

Dr. Vadiraj B Tangod

Assistant Professor

Department of Physics

Shri Jagadguru Thontadarya Government First Grade College

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1. Educational Qualifications:

MSc (Physics, Solid State Physics): 1995:Karnatak University, Dharwad,

M.Phil : 1997: Karnatak University, Dharwad.

Ph.D.: 2015 : Karnatak University, Dharwad

SLET : 1995 : Government of Karnataka.

2. Date of Birth : 25.02.1972

3. Date of Appointment : 31.01.2008

4. Present Designation : Assistant Professor (Grade Level – 12)

5. Awards :3

Best Teacher: Taluka Level

Best Science Teacher : State Level, KRVP, Bengaluru

Best Academician : Savitri Bai Phule Award

6. Gold Medalist : For Securing Highest marks in the PG

7. No of Orientations :1

8. No of Refresher Courses : 3

9. No of STC and FDP's : 14

10.No of research papers presented in Seminars/ Conferences attended : 26

11.No of Research Papers Published in Peer Reviewed Journals : 21

12.Personal website

<https://vadirajtangod1.wixsite.com/physics>

13.Google Scholar :

<https://scholar.google.co.in/citations?user=r3KopsEAAAJ&hl=en>

List of Publications in peer reviewed journals :

Sl. No.	Title	Journals /Periodicals	ISSN/ ISBN No
1	Dynamical behavior of coumarin compounds in alcohol solvents	African Journal of Pure and Applied Chemistry Vol.4(4) 51-57, April,2010	1996-0840
2	Solvent effects and Photophysical studies of ADS560EI laser dye	African Journal of Pure and Applied Chemistry Vol.4(9) 188-197, Oct,2010	1996-0840
3	Ground and excited state dipole moments of coumarin 337 laser dye	Optics Communication 283(2010) 4289-4292	0030-4018
4	Fluorescence Quenching using Plasmonic gold nanoparticles	Optics Communication 284(2011) 4761-4765	0030-4018
5	Photophysical Studies of Silver Nanoparticles on ADS740WS fluorescent Laser dye	IEEE Explorer Optical Engineering (2012) 1-4	E-ISBN: 978-1-4673-2462-5 Print ISBN:978-1-4673-2461-8
6	Influence of metal nanoparticles on ADS560EI florescent laser dye	Optik- International Journal for light and Electron Optics 124(2013) 261-264	0030-4026
7	Solvent and Polarity Studies of Highly Flourescent Laser dye ADS740WS and Flourescen Quenching with Silver Nanoparticles	Canadian Journal of Physics 91(999)(2013)1-8	ISSN 0008-4204 online ISSN 1208-6041
8	Determiation of Extinction, Absorption and Scattering Coefficients of Gold Nanoparticles	Journal of Shivaji University (Science and Technology) 41(2) (2014-15) 1-2	0250-5347
9	Flourescence Enhancement of C314 Laser Dye Based on ICT between C314 Laser Dye and Green Synthesised Gold nanoparticles	IOSR Journal Applied Physics (IOSR-JAP) Volume 6, Issue 6, Ver III (Nov-Dec,2014),PP 43-47	e-ISSN 2278-4861
10	Photophysics Studies of Highly Fluorescent ADS680HO Laser Dye Conjugate with Green Silver Nanoparticles	Optik-International Journal for Light and Electron Optics	0030-4026
11	Studies of the Photophysics of highly fluorescent Red Mega 480 Laser dye in solutions: Steady state spectroscopy	Spectrochemica Acta Part A: Molecular and Biomolecular Spectroscopy 148 (2015) 105-113	1386-1425
12	Multimode Fiber Optic Sensor for Adulterant traces in Edible Oil using Nanotechnology technique	Materials Today Proceedings 4(2017) 11910-11914	2214-7853
13	Modulation of Gold Nanoparticles with ADS560EI Laser dye	Advances in Nano Electronics and Material Science- National	978-98-5851-055-8

