



Dr. Vijay H. Ghadage
Head, Department of Physics

BIODATA

Date: 10/01/2024

- 1) Name: Dr. Vijay Hanumant Ghadage
- 2) Qualification: M.Sc, Ph.D (Physics)
- 3) Percentage of Marks: B.Sc (First class with Distinction), 81.33%, 1993
M.Sc, (First Class.), 60.16% , 1995
- 4) Present Position: Associate Professor,
Head, Department of Physics, Baburaoji Gholap College,
Sangvi, Pune-411027
Ex- Head, Department of Physics,
Anantrao Pawar College, Pirangut,
Pune-412115 Tal. Mulshi (1st August 2013 to 31st March 2021)
- 5) Birth Date: 03/06/1972
- 6) Nationality: Indian
- 7) Teaching Experience: 28 years (Undergraduate experience= 28 years)
(Post graduate = 14years) and Research Experience=15 Years.

8) Date of appointment: 12/09/1995 (Part Time) and 12/08/1996(Full Time)

9) Paper Taught: (1995 to 2024)

Sr.No	Class (B.Sc)	Name of the Paper taught
1)	F.Y B.Sc	Optics, Modern Physics, Mechanics and Properties of matter, Thermodynamics, Biophysics (Neuron, action potential), Electricity and Magnetism, Physics Principles and Applications
2	S.Y.B.Sc	Mathematical Physics, Electricity and magnetism, Optics, Waves Oscillation and Sound, Electronics.
3	T.Y. B.Sc	Classical Mechanics, Classical Electrodynamics, Thermodynamics and Statistical Physics, Laser, Quantum Mechanics, Nuclear Physics, Atomic and Molecular Spectroscopy, Solid State Physics, Medical Electronics and Biophysics.,Biomedical Instrumentation.
4	F.Y., S.,Y, T.Y B.Sc	Practical, General Physics, Practical Course 3A and 3B (T.Y.B.Sc Physics) Electronics.
5	M.Sc- I	Classical Mechanics, Electrodynamics.
6	M.Sc- II	Nuclear Physics, Solid State Physics, Biomedical Instrumentation I and II.
7	M.Sc I & II	Biophysics Practical, General Physics.

10) Participated in National and International Conference.

Details about Seminar/ Workshop/ Conference attended.

[Level: International/ National/ State/University / District]

Sr no	Title	Seminar/Workshop/Conference	Name of the Institute	Period	Level
1)	Interdisciplinary National Conference on Einstein's theory of Relativity.	Conference	S.P. College, Pune	8,9,10 th December 2005.	University (National)
2)	Syllabus Framing for T.Y. B.Sc (Physics)	Workshop	Department of Physics, University of Pune, Pune.	20 th and 21 st February, 2004.	University
3)	New Syllabus for T.Y. B.Sc (Physics)	Workshop	Department of Physics, Mhatma Phule College,Pimpri	30 th December 2003.	University
4)	Feedback Regarding restructured Syllabus in the physics at S.Y. B.SC	Seminar	Balasaheb Jadhav A.C.S. college, Ale Tal. Junnar, Pune.	10 th October 2003.	University

5)	“ Recent Trends in Physics”	Workshop	Balasaheb Jadhav A.C.S. college, Ale Tal. Junnar, Pune.	6 th and 7 th January 2006.	University
6)	Revised syllabus of T.Y. B.Sc (Physics)	Workshop	Modern College of A.S&C, Shivajinagar, Pune-05	4 th September 1997.	University
7)	National Conference on Developments in Electronic Materials and Their applications	Conference	Shivaji University, Kolhapur	6,7 and 8 th March 1995.	National
8)	Syllabus framing of B.Sc Physics and Project Work.	Seminar	Karmaveer Ramraoji Aher C.DeolaNashik	20 th January 2007	University
9)	Computational Physics based on ‘C’ Programming.	Seminar	F.C. College, Pune	22 nd July 2006	University
10)	One day workshop on M.Sc-I syllabi Revision.	Workshop	F.C. College, Pune	10 th December 2007	University
11)	One day workshop on F.Y. B.Sc Syllabus	Workshop	Abasaheb Garwarwe	13 th August	University

