



CURRICULUM VITA

Name:	Dr. Shivaraj.B.Radder	
Designation:	Assistant Professor	
Department:	Physics	
Specialization & Research Interests:	Vibrational Spectroscopy, Computational Chemistry and Density functional theory.	
Email IDs (Official & Personal)	sbradder.phy@hsit.ac.in sbradder015@gmail.com	
Mobile No.:	8431653560	
Address:	Asst. Professor Dept. of Physics Hirasugar Institute of Technology, Nidasoshi Karnataka PIN - 591 236	

2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
P.hD	2024-25	VTU, Belagavi
M.Sc	2013-2015	KLE's P.C.Jabin (Autonomous) Science College Hubballi
B.Sc.	2011-2013	KLE's P.C.Jabin (Autonomous) Science College Hubballi

3. ANY OTHER QUALIFICATION:

NIL

4. PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology, Nidasoshi	Assistant Professor	29-05-2025 to Till Date
Navodaya Institute of Technology Raichur	Assistant Professor	8 months.
KLE Technological University Hubballi	Teaching Assistant	4 years
Oxford Polytechnic College	lecturer	six months.

5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
--	--	--

6. COURSES TAUGHT:

Engineering Physics, Engineering Physics Laboratory

Quantum Physics and Electronic Sensors (CS)

Quantum Physics And Electronic Sensors (Ec)

Physics of Materials (Mech Stream)

7. RESEARCH SUPERVISION:**A. Ph.D.:**

- i. Awarded : ---
- ii. Submitted : ---
- iii. Ongoing : ---

B: M.Tech.

- i. Awarded : ---
- ii. Submitted : ---
- iii. Ongoing : ---

C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):

- i. Awarded : --
- ii. Submitted : --
- iii. Ongoing : --

8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

10. PUBLICATIONS:**A. BOOKS/MONOGRAPHS:**

- 1. Authored: NIL

- 2. Edited: NIL

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- 1. **Shivaraj B. Radder**, R.M. Melavanki , S. M. Hiremath, R. Kusanur, S. S. Khemalapure, S. Christopher Jeyaseelan, Synthesis, spectroscopic (FT-IR, FT-Raman, NMR & UV-Vis), reactive (ELF, LOL, Fukui), drug likeness and molecular docking insights on novel 4-[3-(3-methoxy-phenyl)-3-oxo-propenyl]-benzonitrile by experimental and computational methods, Heliyon 7 (2021) e08429. **Impact factor 2.85**
- 2. **Shivaraj B. Radder**, R.M. Melavanki , S. M. Hiremath, R. Kusanur, S. S. Khemalapure, S. Christopher Jeyaseelan, Spectroscopic (FT-IR, FT-Raman, NMR), Reactivity (ELF, LOL and Fukui) and Docking Studies on 3-(2-hydroxy-3-methoxy-phenyl)-1-(3-nitro-phenyl)-propenone by Experimental and DFT Methods, J. Mol. Struct 1255 (2022) 132443 **Impact factor 3.16**.
- 3. **Shivaraj B. Radder**, B. Siddlingeshwar, S.R. Manohara, Sudhir M. Hiremath, Raviraj Kusanur, and S. Christopher Jeyaseelan, Experimental and theoretical investigation on vibrational, electronic, and docking characteristics of 1-(3-nitro-phenyl)-5-phenyl-penta-2,4-dien-1-one (1NP5PP, Canadian Journal Of Physics 2024. **Impact Factor 1.1**

