysis for the structural, FT-IR, NLO, NBO and RDG properties of lindane using DFT technique. In *AIP Conference Proceedings (Vol. 2554, No. 1)*. AIP Publishing.Q3
15. Mohammadi, M.D., Abdullah, H.Y., Qadir, K.W. and Suvitha, A., 2023. Theoretical investigation of intermolecular interactions between CNT, SiCNT and SiCGeNT nanomaterials with vinyl chloride molecule: A DFT, NBO, NCI, and QTAIM study. *Diamond and Related Materials*, 131, p.109602., Q1
16. Madhavan, B., Suvitha, A., Balakrishnan, N., Steephen, A. and Ajay, P., 2023. Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials. *International Journal of Nanotechnology*, 20(5-10), pp.512-522., Q3
5. Steephen, Ananth, Karuna Saini, A., Suvitha, P., Vivek, T., Arumanayagam, M., Rekha, and Bradha Madhavan. "Investigational, computational explorations on betanin, lycopene, cyanidin, and peonidin organic photo sensitizers for green energy harvesting." *Sustainable Energy Technologies and Assessments* 60 (2023): 103451.
<https://doi.org/10.1016/j.seta.2023.103451>, *(Q1)
6. Madhavan, B., Suvitha, A., Balakrishnan, N., Steephen, A. and Ajay, P., 2023. Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials. *International Journal of Nanotechnology*, 20(5-10), pp.512-522.
<https://doi.org/10.1504/IJNT.2023.134007>, Q4
7. Antony Lilly Grace, M., A. Suvitha, Herri Trilaksana, Venkatraj Athikesavan, Koyada Prathap, and A. Judith Jayarani. "Temperature-dependent energy storage performance of La2O3-doped (1- x) BiO. 5

- (Na_{0.84}K_{0.16})_{0.5}TiO_{3-x}SrTiO₃ multifunctional ceramics for piezoelectric sensor applications." *Journal of Materials Research* 38, no. 22 (2023): 4902-4912. 10.1557/s43578-023-01200-9 Q2
8. Sivarajani, R., Suvitha, A., Garg, M. and Arumanayagam, T., 2023. Exploring linear and nonlinear optical behaviour of morpholine p-nitrophenol crystal: Computational and experimental analysis. *Chemical Physics Impact*, 7, p.100363. <https://doi.org/10.1016/j.chphi.2023.100363> . Q3
9. Durgadevi, R., Suvitha, A., Steephren, A. and Arumanayagam, T., 2024. Computational, experimental investigations on effect of phosphoric acid to enhance the linear and nonlinear optical properties of hexamine p-nitrophenol crystal. *Optical and Quantum Electronics*, 56(1), p.120. <https://link.springer.com/article/10.1007/s11082-023-05650-7>, Q2
10. Hypothetical, investigational explorations on potential metal organic single crystal Bis (2; 6 diaminopyridin 1 lum) hexaquaacobalt (1) disulfatedihydrate. *MRS Communications (Q2 Journal)*. <https://doi.org/10.1557/s43579-023-00372-2>
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12. , Toxicity, Pharmacokinetic Profile, and Compound Protein Interaction Study of Polygonum minus Huds Extract, *Applied Biochemistry and Biotechnology-Q2 Journal*, May 2023, <https://doi.org/10.1007/s12010-023-04499-6>
13. Trilaksana, H., Darbhe, T., Suvitha, A.R., Gangatharan, R., Nayak, A. and Das, P., 2023. New Quantum Approach on Epilepsy Drug 38#39;-Aminothymidin Based on Pharmacokinetic, Topological and Molecular Docking Report. *BioInterface Research in Applied Chemistry*, 13(5), p.432. Q3
14. Suvitha, A., Maharani, N.Y., Abdullah, H.Y., Ananth, S. and Vivek, P., 2023. January. Experimental and theoretical analysis for the structural, FT-IR, NLO, NBO and RDG properties of lindane using DFT technique. In *AIP Conference Proceedings (Vol. 2554, No. 1)*. AIP Publishing.Q3
15. Mohammadi, M.D., Abdullah, H.Y., Qadir, K.W. and Suvitha, A., 2023. Theoretical investigation of intermolecular interactions between CNT, SiCNT and SiCGeNT nanomaterials with vinyl chloride molecule: A DFT, NBO, NCI, and QTAIM study. *Diamond and Related Materials*, 131, p.109602. Q1
16. Madhavan, B., Suvitha, A., Balakrishnan, N., Steephren, A. and Ajay, P., 2023. Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials. *International Journal of Nanotechnology*, 20(5-10), pp.512-522. Q3.