	Revision.		College, Pune	2008	
12)	One day seminar on Recent trends in Mathematics	Seminar	Baburaoji Gholap College, Sangvi.	4 th Feb. 2012	University
12)	International Conference on laser Advances in Science Engineering and Research	Conference	M.S. Ramaiah Institute of technology, Bangalore-560054.	8-10 th June 2012	International
13)	One day workshop on credit system for Postgraduate Programme	Workshop	Haribhai V. Desai College, Pune	20 th April 2013	University
14)	One day workshop on for “Graduation Ceremony”	Workshop	Modern College, Pune	13 th January 2016	University

11) Details about Seminar/ Workshop/ Conference / etc.Organized.

Sr no	Title	Seminar /Workshop/ Conference	Name of the Institute	Period	Level
1)	“ Revamping of science Education”	Conference	Baburaoji Gholap College, Sangvi, Pune-411027	5 th -6 th December 2003.	National
2)	“ Remembering	Seminar	Baburaoji Gholap College, Sangvi, Pune-	21 st January	Quality improvement

	Einstein”		411027	2006.	Programme, University of Pune.
3)	“ Innovative Teaching in Physics”	Seminar	Baburaoji Gholap College, Sangvi, Pune- 411027	15 th February 2001.	Quality improvement Programme, University of Pune.
4)	Zonal Level Avishkar Competition.	Workshop	Baburaoji Gholap college, sangvi, Pune- 27	24/09/08	University
5)	State level seminar on Emerging Trends in Physics	Seminar	Anantrao pawar College Pirangut Pune.	06-7 th Feb. 2015	State

12) Details about Refresher course/ Orientation course completed.

Sr.no	Refresher/Orientation Course	Name of the Course	Name of the Institution	Period
1)	Refresher Course	Experimental Physics	Department of Physics, University of Pune, Pune	3-9-1999 to 30-9-1999.
2)	Orientation Course	General	University of Pune, Pune. Academic Staff College, Pune-411007.	04-03-2002 to 30- 03-2002.
3)	Refresher Course	Physics	Department of Physics,	03-03-05 to

			University of Pune, Pune	23-03-05
4)	Refresher Course	Environmental Education (Physics)	University of Pune, Pune-411007.	04/04/07 to 24/04/07
5)	Refresher Course	Experimental Physics	V.P. College, Baramati. University of Pune, Pune-411007.	14/05/2013 to 29/05/2013
6)	Refresher Course	Experimental Physics	Indian Academy of Science, Bangalore, Indian National science Academy, New Delhi, The National Academy of Science, Allahabad and Vidya Pratishthan's Arts, Science and Commerce College, Baramati.	14/05/2013 to 29/05/2013.
7	Short Term Faculty Development Programme	Active learning in optics and Photonics (Physics)	Defense Insitute of Advanced Technology, Girinagar,Pune under MHRD,UGC, S.P. Pune university,Pune.	08/12/2019 to 13/12/2019
8	UGC Paramarsh and Stride faculty Development programme	"ICT in Teaching &Evaluation"	ShivajiCollege,Parbhani under UGC parmash.	13/07/2020 to 18/07/2020

9	Faculty Development Programme	One week Pedagogical Training for Teachers on Tools for online Teaching and Evaluation	Swami RamanandTeerth marath wadaUniversity,Nanded	01/07/2020 to 06/07/2020
10	Faculty Development Programme	One Week Faculty Development Programme on Nanomaterials Characterization Techniques and Result Analysis Methodology: Ideas, Innovations and Initiations (Physics)	Arts Commerce and Science college, Sangamner under MHRD , S.P. Pune University, Pune.	27/07/2020 to 31/07/2020
11	Faculty Development Programme	One week e content development Faculty Development Programme	Teaching Learning Center, Ramanujan College, New Delhi and under the aegis of University of Delhi, Ministry of Education (Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching)	20/08/2022 to 26/08/2022 Grade:A+
12	Refresher Course In Physics	Online Two week Refresher Course in Physics	Teaching Learning Center, Ramanujan College, New Delhi and under the aegis of University of Delhi, Ministry of Education (Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching)	31/10/2022 to 14/11/2022 Grade:A+
13	Faculty Development Programme	One week academic Research Writing Faculty Development Programme	Teaching Learning Center, Ramanujan College, New Delhi and under the aegis of University of Delhi, Ministry of Education (01/01/2024 to 07/01/2024 Grade:A

			Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching)	
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13) Details regarding work done as **Sr. supervisor/Squad/ Examiner**, Custodian at university level examinations.

