



Dr. K. H. Nagachandra, Associate Professor

Email id: khnjss@gmail.com

Date of Birth; 08/09/1965

Educational Qualification: M.Sc. Ph.D.

Date of Joining the Institution: 04/11/1999

Date of permanent appointment: 10/02/1999

Teaching Experience: 31 years

Title of Thesis: *Ultrafast spectroscopy of laser dyes.*

Additional responsibilities:

Coordinator College Time- Table Committee,

Covid-19 essentials Corona warriors

Date of award: 15/05/2012. from Karnatak University, Dharwad.

Awards : Best poster presentation in the National level seminar held at P.C. Jabin Science College. Hubli.

Adhyapak Bhushan Award on 5th September 2019 by Karnataka Rajya Madhyamik Shikshak Sangh.(KRMSS)

Membership of Various Associations:

- Member of Physics Teachers Forum.
- Karnatak University College Teachers Association.
- BOS member for P.C Jabin Science College, Hubli.

PUBLICATIONS:

1. **Study of Rotational Diffusion of dipolar laser dye in alcohols, K.H. Nagachandra, J.R. Mannektla, M.A. Shivkumar, S.R. Inamdar** Proceedings of 3rd Asia-Pacific Symposium on Radiation Chemistry, DAE- BRNS 10th Biennial Trombay Symposium on Radiation & Photochemistry, APSRC-TSRP-2010 Vol. II, 181(2010) ISBN: 81-88513-38-5
2. **Influence of temperature on rotational diffusion of dipolar dyes in glycerol,** Journal of Luminescence *132(2012)570-578* Impact parameter: 2.144
3. **Solvent effect on the spectral properties of dipolar dyes -** European journal of Chemistry *3(2)(2012)163-171*. Impact parameter: 0.64

CONFERENCE PAPERS:

- 1) **Study of rotational dynamics of fluorescein 27 in alcohols. K.H.Nagachandra, J.R.Mannektla, M.A.Shivakumar, and S.R.Inamdar.,** Four days [January 7-10, 2009] –Eighth DAE-BRNS **National Laser Symposium** (NLS-organized at LASTEC, New Delhi.
- 2) **Study of rotational dynamics of Sulforhodamine B in glycerol, K.H.Nagachandra, J.R.Mannektla, M.A.Shivakumar and S.R.Inamdar,** National Symposium on Radiation and Photochemistry (NSRP), Nainital. March (2009).
- 3) A paper on **Study of rotational Diffusion of dipolar laser dyes in alcohols** was accepted for poster presentation by **Shri. K.H. Nagachandra** at 3rd **Asia pacific Symposium** on radiation chemistry and DAE-BRNS 10th biennial trombay symposium on radiation and photochemistry during 14th -17th September 2010 in Treasure Island resorts, Lonavala, India.
- 4) **Study of Rotational diffusion of Fluorescein Na in alcohols** was accepted for poster presentation by **Prof. K.H.Nagachandra** in DAE-BRNS **National Laser Symposium** at Raja Ramanna Centre for Advanced Technology Indore on 1stto 4th of December 2010.

- 5) **Temperature dependant rotational diffusion F27 in glycerol** was accepted for poster presentation by **Prof. K.H.Nagachandra** in **DAE- BRNS National symposium** on Atomic, Molecular and Optical Physics at Karnatak University, Dharwad during Feb-22nd to 25th of 2011.
- 6) **Rotational diffusion of polar solutes in DMSO -water system** by **Prof. K.H.Nagachandra** was accepted for poster presentation in **DAE- BRNS National Symposium** on Atomic, Molecular and Optical Physics at Karnatak University Dharwad during Feb-22nd to 25th of 2011.
- 7) Paper on **Rotational diffusion of dipolar dyes in Alcohols : a dielectric study** accepted for oral presentation on by **Shri. K.H. Nagachandra** in 16th **International conference** Luminescence ICL 2011 June 26th -1st July 2011. Ann Arbor, Michigan University, USA.
- 8) Paper on **Rotational Diffusion of Dipolar dyes in Alcohols** by **Dr. K.H Nagachandra**, accepted for **Poster presentation at National level 101st** annual session of Indian Science Congress held at Jammu University, Jammu during 3rd – 7th February 2014.
- 9) **Dr. K.H.Nagachandra** awarded **first place for the best poster presentation** on **Rotational diffusion of F- Na 27 in DMSO-Water system** at Two days **National level seminar** on Advances in soft and low dimensional materials conducted by P.C.Jabin Science College, Hubli during 20th and 21st February 2015.
- 10) **Dr.K.H.Nagachandra** attended **4th International conference** on Current Developments in Atomic, Molecular, Optical and Nanophysics with applications from 11th to 14th March 2015 organized by the Department of Physics and Astrophysics, University of Delhi. He has presented poster on **Rotational Dynamics of a polar solute Fluorescein-27 in DMSO-Water System.**
- 11) **Dr.K.H.Nagachandra** attended **International conference** on Current Developments in Atomic, Molecular, Optical and Nanophysics with applications from 18th to 20th December 2019 organized by the Department of Applied