		Conference	
14	The Effects of Gold Nano particles on the emission of Coumarin Laser Dye	2 nd National Conference on Nanomaterials and Nanotechnology at Univerisity of Lucknow, Uttarpradesh, India 21-23 Dec,2009	978-93-80043-61-6
15	Spectroscopic studies of Flourescent Red Mega 480 dye coupled with gold nanoparticles	National Conference on Nanoscience and Nano technology at B M Institute of Technology Bengaluru	978-81-928203 -2-3
16	Facile One-Step synthesis and characterization of water – soluble highly Luminescent CdTe Quantum Dots	DAE-BRNS 6 th Interdisciplinary Symposium on Materials Chemistry 6-10, Dec 2016, BARC MumbaiPage No 272-274	81-88-513-76-8
17	Mathematical analysis of COVID-19	Tumbe Group of International Journals A Peer Reviewed Multidisciplinary Journal Volume- 3 Issue-2 May- August: 2020	ISSN: 2581-8511
18	COVID-19: In Point View of Physics	Tumbe Group of International Journals A Peer Reviewed Multi disciplinary Journal Volume- 3 Issue-1 January-April: 2020	ISSN: 2581-8511
19	Study of Dielectric Properties of Silver Doped Polyaniline Composites	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume IX, Issue VII, July 2020	ISSN 2278-2540
20	Dipole moment Studies of Laser dye and Quenching studies when Conjugated with Green Silver Nanoparticles	International Conference on Advanced materials held at P C Jabin Science college on 20.7.2020 Conference Proceedings	ISBN No 9789354081552
21	Effect of Lockdown on Higher Education in the Wake of COVID-19 Epidemic: A Scientific Survey	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume IX, Issue X, October 2020	ISSN 2278-2540

List of Publications in Various National and International Conferences :

Sl. No	Title	Name of the Conference	ISSN/ ISBN No
1	The Effects of Gold Nano particles on the emission of Coumarin Laser Dye	2 nd National Conference on Nanomaterials and Nanotechnology at Univerisity of Lucknow, Uttarpradesh, India 21-23 Dec,2009	978-93-80043-61-6
2	The Effects of Gold Nano particles on th emission of Coumarin-30 Laser dye	97 th Indian Science Congress at Thiruvananthpuram, Kerala Jan 3 to 7, 2010	
3	Spectroscopic Studies of Fluorescent dye coupled with gold nanoparticles	International Conference on Nanotechnology and Medical Sciences (ICNAMS-2010) D.Y.Patil University, Kollhapur 21-23 Oct,2010	
4	Fluorescence Quantum yield Efficiency of ADS560EI laser dye in Gold Nanoparticles	2 nd DAE BRNS Symposium on Atomic Molecular and Optical Physics at Karnatak University, Dharwad. 22-25 Feb,2011 International Conference conducted by Indian Society for Atomic and Molecular Physics	
5	Optical Properties of Fluorescent dye coupled withgoldnanoparticles	98 th Indian Science Congress at Chennai 3-7, Jan 2011	
6	Photophysical Properties of coumarin 343 laser dye	99 th Indian Science Congress at KIIT University, Bhubaneshwar, Orissa 3-7 Jan 2012	
7	Photophysical Studies of Silver Nanoparticles on ADS740WS fluorescent Laser dye	IEEE Explorer Optical Engineering (2012) 1-4 (Print ISBN:978-1-4673-2461-8)	E-ISBN: 978-1-4673-2462-5
8	Determination of Extinction, Absorption and Scattering Coefficients of Gold nanoparticles	1 st International Conference on Physics of Materials and Materials based devices Fabrication at Shivaji University, Kolhapur 17-19, Jan, 2012	
9	Spectral Investigations of Coumarin 314 Laser Dye by Solvatochromism	100 th Indian Science Congress at Calcutta University, Kolkatta 3-7, Jan 2013	
10	Optical Properties of Fluorescent Red Mega 480 Laser dye coupled with Silver nanoparticles	101th Indian Science Congress held at University of Jammu 3-7 Feb 2014	
11	Spectroscopic studies of Flourescent Red Mega 480 dye	National Conference on Nanoscience and Nanotechnology at B M Institute of	978-81-928203-2-3