<p>7. Any other information of academic / technical nature about the research publications that you would like to provide in support of the application/ nomination (limit: 100 words)</p>	<p>17. Trilaksana, H., 2022. ADMET, Pharmacokinetic and Docking properties of the fungal drug 2-(2, 4-difluorophenyl)-1, 3-bis (1, 2, 4-triazol-1-yl) propan-2-ol by using Quantum computational methods. <i>Indian Journal of Biochemistry and Biophysics (IJB)</i>, 60(1), pp.58-64.</p> <p>18. Palanisamy, S.K., Udayakumar, A.K., Abed, A.M., Panchatcharam, P., Athisaya Rajah, S., Madhavan, B. and Steephen, A., 2022. Computational, Investigational Explorations on Structural, Electro-Optic Behavior of Pelargonidin Organic Colorant for TiO₂ Based DSSCs. <i>Symmetry</i>, 15(1), p.22, Q1</p> <p>19. Qader, S.W., Suvitha, A., Ozdemir, M., Benjamin, I., Nsa, A.S.R., Akem, M.U., Frank, A.E. and Eluwa, E.C., 2022. Investigating the physicochemical properties and pharmacokinetics of curcumin employing density functional theory and gastric protection. <i>Chemical Physics Impact</i>, 5, p.100130, Q3</p> <p>20. Yahya, M., Suvitha, A. and Bouziani, A., 2022. Structural, photophysical and optoelectronic activity of triphenylamine-based push-pull chromophores: a theoretical study. <i>Optical and Quantum Electronics</i>, 54(12), p.816,Q2</p> <p>21. Yahya, M., Kurtay, G. and Suvitha, A.R., 2022. On the viability of divergent donor moieties in malononitrile-based donor-p-acceptor NLO active materials: A DFT/TD-DFT study. <i>Journal of Physical Organic Chemistry</i>, 35(10), p.e4403, Q3</p> <p>22. Durgadevi, R., Suvitha, A. and Arumanayagam, T., 2022. Growth, optical, electrical properties and DFT studies on piperidinium 4-nitrophenolate NLO single crystal in acetone. <i>Journal of Crystal Growth</i>, 582, p.126512, qa1</p> <p>23. Madhavan, B., Suvitha, A. and Steephen, A., 2022. Novel La_{1-x}CaxTi_{1-y}Ta_yO_{3-d} perovskites with enhanced conductivity for solid oxide fuel cell electrodes. <i>Journal of Alloys and Compounds</i>, 915, p.165370, Q1</p> <p>24. Diamond morphology CuO nanomaterial's elastic properties, ADMET, optical, structural studies, electrical conductivity and antibacterial activities analysis. <i>Inorganic and Nano-Metal Chemistry</i>, 52(9),2022, pp.1243-1255,Q3</p>
<p>8. Provide details if you have generated any patents, products out of your research publications mentioned in item 4.</p>	<p>1. Application Design Application No.329668-001, (2020) Granted Jan 2023</p> <p>2. Product patent application No.2756832-008, Published on 18th Sep, 2020.</p> <p>3. Product patent application No.202141026323, filed on 15th June 2021</p> <p>4. Product patent No.202241005354 published on 11th Feb2022.</p> <p>5. Product patent Application No.202141043880, published on 28th Sep 2021.</p> <p>6. Product patent Application filed, 202241032195 on 29 April 2022.</p> <p>7. Design Patent filed 382677-001 on 27th March 2023.</p> <p>8.Design Patent filed 391581-001 on 25th July 2023</p>
<p>i) Journal Publications listed in SCImago Journal Rank (Rating , Q1 OR Q2 OR Q3 OR Q4). Specify rating referring to the website: https://www.scimagojr.com/journalsearch.php</p>	