physics, Delhi Technological University, Delhi. He has presented a poster on **Rotational Diffusion of a polar solute in DMSO-Water System.**

- 12) **Dr.K.H.Nagachandra** attended **International conference** on Current Developments in Atomic, Molecular, Optical and Nanophysics with applications from 18th to 20th December 2019 organized by the Department of Applied physics, Delhi Technological University, Delhi. He has presented a poster on **Raman and infrared spectra and Ab initio/DFT calculations for the Optimized structure of (S)-(+)-2-Nonyl isocyanate(C₁₀H₁₀NO).**

REFRESHER AND ORIENTATION COURSES:

1. **Shri. K.H.Nagachandra** attended a Orientation course sponsored by UGC at Ramakrishna Institute for Moral and Spiritual Education(RIMSE),Mysore From 8th October 2003 to 6th November 2003.
2. **Shri. K.H.Nagachandra** attended a Refresher course sponsored by UGC on Nano Sciences held at Karnataka University Dharwad. From 21st December 2009 to 10th January 2010.
3. **Dr. K.H. Nagachandra** attended U.G.C sponsored refresher course in Recent Trends in Physics conducted by academic staff college at Karnatak University, Dharwad from 05/02/2013 to 25/02/2013.
4. **Dr. K.H. Nagachandra** attended U.G.C sponsored refresher course in ICT programme conducted by academic staff college at Karnatak University, Dharwad from 11/12/2014- 31/12/2014.

OTHERS:

1. **Prof. K.H. Nagachandra** has been deputed to Karnatak University for completing his **Ph.D** work from 13.08.2009 to 12.08.2011
2. **Dr. K.H.Nagachandra** actively involved in conducting and participated in National Science day sponsored by Karnataka Science and Technology Academy on 13th March 2012.

3. **Dr. K.H.Nagachandra**, attended Training and retraining programme under CPE grant conducted at J.S.S. College Dharwad on 30th March 2012.
4. **Dr. K.H.Nagachandra** attended a workshop on Developing Strategic question bank under UGC-CPE programme innovations on 25/08/2012 as a resource person at P.C.Jabin Science College.Hubli.
5. Dr. K.H.Nagachandra became a **B.O.S member** of P.C.Jabin Science College. Hubballi.
6. **Dr. K.H.Nagachandra** attended B.O.S. meeting in Revision of Syllabus on 04/03/2015 at P.C. Jabin Science autonomous College, Hubli.
7. **Dr. K.H.Nagachandra** attended B.O.S. meeting in Revision of Syllabus on 13/03/2019 at P.C. Jabin Science autonomous College, Hubli.
8. **Dr. K.H Nagachandra attended as a Resource person** in the Swami Vivekananda Youth Movement Dharwad on **7th and 8th of January 2020 held in Govt. ladies training centre, Dharwad.**
9. **Dr.K.H.Nagachandra** was the **Resource Person for a special lecture on Free electron Theory of Metals** for B.Sc VI Semester students on 12/03/ 2020at Govt. College, Dharwad.

Workshops/Seminars/ Conferences attended:

1. UGC sponsored two days State Level Seminar on Recent Advance in Nanotechnology and Smart materials-organized by NMKRV College for Women Bangalore during 30th September and 1st October 2004.
2. Three Day National Symposium on Radiation and Photo Chemistry-2005 (NSRP-2005) held in the Karnatak University, Dharwad during January 17-19, 2005.
- 3 One day workshop on curriculum design for UG semester syllabus of Physics/Electronics conducted on 25th February 2005 by Karnatak University Physics Teachers forum and Department of Physics, Karnatak University, Dharwad at Basaveshwar Science College, Bagalkot.