4. P. G Patil, R.M. Melavanki, **Shivaraj B Radder**, R. Kusanur, C. S Hiremath, N. R Patil, S. M Hiremath, synthesis, structural characterizations and quantum chemical investigations of 1-(3-methoxy-phenyl)-3-naphthalene-1-yl-propenone, ACS Omega American Chemical Society 25982-25995, **Impact factor 3.512**
5. S. S. Khemalapur, V.S. Katti, C.S. Hiremath, M. Basanagouda, S.M. Hiremath, **Shivaraj.B. Radder**, Spectroscopic (FT-IR, FT-Raman, NMR and UV-Vis), ELF, LOL, NBO, and Fukui function investigations on (5-bromo-benzofuran-3-yl)-acetic acid hydrazide (5BBAH): Experimental and theoretical approach, J. Mol. Struct 1196 (2019) 280-290. **Impact factor 3.16**
6. S. M. Hiremath, A.S. Patil, C.S. Hiremath, M. Basanagouda, S.S. Khemalapur, N.R. Patil, **Shivaraj .B. Radder**, Structural, spectroscopic characterization of 2-(5-methyl-1-benzofuran-3-yl) acetic acid in monomer, dimer and its electronic properties: experimental and computational study, J. Mol. Struct 1178 (2019) 1-17. **Impact factor 3.16**
7. S.S. Khemalapur, S.M. Hiremath, M.M. Basanagouda, **Shivaraj.B. Radder**, V.V. Koppal, S. Christopher Jeyaseelan, V.S. Negalurmah, Spectral (Vibrational, Fluorescence), Electronic Features and Molecular Docking Studies of 3-(5-chloro-benzofuran-3-ylmethyl)-5-(4-methoxy-phenyl)-4H-[1,2,4] triazole using Experimental and DFT methods, Chemical Physics Impact, 100218(2023). **Impact factor 2.55** .

C. PAPERS IN CONFERENCES PROCEEDINGS:

1. 1. Paper presentation at International Conference on Recent Trends in Material Science(ICRTMS-2023) organized by the department of physics, Kristu Jayanti college, Bangaluru
2. Paper presentation at International conference on Physics of Advanced Materials and Molecules (ICPAMM-2020) organized by Dpt. Of physics, Dr. Ambedkar Government Arts, Vyasarpadi, Chennai-600039
3. Participated and presented a paper at Fifth International Conference on Advances in Materials Science (Online) (ICAMS – 2020) organized by Post – Graduate Department of Physics and IQAC of Raje Ramrao Mahavidyalaya, Jath – 416 404, Dist – Sangli, Maharashtra, India
4. Participated in the “National conference on Emerging Trends in Functional Oxides and Nanomaterials” (ETiFON-2021) organized by Department of Physics, Saurashtra University, Rajkot, Gujarat, India.
5. Participated in the webinar on “Electron Microscopy: An essential tool for nano materials characterization” Organized by Department of Electronics and Physics Hindusthan college of arts and science (autonomous) coimbatore- 641 028, Tamilnadu.

6. Participated in Online Webinar On “Recent Advancements in Bio & Nanomaterials” organized by PG and Research Department of Physics, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, Namakkal.
7. Participated in the WEBINAR on "Advances in Materials Science" organised by the PG Department of Physics, Ethiraj College for Women (Autonomous), Chennai on 29th May 2020
8. Participated in the National Webinar on “Nanostructured Materials for Controlling the Flow of Light” Organised by Department of Physics & Department of Electronics in association with IQAC on 5th June, 2020
9. Participated in the International Webinar on Advanced Materials (IWAM- 2020) held on 3 June 2020 organized by the Department of Physics, LRG Government Arts College, Tirupur.
10. Participated in International webinar on “Optical Sources and Their Applications” organized by “QUIBT” the physics society on May 28, 2020.

11. Patents/Copyrights/IPR (If Any)

NIL

12. INVITED TALKS

NIL

13. RESEARCH PROJECTS (COMPLETED/ONGOING):

NIL

14. PARTICIPATION & PRESENTATIONS IN SEMINARS /SYMPOSIA/ WORKSHOPS/ CONFERENCES:

1. Participated in the Five days Online FDP on “Renewable and Non Renewable Energy Sources and Their Impact on Current Energy Scenario”, organized by the Department of Science and Humanities, Nehru Institute of Technology, Coimbatore - 641105 during 27-31st, August, 2024.
2. Participated in the National workshop on modern spectroscopic techniques-2019 held at department of physics, SSN college of engineering Chennai-603110, Tamilnadu.
3. Participated in the One Day Online Workshop on “Materials Science and Applications”, Organized by Department of Physics, Arulmigu Palaniandavar Arts College for Women, Palani on 29th May 2020.

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

16. ANY OTHER SIGNIFICANT INFORMATION:

(Dr. Shivaraj.B.Radder)