	<p>1.Computational, experimental investigations on effect of phosphoric acid to enhance the linear and nonlinear optical properties of hexamine p-nitrophenol crystal. Optical and Quantum Electronics, 56(1), p.120,2024.https://link.springer.com/article/10.1007/s11082-023-05650-7 , (Q2).</p> <p>2.Crystal growth, structural, optical, mechanical characterization and quantum chemical analysis by DFT of an organic nonlinear optical single crystal 4-Hydroxy pyridinium succinate for photonic and optoelectronic devices. Journal of Molecular Structure, 1303, p.137536, 2024. https://doi.org/10.1016/j.molstruc.2024.137536(Q2)</p> <p>3.Synthesis, Crystal Structure, Hirshfeld Surface, Energy Frame Work and DFT Analysis of Ethyl-4-aminobenzoate Oxalate Monohydrate Salt,2024 10.14233/ajchem.2024.31323, Q3</p> <p>4.Exploring hybrid dihydrogen phosphate systems: Experimental and theoretical investigation. Computational and Theoretical Chemistry, p.114678, https://doi.org/10.1016/j.comptc.2024.114678, Q3.</p>
	<p>1.Investigational, computational explorations on betanin, lycopene, cyanidin, and peonidin organic photo sensitizers for green energy harvesting." Sustainable Energy Technologies and Assessments 60 (2023): 103451. https://doi.org/10.1016/j.seta.2023.103451, *(Q1)</p> <p>2. Temperature-dependent energy storage performance of La2O3-doped (1-x) BiO. 5 (Na0.84K0.16) 0.5TiO3-x SrTiO3 multifunctional ceramics for piezoelectric sensor applications." Journal of Materials Research 38, no. 22 (2023): 4902-4912. 10.1557/s43578-023-01200-9, Q2</p> <p>3. Computational, experimental investigations on effect of phosphoric acid to enhance the linear and nonlinear optical properties of hexamine p-nitrophenol crystal. Optical and Quantum Electronics, 56(1), p.120, 10.1007/s11082-023-05650-7, Q2</p> <p>4. Toxicity, Pharmacokinetic Profile, and Compound Protein Interaction Study of Polygonum minus Huds Extract, Applied Biochemistry and Biotechnology 2023,10.1007/s12010-023--04499-6, Q2</p>
	<p>1. Computational, Investigational Explorations on Structural, Electro-Optic Behavior of Pelargonidin Organic Colorant for TiO2 Based DSSCs. Symmetry, 15(1), p.22, (2022) https://doi.org/10.3390/sym15010022 ,Q1</p> <p>2.Structural, photophysical and optoelectronic activity of triphenylamine-based push-pull chromophores: a theoretical study. Optical and Quantum Electronics, 54(12), p.816,(2022), 10.1007/s11082-022-04239-w, Q2</p> <p>3.Novel La1-xCaxTi1-yTayO3-d perovskites with enhanced conductivity for solid oxide fuel cell electrodes. Journal of Alloys and Compounds, 915, p.165370, (2022) 10.1016/j.jallcom.2022.165370, Q1</p> <p>4.An organic hexamine p- nitrophenol crystal: Growth, optical, electrical, mechanical and density functional theoretical studies for nonlinear optical applications. Optical Materials, 127, p.112280, (2022) 10.1016/j.optmat.2022.112280, Q1</p>
ii) Journal publications -Not listed in SCImago Journal rating rank	
	<p>1.Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials. International Journal of Nanotechnology, 20(5-10), pp.512-522, https://doi.org/10.1504/IJNT.2023.134007 , Q4</p> <p>2. 2023. Exploring linear and nonlinear optical behaviour of morpholine p-nitrophenol crystal: Computational and experimental analysis. Chemical Physics Impact, 7, p.100363, https://doi.org/10.1016/j.chphi.2023.100363 , 2023, Q3</p>