- 4.** NAAC sponsored Two Day National Conference on “Organization & Management in Higher Education in tune with Globalization” on 18th & 19th March 2005 at R L Science Institute, Belgaum.
- 5.** Three day workshop on Astronomy & Astrophysics (Instruments and Observations) during December 5 to 7, 2005 organized by Department of Physics, Karnatak University, Dharwad.
- 6.** One day seminar on “Challenges in Higher Education” organized jointly by Karnatak University College Teachers Association, Dharwad and JSS College, Dharwad on 9th December 2005.
- 7.** Three days workshop on Radiation & Photochemistry held at the Homi Bhabha Centre for Science Education, Mumbai during January 2-4, 2006 under the auspices of ISRAPS & Radiation Photochemistry division BARC, Mumbai.
- 8.** Five-day Trombay Symposium on Radiation & Photochemistry (TSRP 2006) held during January 5-9, 2006 at Bhabha Atomic Research Centre, Trombay, Mumbai-400 085. India.
- 9.** UGC sponsored one State Level Seminar in Physics at Veerasaiva College, Bellary held on 22nd February 2006.
- 10.** One Day Seminar on “Higher Education –A Review” organized jointly by KUCTA, Hubli and JSS College, Dharwad on 30th May 2006.
- 11.** UGC sponsored Two Day National Seminar on Technology Enabled Teaching – Learning Process in Collegiate Education” organized by RBANM’s First Grade College, Bangalore during 11th & 12th October 2006.
- 12.** One Day seminar on “Challenges for Teachers in Evolving Democracy” organized jointly by KUCTA, Hubli and JSS College, Dharwad on 23rd December 2006.
- 13.** One Day State Level Seminar on “Astrophysics” held on 22nd September 2007 organized by Department of Physics and Electronics, Basaveshwar Science College, Bagalkot.
- 14.** NAAC sponsored Two Day National Seminar on “The Best Practices in Rural Degree Colleges for Quality Improvement & Sustenance” at New Arts College, Tikota during 3rd & 4th January 2008.
- 15.** Two day feedback workshop for B.Sc (Physics) curriculum revision held at IGNOU Regional Centre, CIT Campus Taramani, Chennai on 23rd & 24th Jan 2008.

16. One Day State Level Seminar on “Non-Conventional Energy Sources” organized by Karnatak University Physics Teachers forum and Department of Physics, J.T. College, Gadag on 12th March 2008.
17. Two Day International Colloquium on ‘Nano Technology’ organized by SDM College of Engineering & Technology, Dharwad held on July 8-9 2008 at Hotel Naveen, Hubli.
- 18 UGC sponsored Two Days National Seminar on “History of Sanskrit Dramaturgy” held on 26th and 27th September 2008 at JSS College, Dharwad.
19. Four days [January 7-10, 2009] –Eighth DAE-BRNS National Laser Symposium (NLS-08) organized at LASTEC, New Delhi, sponsored by Board of Research in Nuclear Science, Department of Atomic Energy Government of India & Indian Laser Association.
20. UGC sponsored Two Day National Seminar –on “Emerging Multidisciplinary Trends in Nano-Science and on 9th & 10th February 2009.
21. UGC sponsored Two Day National Seminar –on “Environmental Degradation; An eminent Challenge of 21st Century” on 3rd & 4th April 2009 at Mahantswamy Arts, Science and Commerce College, Haunsbhavi.
22. workshop on “NAAC Re-Accreditation Process” 21st May 2009, at J.S.S.College Dharwad.
23. workshop on “Nuclear Energy for 21st Century” at S.D.M. Engineering College Dharwad on 27th August 2009.
24. workshop on optoelectronics and Photonics held by IEEE Photonics society, Bangalore chapter at department of Physics, Karnatak University, Dharwad on 9th October 2010.
25. **K.H.Nagachandra** along with the students attended a **State level Astronomy Programme** held on 8th and 9th October 2010 at the Department of Physics, Karnatak University Dharwad.
26. **Dr. K.H. Nagachandra** attended a workshop on Pedagogical skills development at J.S.S. College Dharwad conducted by KHKCIIP on 22nd January 2012.
27. UGC sponsored workshop conducted by Botany department on 10th March 2012 and UGC sponsored workshop organized by Chemistry department on 14th February 2012 on Gas chromatography and its applications at J.S.S.College, Dharwad.
28. one day State level UGC-CPE workshop on **Microcontroller 8051** organized by Dept. of Electronics at JSS College, Dharwad on 3rd August 2013.
29. UGC sponsored two days national seminar on **“Yakshaganain the light of Sanskrit Dramaturgy”** held on 7th & 8th August 2013 at JSS College, Dharwad.