	coupled with gold nanoparticles	Technology Bengaluru	
12	Synthesis of Gold nanoparticles using Green nano technology	Indian Analytical Science Congress 2013 at Goa 15-17 th Aug 2013	
13	Fabrication of H ₂ O ₂ Electrochemical Sensor using Polymer-rGO Composite	7 th Bangalore India, Nano, Dec 5-6, 2014 International Conference	
14	Visible Region Spectroscopic Studies of Highly Fluorescent Red Mega480 Laser dye in Solutions	102 nd Indian Science Congress at University of Mumbai Jan 3-7, 2015	
15	Fluorescence Mechanism for Red Mega 480 Laser Dye Coupled with Nanotechnology	ICFC-2015 and Banaras Hindu University (BHU Varanasi, UP International Conference 8-12, Jan 2015	
16	Determination of Extinction Absorption and Scattering Coefficients of Silver nanoparticles using Mie's theory	103 rd Indian Science Congress, Mysore University, Mysuru 3-7, Jan 2016	
17	Multimode Fiber Optic Sensor for Adulterant traces in Edible Oil using Nanotechnology technique	International Conference on Nanotechnology (ICNANO-2016)	
18	Edible Oil Sensor to detect Adulterant traces based on Optical Fibre Technology	104 th Indian Science Congress Shri Venkateshwar University, Tirupati 3-7 th Jan 2017	
19	Bio Synthesis of Gold Nanoparticles using Domestica Leaf Extract in Aqueous Route	104 th Indian Science Congress Shri Venkateshwar University, Tirupati 3-7 th Jan 2017	
20	One Pot Facile Room temperature Synthesis of CdSe Quantum dots	International Conference on Material Science and Ionizing Radiation and Safety measures	
21	Facile One-Step synthesis and characterization of water – soluble highly Luminescent CdTe Quantum Dots	DAE-BRNS 6 th Interdisciplinary Symposium on Materials Chemistry 6-10, Dec 2016, BARC Mumbai Page No 272-274	81-88-513-76-8
22	Calculations of Extinction, Absorption and Scattering Coefficients of Silver Nanoparticles using Mie's theory	105 th Indian Science Congress Manipur University Imphal- International Conference	
23	Calculations of Extinction, Absorption and Scattering Coefficients of Silver Nanoparticles using Mie's theory	105 th Indian Science Congress Manipur University Imphal- International Conference 16-20, March 2018	-
24	Modulation of Gold Nanoparticles with ADS560EI Laser dye	Advances in Nano Electronics and Material Science- National Conference	978-98-5851-055-8

25	Spectroscopic Analysis of Highly Fluorescent dye ADS680HO in conjugate with Green Silver nano particles	107 th Indian Science Congress University of Agricultural Sciences Bengaluru- International Conference	
26	Spectroscopic Studies of Fluorescent Red Mega 480 Dye Coupled With Gold Nanoparticles	International Conference on Advances in Materials Science and Applications (Online) ICAMSA-2020	

List of Courses Orientation/ Refresher/ FDP attended:

Sl.No	Name of the Course/Summer School	Place	Duration	Sponsoring Authority
1	Orientation Programme	UGC's Academic Staff College, KU, Dharwad	28 Days From 19.8.2008 to 15.09.2008	UGC's Academic Staff College, Karnatak University, Dharwad
2	Refresher Course in Nanosciences	UGC's Academic Staff College, KU, Dharwad	21 Days From 21.12.2009 to 10.01.2010	UGC's Academic Staff College, Karnatak University, Dharwad
3	Refresher course in ICT	UGC's Academic Staff College, KU, Dharwad	21 Days From 11.12.2014 to 31.12.2014	UGC's Academic Staff College, Karnatak University, Dharwad
4	Life Skills training workshop/ National Institute of Mental Health & Neuro Sciences	Bengaluru	7 Days From 24.2.2019. To 2.3.2019	NIMHANS, Govt of Karnataka, Department of Collegiate Education
5	Faculty development Programme on Cyber Security	Shivaji University Kolhapur and J T College Gadag	7 Days From 16.9.2019. To 21.9.2019	Shivaji University Kolhapur, MHRD Govt of India and Pandit Madan Mohal Malviya National Mission of Teachers Teaching (PMMMNMTT)
6	Faculty Development Programme NPTEL online certification course on Solid State Physics	NPTEL online certification course of 12 weeks	July – Oct-2019	Indian Institute of Technology Kharagpur, NPTEL, online Certificate programme on