Sr. No.	Name of the Examination	Name of the Institute	Period	Nature of Appointment
1)	F.Y/ S.Y/ T.Y B.C.S	Dr. D.Y. Patil Science (B.C.S.) college, Akurdi.	13 th October to 21 st October 2005	External Senior Supervisor
2)	B.Sc, B.Com, B.C.S & B.A	Abeda Inamdar Sr. College for girls, Pune.	12 th April 2006 to 26 th April 2006.	External Senior Supervisor.
3)	B.B.A, M.B.A	Novel Institute of Business Management and Research, Nigdi	4 th May 2007 to 19 th May 2007	External Senior Supervisor.
4)	L.L.B, B.S.L	Balaji Law College, Pune- 411048	20 th April 2005 to 02 May 2005	External Senior Supervisor.
5)	M.Sc (Computer Science), M.C.S	Dr. D.Y. Patil A.C.S. College, Pimpri, Pune- 411018	02 nd December 2004 to 16 th Dec. 2004	External Senior Supervisor.
6)	F.Y/ S.Y/ T.Y B.C.S	Dr. D.Y. Patil Science (B.C.S.) college, Akurdi	23 October 2004 to 06 Nov. 2004.	External Senior Supervisor.
7)	University Examination Squad (Pune and Rural area	18 th may 1998 to 27 th May 1998.	Squad

	Undergraduate and Post graduate Examination)			
8)	University Examination Squad (Undergraduate and Post graduate Examination)	Pune and Rural area	17 th May 1999 to 31 st May 1999	Squad
9)	M.A.	Garware College of Commerce, Karve Road, Pune-411004.	21 st May 2002 to 5 th June 2002	External Senior Supervisor.
10)	B.C.A, B.B.A, M.C.A & M.Sc (Computer Science)	Dr. D.Y. Patil Arts, Commerce and Science College, Pimpri , Pune-18	2 nd December 2004 to 18 th December 2004.	External Senior Supervisor.
11)	B.A,B.Com, B.Sc, B.C.A, M.C.A, M.A	University of Pune, Baburaoji Gholap college, Sangvi.	07/11/12 to 10/11/12, 19/11/12 to 26/11/12	Internal Senior Supervisor
12)	B.A and B.Com (Term End Examination) 2015	Anantrao pawar College Pirangut, Pune. Custodian and CEO	30/09/2015 to 12/10/2015	University
13)	B.A/B.COM/B.SC (University Examination) 2015	Anantrao pawar College Pirangut, Pune. Custodian and CEO	08/10/2015 to 31/10/2015	University

14)	B.A/B.COM/B.SC (University Examination)2015	Anantrao pawar College Pirangut, Pune. Custodian and CEO	01/11/2015 to 06/11/2015	University
15)	M.Com Part I and II (University Examination)2015	Anantrao pawar College Pirangut, Pune. Custodian and CEO	01/12/2015 to 05/12/2015	University
16)	BSC and BSC (CS) Internal Examination 2016	Anantrao pawar College Pirangut, Pune. Custodian and CEO	24/02/2016 to 26/02/2016	University
17)	B.Sc/BA/B.COM University Examination March/April 2016	Anantrao pawar College Pirangut, Pune. Custodian and CEO	22/03/2016 to 04/04/2016	University
18)	B.Sc/B.Sc (CS) and B.B.A (Computer Application) University Examination March/April 2016	Anantrao pawar College Pirangut, Pune. Custodian and CEO	21/04/2016 to 02/05/2016	University
19)	M.Com, M.Sc and B.Sc University Examination	Anantrao pawar College Pirangut, Pune. Custodian and CEO	16/05/2016 to 25/05/2016	University