30. Department of Physics conducted UGC sponsored two days state level seminar on advanced in Nanodevices and application on 11th and 12th September 2014.
31. Two days National level lecture on Novel Materials conducted by Kadasiddeshwar Arts College and H.S. Kotambri Science Institute on 13th 14th February 2015.
32. **Dr. K.H.Nagachandra actively involved and participated** Department of physics conducted U.G.C- CPE sponsored one day state level seminar on National power sector Scenario and Challenges on 19th February 2015.
- 33 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.
34. National level conference on **energy crisis** sponsored by UGC on 13th and 14th August 2015 at G.S.S. College Belgaum.
35. U.G.C - CPE sponsored two days National level seminar on **'Photonics and its applications'** on 16th and 17th of September 2016.
36. UGC Sponsored National level conference along with 6 students on **"Advances in VLSI and Microelectronics"** on 2^{7th} January 2017, held at P.C Jabin Science College, Vidyanagar-Hubballi, India.
37. National Seminar on 2nd and 3rd March on Innovative **Curriculum for Student Employability and Global Competency** at P.C. Jabin Science College, Hubballi.
38. **"Being Masterful Teacher"** a powerful training program for TEACHERS under UGC-CPE II phase assistance organized in association with CONNECT, Dharwad at JSS College on 19-20 April 2017.
39. One Day Workshop on **"Frontier areas in Physical Science"** for college teachers, held by Vision Group on Science and Technology (VGST), Bangalore in association with Karnataka State Higher Education Academy, Dharwad on 12th December 2017 at the Higher Education Academy, Karnatak University, Dharwad.
40. Delegate in the One Day National Conference on **"INSTRUMENTAL METHODS OF ANALYSIS"** organized by DEPARTMENT OF UG & PG STUDIES IN PHYSICS &

ELECTRONICS at J.T College, Gadag on 29th September 2018 and has presented paper on **Nano characterization in textiles.**

41. UGC sponsored One day National Level Workshop on **“Professional Ethics and Values for Quality Enhancement”** on 3rd October, 2018 at P.C. Jabin Science College, Hubballi.

42. UGC Sponsored one day National Level workshop on **Professional Ethics and Values for quality enhancement** on 3rd October, 2018.

43. UGC-CPE 2nd Phase Sponsored, Two Days **“Teachers Training Program”**, at JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, Dharwad on 02-11-2018 and 03-11-2018.

44. UGC Sponsored National Conference on Advances in Nano Electronics and Material Science held on 12th March, 2019 organized by Department of Electronics at P.C.Jabin Science College. Hubballi.

45. **Dr. K.H. Nagachandra** attended a Orientation Programme on **“Implementing CBCS at Undergraduate Level”** which is organized by the UGC-Human Resource Department Centre, Karnatak University, Dharwad in collaboration with Karnatak University, Dharwad at Golden Jubilee Auditorium, Karnatak University, Dharwad on March 23, 2019.

46. one day **State Level Workshop on Teacher- An Architect of Knowledge Society** on the eve of Guruvandana -2019 held on **07/09/19** at KLE Technological University, Hubballi.

47. presented **two posters** in the **International conference on Atomic, Molecular, Optical and Nano Physics with Applications** held at Delhi Technological University during **18th - 20th December 2019.**

48. One Day National Level Workshop on **“AQAR-Writing and Submission in the light of Revised NAAC Guidelines** “sponsored by NAAC on 5th February 2020 at MASC-College,HAUNSBHAVI.

49. NAAC sponsored two days Multidisciplinary National Science seminar on **Quality Sustenance and Enhancement in higher Education: Challenges and Responsibilities of Stake holders** on 28th and 29th of February 2020 at Arts and Commerce College for Women-Hubballi.

50. One Day State Level Seminar on “ Nanotechnology-Today’s Need on 2nd March 2020 at MASC College –HAUNSBHAVI.