				SWAYAM platform
7	Faculty Development Programme NPTEL online certification course on Stress Management	NPTEL online certification course of 4 weeks	July – Aug-2019	Indian Institute of Technology Kharagpur, NPTEL, online Certificate programme on SWAYAM platform
8	Faculty Development Programme on 36 th Online Short Term course on “E-Content Development”	UGC’s Human Resource Development Centre, Gujarat University, Gujarat	28.5.2020 to 3.6.2020	UGC’s Human Resource Development Centre, Gujarat University, Gujarat
9	5 day online Intellectual Property Rights and Innovation Certificate Course	Bengaluru	5 Days From 16.4.2020. To 21.4.2020	Karnataka State Council for Science & Technology (KSCST) Indian Institute of Science Campus, Bangalore In association with Cell for IPR Promotion and Management (CIPAM) Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India
10	Two Weeks LaTeX FDP programme	GIET University, Gunupur, Rayagada	15 days From 15.4.2020 To 30.4.2020	Spoken-tutorial Powered by Ministry of Human Resources and Development Government of India
11	International Webinar and online FDP on “Usage of ICT Tools for Effective Learning and Evolution”	ST.Joseph’s Degree and PG College Autonomous, Kingkoti, Hyderabad	5 days 1.6.2020 to 5.6.2020	ST.Joseph’s Degree and PG College Autonomous, Kingkoti, Hyderabad
12	Two Week State level online faculty Development Programme on “Information and Communication Technology Usage in	Government First Grade College Bantawal, Tq : Dakshnina Kannada	30.5.2020 to 12.6.2020	Government of Karnataka, Department of Collegiate Education, Government First Grade College Bantawal, Tq :

	Teaching”			Dakshnina Kannada
13	One Week Short term course on online national level Computer Literacy Programme which includes Fundamentals of Computing & Information Technology	Department of Computer Science Government First Grade College, Harihara	18.5.2020 to 24.05.2020	Department of Collegiate Education Government First Grade College Harihara
14	Eight Weeks course on “Learning Physics Through Simple Experiments”	Centre for Continuing Education Indian Institute of Technology Kanpur	2.4.2020 to 10.6.2020	Centre for Continuing Education Indian Institute of Technology Kanpur
15	Short term course on ExpEYES	Teaching and Learning Centre & Faculty Development Centre PMMMNMNTT and Spoken Tutorial IIT-Bombay	10 Days 3.7.2020 to 12.7.2020	Government First Grade College Harihar
16	Two Week Faculty Development Programme on Multimedia and Drawing	Spoken Tutorial, IIT-Bombay, MHRD with PMMMNMNTT	Two weeks 3.6.2020 to 16.6.2020	Government First Grade College Harihar
17	7-Day Faculty Development Programme on Institutional Benchmarking of Best Practices	Dnyan Prabodhini Mandal’s Shree Mallikarjun & Shri Chetan Manju Desai College, Canacona	8.6.2020 to 14.6.2020	Dnyan Prabodhini Mandal’s Shree Mallikarjun & Shri Chetan Manju Desai College, Canacona
18	One Week Virtual Faculty Development Programme for University and College Teachers on “New Paradigms in Higher Education in India”	Karnatak University Dharwad	2.11.2020 to 7.11.2020	HRDC and IQAC cell of Karnatak University, Dharwad