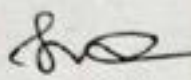
	<p>1. New Quantum Approach on Epilepsy Drug 38#39- Aminothymidin Based on Pharmacokinetic, Topological and Molecular Docking Report. BioInterface Research in Applied Chemistry, 13(5), p.432.</p> <p>2. ADMET, Pharmacokinetic and Docking properties of the fungal drug 2-(2, 4-difluorophenyl)-1, 3-bis (1, 2, 4-triazol-1-yl) propan-2-ol by using Quantum computational methods. Indian Journal of Biochemistry and Biophysics (IJB), 60(1), pp.58-64.</p> <p>3. Investigating the physicochemical properties and pharmacokinetics of curcumin employing density functional theory and gastric protection. Chemical Physics Impact, 5, p.100130, 2023, Q3</p>
	<p>1. Exploring the Crystal, FT-IR, Optical, and NLO Properties of 3, 4-Dichloro-6-Ethyl-6H-Pyrano [3, 2-c] Quinoline-2, 5-Dione (DCPQ), Q3</p> <p>2. Experimental and theoretical validation studies of ASnO3 (A= Ba, Ca, Sr) nanofibres for bioactivity applications. International Journal of Nanotechnology, 19(6-11), pp.554-565, Q3</p>
iii) Google Impact factor of journal	<p>1. Iranian Journal of Science and Technology, Transactions A: Science- 1.553</p> <p>2. Diamond and Related Materials- 4.1</p> <p>3. Chemical Physics Impact-2.552</p> <p>4. Journal of Crystal Growth-1.830</p> <p>5. Journal of Materials Science: Materials in Electronics -2.8</p> <p>6. Applied Biochemistry and Biotechnology-3</p> <p>7. Journal of Alloys and Compounds-6.371</p> <p>8. Computational and Theoretical Chemistry-2.8</p> <p>9. Optical and Quantum Electronics-3.0</p> <p>10. Optical Materials -3.9</p> <p>11. Journal of Theoretical and Computational Chemistry -2.44</p> <p>12. Inorganic and Nano-Metal Chemistry -1.7</p> <p>13. Journal of Physical Organic Chemistry -1.156</p> <p>14. Saudi Pharmaceutical Journal-4.1</p> <p>15. symmetry-2.7</p> <p>16. Journal of Biomolecular Structure and Dynamics-4.4</p> <p>17. Journal of Computational Electronics 2.1</p> <p>18. MRS Communications -2.5</p> <p>19. Journal of Materials Research-2.5</p> <p>20. Journal of Optics -2.2</p> <p>21. Sustainable Energy Technologies and Assessments -8.0</p> <p>22. Indian Journal of Biochemistry and Biophysics-1.476</p>
iv) Conference Presentations	
	<p>Experimental and theoretical analysis for the structural, FT-IR, NLO, NBO and RDG properties of Lindane using DFT Technique, ICOWOBAS, 25th & 26th of August 2021, Indonesia. Received BEST PRESENTER AWARD, published in AIP conference proceedings.</p>
	<p>Spectral Investigations (FT-IR, NMR & UV-Visible), Nbo, Nlo, Molecular Geometry, Mulliken Charges, Homo-Lumo, Mep Calculations And Admet Properties Of 2-(2,4-Difluorophenyl)- 1,3-Bis(1,2,4-Triazol-1-Yl) Propan-2-ol By Density Functional Theory Method, WORLD RECORD ATTEMPT, ESN Publications, Chennai held on 3rd to 9th September 2020.</p>
	<p>X-ray and NMR spectral investigation, DFT calculations, Molecular dynamics, physicochemical descriptors, ADME parameters, pharmacokinetic Bioactivity report on 1-[(2R, 4S, 5S)-4- azido-5-(hydroxyl methyl) oxolan-2-yl]- 5-methylpyrimidine-2, 4-dione [1], Received BEST PRESENTER AWARD, International Symposium on MCGPD 2019, Chennai.</p>

Declaration

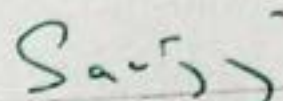
We hereby declare that the details furnished above are true to the best of our knowledge
We understand that any misinformation furnished by us will lead to the rejection of the application

Passport size
Photograph




Dr. A. Suvitha

Name & Signature
of the Applicant



Name & Signature
Head of the Institution (with Seal)

Principal

CMR Institute of Technology
Bangalore - 560 037.

Date

10/6/2024

Place

Bengaluru