	March/April 2016			
20)	Cap for F.Y. B.A, F.Y. B.Com, F.Y. B.Sc, F.Y. B.Sc (Computer Science),	Anantrao pawar College Pirangut, Pune. Asst. Cap Director	30/11/2015	University
21)	Cap for FY/SYB.Sc Physics Moderator	Baburaoji Gholap College, Sangvi, Pune-411027	30/07/22,04/08/2 022, 02/09/22 and 03/09/22	University
22)	CAP TYBSC Physics (Moderator)	Dr.D.Y.Patil College,Pimpri	30/12/2023 to 31/12/2023	University

14) Details regarding work done as paper setter/ Examiner at university level examinations

Sr. No.	Name of the Examination	Subject	Class	Semester
1)	Semester I (Central assessment Programme)	Physics	S.Y. B.SC	I (15/11/06)
2)	Semester I and II (Central assessment Programme)	Physics	S.Y.B.Sc	I & II 20/05/2005

3)	Semester II (Central assessment Programme)	Physics	S.Y. B.SC	II (20/05/2007)
4)	Central assessment Programme	Physics	S.Y. B.SC	09/11/2005
5)	Practical Examiner	Physics	1)S.Y.B.Sc, B.J.S. College, Wagholi 2) Spicer college, Pune	28,29 march 2005 30/03/2005
6)	Practical Examiner	Physics	H.R. College, Khed, Rajgurunagar.	19,20,21 march 2004
7)	Central assessment Programme	Physics	T.Y.B.Sc Nowrosjee Wadia College, Pune-01	30 th April 2000 to 4 th may 2000
8)	Practical Examiner	Physics	Sadhana A.C.S , College, Hadapsar (S.Y.B.Sc)	09 th May 2001 to 10 th April 2001
9)	Practical Examiner	Physics	Anantrao Thopate College, Bhore.	7 th & 8 th April 2001.
10)	M.Sc (Physics)	Central assessment Programme, University Of Pune,	30 th May 2012 to 2 nd June 2012.	Examiner

		Pune-411007		
11)	M.Sc (Physics)	Central assessment Programme, University Of Pune, Pune-411007	12 th Dec. 2012 to 22 nd Dec. 2012	Examiner
12)	M.Sc (Physics)	Central assessment Programme, University Of Pune, Pune-411007	6 th June 2013 to 13 th June 2013	Examiner
13)	T.Y. B.Sc (Physics)	Paper setter at S.P. Pune University, Pune.	21 st August 2014 to 23 rd August 2014.	Paper Setter.
14)	University of Pune theory Examination 2013.	Anantrao pawar College Pirangut, Pune.	08.10.2013 to 19.10.2013	Internal Senior Supervisor.
15)	S.Y. B.Sc (Physics)	Paper setter at S.P. Pune University, Pune.	27 th January 2015 to 29 th January 2015.	Paper Setter. (Sem. II)
16)	S.Y. B.Sc (Physics)	Paper setter at S.P. Pune University, Pune.	07/08/2015 to 10/08/2015 (Sem I) 30/01/2016, 31/01/2016 and 01/02/2016 (SemII)	Paper Setter. (Sem.I and II)

17)	S.Y. B.Sc (Physics)	Moderator of S.Y. B.Sc Physics examinations November 2015. Nowrosjee Wadia College,Pune	20/11/2015 to 29/11/2015	SEM I
18)	TYBSC (Physics)	Practical Examiner at Dr.D.Y.Patill College,Akurdi-44	29/12/2022 to 30/12/2022	SEM V (2019 Patteren)
19)	TYBSC Physics	Paper Setter at S.P. Pune University, Pune	20/09/2020	SEM V and VI (2019 Pattern)
20)	TYBSC Physics	Paper Setter at S.P. Pune University, Pune	01/08/2022	SEM V and VI (2019 Pattern)
21)	TYBSC Physics University Appointment Letter :22211281	Paper Setter at S.P. Pune University, Pune	17.11.2022 to 19.11.2022	SEM V and VI (2019 Pattern)
22)	TYBSC Physics Moderator	S.P. Pune University, Pune Dr.D.Y.Patill College,Akurdi-44	01/08/2022 to 23/08/2022	SEM V and VI (2019 Pattern)

15) Details about Lectures Delivered.

