



CURRICULUM VITAE

Name:	Shivaraj B Radder	
Designation:	Assistant Professor	
Department:	Physics	
Specialization & Research Interests:	Spectroscopy	
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2. ACADEMIC QUALIFICATION(in reverse Chronological order):

Degree	Year	University/Board
Ph.D.	Pursuing	VTU, Belagavi
M.Sc.	2014	KUD, Dharwad

3. PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration
Oxford Polytechnic college	Lecturer	22-12-2015 to 02-08-2016
KLE Technological University Hubli	Teaching Assistant	05-08-2016 to 29-02-2020
Navodaya Institute of Technology	Asst. Professor	17-10-2022 to 25-05-2023
Hirasugar Institute of Technology, Nidasoshi	Asst. Professor	29-05-2023 to till date

4. PUBLICATIONS:**A. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:**

1. **Shivaraj B. Radder**, R.M. Melavanki , S. M. Hiremath, R. Kusanur,S. S. Khemalapur, S. Christopher Jeyaseelan, Synthesis, spectroscopic (FT-IR, FT-Raman, NMR & UV-Vis), reactive (ELF,LOL, Fukui), drug likeness and molecular docking insights on novel4-[3-(3-methoxy-phenyl)-3-oxo-propenyl]-benzotrile 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. Khemalapur, 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. 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**
4. 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**
5. 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**

6. S.S. Khemalpure, S.M. Hiremath, M.M. Basanagouda, **Shivaraj.B. Radder**, V.V. Koppal, S. Christopher Jeyaseelan, V.S. Negalurmath, Spectral (Vibrational, Fluorescence), Electronic Features and Molecular Docking Studies of 3-(5-chloro-benzofuran-3-ylmethyl)-5-(4-methoxyphenyl)-4H-[1,2,4] triazole using Experimental and DFT methods, Chemical Physics Impact, 100218(2023). **Impact factor 2.55** .

C. PAPERS IN CONFERENCE:

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.

Participation in Workshop:

1. Participated in the National workshop on modern spectroscopic techniques-2019 held at department of physics, SSN college of engineering Chennai-603110, Tamilnadu.
2. 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

Shivaraj B Radder