



Bio-Data of Dr. (Smt.) Jayashree J. Tonannavar

- 1. Name** : Jayashree Tonannavar
- 2. Education** :
 - 1) B.Sc. First Class with Distinction (1985) at P.C. Jabin Sci. Coll, Hubli
 - 2) M.Sc. First Class with Distinction (1987) at Dept. of Physics, Karnatak University, Dharwad
 - 3) Ph.D. (1991) at Dept. of Physics, Karnatak University, Dharwad
Study of Molecules Using Lasers: Evaluation of Some New Dyes for Lasing and Energy Transfer Mechanisms in Dye Mixture Lasers
- 3. Present position** : Professor, Dept of Physics, Karnatak Univ., Dharwad
- 4. Academic Distinctions** :
 1. Second Rank to the Karnatak University at B.Sc. Final.
 2. Recipient of 'N.R. Tawade' Gold Medal at M.Sc.
 3. Government of India Merit Scholarship
 4. Dewan Bahadur R.S. Hiremath and Smt Parwatidevi Hiremath Memorial Prize at M.Sc. Previous (1986).
- 6. Research Fellowships held** :
 - 1) Junior Research Fellowship under the UGC program of Departmental Research Support.
 - 2) University Research Studentship.
- 7. Teaching Experience** :

- 1) Karnatak Science College, Dharwad : Lecturer, 1996-99
- 2) Dept. of Physics, Karnatak University, Dharwad : 1999- till date

8. Research Field/Projects :

- Experimental and Theoretical vibrational spectroscopy of Organic Compounds, unnatural amino acids and chiral compounds.
- Completed UGC Major Research Project

9. No. of Ph.D. Students : 05-Completed 03- presently working
No. of M.Phil. Students : Three (completed)

10. Association with Major Research Projects :

- UGC's COSIST and DSA (Phase I, II, III)
- UGC's CAS Phase I and II
- DST's PURSE Phase I and II
- UGC's UPE(Focused Area)

11. Collaboration :

- Organic section, Dept. of Chemistry, KUD
- BLDE University, Bijapur
- Anna University, Chennai
- Tumkur University, Tumkur
- University of Helsinki

12. Association with other Research Institutions :

Laser Spectroscopy Lab.,
Dept. of IPC, Indian Institute of Science, Bangalore

Short Term Work Visit in connection with the research work.
(Computational Quantum Chemistry Techniques and Molecular Dynamics)

13. Research Publications :

- 65 papers in the National and International Journals
- Around 100 papers presented in National and International Conferences
- Award for Best Research Publication(ARP) Vision Group on Science and Technology(VGST), Government of Karnataka, in 2014
- Best paper award for the collaborative work with Dept. of Chemistry from Karnatak University, Dharwad in 2016
- Reviewed papers (Spectrochimica Acta A ; J. Molecular Structure)

14. Association with other Universities :

- As BOE Member of Kuvempu University, Shimoga
- As BOE Member of Gulbarga University, Gulbarga
- As BOE Member of Bangalore University, Bangalore
- As BOE Member of Regional Institute of Education, Mysore
- As BOE Member of Davangere University, Davangere.
- As a Member of Selection committee for various State and Central Universities

15. Membership of Professional Bodies :

- 1) Life member - Karnatak University Physics Teachers' Forum
- 2) Life member - Photonic Society of India

16. Work done for the University

1. Member, IQAC –Sub-committee KUD (Presently) for the fourth cycle of NAAC.
2. Served as In charge ANO (Associate NCC Officer) for the Girls Battalion – Senior Wing, Dharwad, during 1996-97.
3. Served as the Warden for the Rani Kittur Chennamma Ladies Hostel, Karnatak University, Dharwad during 2000-2002.
4. Worked in the various Committees at the University level.
5. Worked as a Member of the organizing committee for various symposia held in the Dept. of Physics, KUD.
6. Worked as a Treasurer, organizing committee for a Seminar on Trends in Laser Physics supported by UGC-DSA Phase III held during 17-19 Nov 2004, Dept. of Physics, KUD.
7. Worked as a convener for the Two- Day National Seminar on Frontier Methods and Techniques for Probing Molecules and Materials under UGC-SAP-CAS-II during 22nd and 23rd March 2018.

17. Academic/Popular Talks

- Resource Person to Seminar on Trends in Laser Physics supported by UGC-DSA Phase III held during 17-19 Nov 2004, Dept. of Physics, KUD.
- Resource Person to Seven NCSTC (DST, New Delhi) funded Contact Programmes organized for I-PUC Talented Science Students during 2000-2002, in the department of Physics, KUD.
- Talks given at Refresher courses, orientation courses and at University/colleges (National Science Day, Women's day and Women empowerment)