Sr. No.	Topic	Name of the	Occasion	Date	Place
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		Institution			
1)	Personality Development through N.S.S	Apasaheb Jedhe, College, Pune.	N.S.S. Camp.	30/11/07	Bori Pardhi Dist. Pune
2)	Today's Youth	Arts, Science and Commerce College, Pirangut, Pune	N.S.S. Camp	12/11/2009	Pirangut
3)	Lecture delivered on topic Electricity and Magnetism	Arts, Science and Commerce College, Pirangut, Pune	F.Y.B.Sc (Physics)	14/08/2009	Pirangut
4)	NSS Lecture delivered on topic "Conventional Source of Energy"	Anantrao pawar College Pirangut, Pune.	NSS students	20/12/2020	Shileshwar Tal. Mulshi, Dist. Pune.

16) Details about Seminar/ Workshop/ Conference/ symposia attended.

[Level: International/ National/ State/University / District]

I have participated in the following Seminars, workshops, Conferences and Symposium.

Sr. No.	Title	Seminar/ Workshop/	Name of the Institute	Period	Level

		Conference			
1)	“National Conference on Signal and Image Processing Applications”	Workshop	IET (UK), Mumbai Network and College of Engineering, Pune-5	19-20 th September 2009.	National
2)	“University Research Project Competition For Doctoral Students”	Competition	University Of Pune Board of College & University Development (BCUD)	30-31 December 2009	University
3)	1) Symposium on Recent Trends in Biophysics 2) Workshop on Emerging Techniques of Biophysics	Symposium Workshop	Department of Physics, Banarus Hindu University, Varanasi.	1)13-15 th February, 2010. 2)16 th February, 2010.	International International

4)	Raman Memorial Conference	Conference	Department of Physics, University of Pune, Pune-411007	24- 25 th Feb.2010	National
5)	“University Research Project Competition For Doctoral Students”	Competition	University Of Pune Board of College & University Development (BCUD)	23 rd December 2011	University
6)	“University Research Project Competition For Doctoral Students”	Competition	University Of Pune Board of College & University Development (BCUD), Baburaoji Gholap College, Sangvi.	15-16 Dec. 2011	University
7)	Recent Trends in Biophysics and Medical Electronics	Conference	K.J. Somaiya College, Kopargaon and B.C.U.D. University of Pune, Pune-411007.	10 th and 11 th Feb. 2012	State
8)	Raman Memorial Conference	Conference	Department of Physics, University of Pune, Pune-411007	22- 23 th Feb.2013	National

9)	Radio Telescope and Application	Workshop	PDEA's Annasaheb Waghire College, Otur and Giant Meter Radio Telescope (GMRT), Khodad.	2 nd Feb. 2013	University
10)	Restructuring of F.Y. B.Sc. Physics Syllabus	Workshop	PDEA's Prof. Ramkrishna More college, Akurdi, Pune-44.	12 th Feb. 2013	University
11)	Clear Your Concepts	Workshop	Baburaoji Gholap College, Sangvi, Indian Physics Association (Pune Chapter) and Department of Student Welfare	12 th January 2013 (Youth Day)	University
12)	One day workshop on Credit System	Workshop	H.V. Desai College, Pune.	20 th April 2013	University.
13)	National Conference on Recent trends in Physics	Conference	Yashwantrao Chavan Institute of Science, Satara	10-11 th October 2014.	National Conference
14)	National Conference on "Advanced Materials Technology , Applications and Education"[AMTAE	Conference	B.J. College, Ale and S.P. Pune University, Pune .	16 th October 2021	National Conference

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2) Details about Research Paper published/ **Oral presentation/Paper presentation..**

