



Dr. B. R. Gayathri

Designation: : Associate Professor
Educational Qualification : **M.Sc., Ph.D.**
Date of Joining the Institution : 01-07-1987
Date of permanent appointment : 22-01-1992
Teaching Experience : 33 years
Date of Birth : 18-06-1961
Email id : physics.jss.@gmail.com
Date of award of Ph.D. :27.02.2009 (Karnatak University, Dharwad)
Additional responsibilities : Vice-Principal (Science)
: Head of the Department of Physics (2007 onwards)
: Chairperson: Science Examination committee.

Membership of Academic Bodies:

- Member of Physics Teachers Forum.
- Karnatak University College Teachers Association.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. **Rotational diffusion of coumarins in alcohols: a dielectric friction Study; B.R. Gayathri, J.R. Mannekutla and S.R. Inamdar; Journal of Fluorescence, (Springer). 18, 943-952 (2008). Impact parameter - 2.63**

2. **Effect of binary solvent mixtures (DMSO/water) on the dipole moment and lifetime of coumarin dyes; B. R. Gayathri, J. R. Mannektla and S. R. Inamdar;** Journal of Molecular Structure (Elsevier) 889, 383-393 (2008). Impact parameter- 1.486.
3. **Rotational Diffusion of Coumarins in Aqueous DMSO; S.R. Inamdar, B.R. Gayathri and J.R. Mannektla,;** Journal of Fluorescence (Springer), 19,693-703(2009). Impact parameter - 2.63.

CONFERENCE PAPERS

1. **Estimation of ground and excited state dipole moment of C440 in binary mixtures. B.R. Gayathri, J. R. Mannektla and S. R. Inamdar.** National Laser Symposium, RRCAT-Indore, December 5-8, PP 87 (2006). **Rotational dynamics of coumarin 522B.**
2. J. R. Mannektla, **B.R. Gayathri**, B. G. Mulimani and S. R. Inamdar. Photo Rad. Chem., M. G. University-Kottayam, February 8-11, PP 67 (2007).
3. **Study of Rotational dynamics of coumarin 466 and coumarin 152 in alcohols. B.R. Gayathri, J. R. Mannektla and S. R. Inamdar.** Trombay Symposium on Radiation and Photochemistry (TSRP), BARC, Mumbai, Jan 7-12, PP (2008).
4. **Rotational diffusion of Coumarins in binary solvent mixture, B.R. Gayathri, J. R. Mannektla, S. R. Inamdar.** National Symposium on Radiation and Photochemistry (NSRP), Nainital. March (2009).

REFRESHER/ORIENTATION COURSE ATTENDED

- 1) Refresher courses attended: 04
 - a) 03-05-1995 to 23-05-1995 at Karnatak University, Dharwad.
 - b) 15-04-1998 to 08-05-1998 at Mangalore University, Mangalagangothri
 - c) 16-10-2000 to 08-11-2000 at Mangalore University, Mangalagangothri
 - d) 02-11-2004 to 22-11-2004 at Kuvempu University, Shimoga.
- 2) Orientation course: 03-10-2002 to 30-10-2002 at Karnatak University, Dharwad.

Workshops/Seminars/Conferences attended

1. National symposium on “Radiation and Photochemistry” held in Karnatak University, Dharwad during January 17th to 19th 2005.
2. Workshop on “Astronomy and astrophysics” during December 5th to 7th 2005, in Department of Physics, Karnatak university, Dharwad.
3. Seminar on “Trends in condensed matter Physics” during March 8th - 9th, 2006, organized by the Department of Physics, Karnatak University, Dharwad.
4. Workshop on “Nuclear Energy for 21st Century” at S.D.M. Engineering College. Dharwad on 27th August 2009.
5. Workshop on “NAAC Re-Accreditation Process” on 21ST May 2009, at J.S.S.College Dharwad.
6. Workshop on “Recent Developments in Physics” on 15th September 2009, at Huvinahadagali.
7. Faculty Development Programme for undergraduate Science faculty members held at the Department of Physics. Karnatak University Dharwad on 24-26th March 2011.
8. Workshop on Pedagogical skills development at J.S.S. College Dharwad conducted by KHKCIIP on 22nd January 2012.
9. Training and retraining programme under CPE grant conducted at J.S.S. College Dharwad on 30th March 2012.
10. Actively involved in conducting National Science day sponsored by Karnataka Science and Technology Academy on 13th March 2012.
11. Actively involved in conducting UGC sponsored two days state level seminar on advanced in Nanodevices and application on 11th and 12th September 2014.
12. Two days National level seminar on Advances in soft and low dimensional materials conducted by P.C.Jabin Science College, Hubli on 20th and 21st February 2015.
13. Submitted the final report of the UGC minor research project work entitled **“Investigation of rotational dynamics of fluorescent probes”** to the Education officer, UGC on 18/06/2016.

14. Actively involved and participated in physics U.G.C - CPE sponsored two days National level seminar on **'Photonics and its applications'** on 16th and 17th of September 2016 and all the staff members of the department actively
15. One day NAAC Sponsored National Level Workshop on **"DEVELOPING TRENDS IN QUALITY EDUCATION – THE NEW JOURNEY"** organized by Internal Quality Assurance Cell held on 23rd February 2019 at J.T. College Gadag.

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