Sr. No.	Title	Name of the Journal/ Conference	Month& year	Level
1)	Effect of Nd:YAG laser irradiation on RBC	International Conference on “Biology Beyond Borders”	March 4-5,2010	International
2)	Study of Fourier transform infrared spectra of cockroach nervous tissue and chitin.	“Optical Interactions with Tissue and Cells XXII”, Proceeding of SPIE, BIOS, San Francisco, California, USA	January 21-26, 2012	International
3)	Effect of Nd:YAG laser irradiation on RBC	International Conference on “Biology Beyond Borders”	March 4-5,2010	International
4)	Study of HeNe laser irradiation on cockroach nervous tissue and chitin	Ramaiah Institute of Technology, Bangalore. “Light for life”.	June 8-10, 2012	International
05)	To study the effect of HeNe laser radiation on blood samples on normal human subject using	Yashwantrao Chavan Institute of Science, Satara	10-11 th October 2014.	National Conference

	spectroscopic techniques.			
06)	National Conference on Emerging Trends in Lasers and Advanced Materials	Abasaheb Garware College, Pune-411004.	28-29 th October 2013.	National Conference
07)	To study the effect of HeNe laser radiation on blood samples of normal and diabetic human subject using spectroscopic techniques.	University of Pune, BCUD Innovation - 2014. H.V. Desai College Pune.	26 th June 2014.	Regional Research conference
08)	Cluster Fig leaves derived carbon for supercapacitor applications (Poster Presentation) Swapnil R. Bhosale, Lina N. Khandare, Vijay Ghadage and Nandu Chaure	7th international Conference on Nanoscience and Nanotechnology (ICONN-2023), Department of Physics and Nanotechnology, SRM Nagar, Kattankulathur-603203, Chennai, Tamilnadu, India.	27-29 March 2023	International conference

17) Details about resource person/chairman at university/state/national /International level

Sr. No.	Name	Resource Person/Chairman	Topics/Place	Period	Level
1)	Dr. Vijay H. Ghadage	Resource Person	Recent trends in Material Science and Applied Physics Hutatma Rajguru Mahavidyalaya	05/01/2016	State level Seminar

			Rajgurunagar, Pune-410505		
2)	Dr. Vijay H. Ghadage	Chairman SYBSC Physics	Fergusson College Pune	04/05/16 to 30/05/16	University

18) Details about **Research Paper published**/ Oral presentation.

Sr. No.	Title	Name of the Journal/ Conference	Month& year	Level
1)	Effect of Nd:YAG laser irradiation on RBC	International Conference on “Biology Beyond Borders”	March 4-5,2010	International

I have participated in the following Seminars, workshops, Conferences and Symposium.

Sr. No.	Title	Seminar/ Workshop/ Conference	Name of the Institute	Period	Level
1)	National Seminar on Nanomaterials for Devices: Characterization and Applications	Seminar	Department of Physics, University of Pune, Pune-411007 and Dept. of Applied Physics, Defense Institute of Advanced	24-26 June , 2010	National

			Technology, Pune		
2)	Raman Memorial Conference	Conference	Department of Physics, University of Pune, Pune-411007	25-26 th Feb.2011	National
3)	National workshop on “ Scanning probe Microscopy: Techniques and Applications”	Workshop	Centre for Advanced studies in Material science and condensed matter Physics, Department of Physics, University of Pune, Pune-411007	11-12 March, 2011	National
4)	State Level Seminar on Career Guidance	Seminar	PDEA’S, Baburaoji Gholap College, Sangvi, pune-411007	11-12 February 2011	State

5)	Workshop on Energy Generation and Conservation	Workshop	Board of student welfare and physics of Pune University, "Samarth Bharat Abiyan"	10 th January 2009	University
6)	Recent Trends In Mathematics and Statistics	Seminar	PDEA'S, Baburaoji Gholap College, Sangvi, pune-411007	4 th February 2012	University
7)	Light for Life	Conference	Ramaiah Institute of Technology, Bangalore	June 8-10, 2012	International

2) Details about poster presentation (International conference)

Sr. No.	Title	Name of the Journal/ Conference	Name of the Institute	Month& year	Level
1)	Effect of laser radiation on	International Conference on	Center for Interdisciplinary	October	International

	human RBC using Fourier Transform Infrared Spectroscopy.	“Nanotechnology and Medical Sciences”	Research, D.Y. Patil University, Kolhapur (India)	21-23, 2010	
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Research Paper Publication:

Research Publications: (International Journal)

1. VijayGhadage, G.R. Kulkarni, “Effects of Nd: YAG laser irradiation on human erythrocytes in vitro,”(2010), International Journal of Integrative Biology (IJIB, ISSN, 0973-8363). Vol.09, No.3, 148-150. S148-S150. Peer Reviewed/UGC listed/ impact factor :2.
2. V.H. Ghadage, G.R kulkarni& B.N Zaware, “He-Ne laser irradiation of blood in vitro and FTIR spectral Analysis,”(2015), International Journal of Chemical and Physical Sciences, ISSN: 2319-6602, Vol.4, pg.148-153. Peer Reviewed/UGC listed/ Impact factor :1.815.
3. Vijay H.Ghadage, Gauri R. Kulkarni, Study of heNe laser irradiation on chitin using FTIR spectroscopy. (2013). Bionano Frontier Vol. 6(4), ISSN 0974-0678. Peer Reviewed/UGC listed/ Impact factor :2
4. Ghadage Vijay H. “Study of Laser Radiation Effects on Diabetic Human Blood Using FTIR Spectroscopic Techniques”(2018). International Research Journal of Science and Engineering,ISSN:2322-0015,Special issue A2:183-186. Peer Reviewed/UGC listed/ Impact factor :4.115
5. S.A. Lokare,V.H. Ghadage, Studies of Dielectric Properties of Ni_{0.9}Co_{0.05}Mn_{0.05}Fe₂O₄ Ferrite”(2018). Published an International Conference on Nanotechnology for Human Welfare, ISBN:978-93-87317-98-7 Page259-260.
6. Vijay Hanumant Ghadage, ”Study the effect of Helium-Neon(He-Ne) laser radiation on normal human WBC in vitro using FTIR Spectroscopic techniques”(2018). International Journal of Basic and Applied Research, Pragati publication(West Bengal),ISSN 2249-3352(P) 2278-0505(E), Cosmos impact factor:5.86,PP:1-10. Peer Reviewed/UGC listed/ Cosmos Impact factor :5.86
7. V.H.Ghadage, Study the Effects of Helium-Neon(He-Ne) Laser Irradiation on Normal Blood in vitro using FTIR Techniques”1Aug. 2018, International Organization of Scientific Research,

Journal of Pharmacy and Biological Sciences (IOSR-JPBS),e-ISSN:2278-3008,P-ISSN:2339-7676,13(4),PP1-05. Peer Reviewed/UGC listed/ Cosmos Impact factor :3.83

8. Vijay H.Ghadage ,Gauri R. Kulkarni, Effects of HeNe laser irradiation on Red Blood Cells in vitro. Optical Interactions with Tissue and Cells XXII(2011). SPIE, BIOS, San Francisco, California, USA, Vol. 7897, 789701-789710. Peer Reviewed 1.13

9. Vijay H.Ghadage, ,Gauri R. Kulkarni, Sudha V. Bhoraskar, Study of Fourier transform infrared spectra of cockroach nervous tissue and chitin. "Optical Interactions with Tissue and Cells XXII", Proceeding of SPIE, BIOS, San Francisco, California, USA, Vol. 8221, 8223101-822109.(2012). SPIE, BIOS, San Francisco, California, USA, Vol. 8221, 8223101-822109, Peer Reviewed1.13

10. Deepa V.Bhalerao,P.B. cholke,Ghadage V.H, Medicinal Values of Ciscus quadrangularis Linn:A Review(2019-2020), Journal of emerging Technologies and Innovative ResearchISSN Number :2349-5162, Peer Reviewed/UGC listed Impact factor:5.87

11. S.G. kakade,O.A. Ramdasi, Ghadage V.H., Relative study of Surface tension with the effect of impurities and temperature, Journal of emerging Technologies and Innovative Research(2019-2020), ISSN Number :2349-5162, Peer Reviewed/UGC listed, Impact factor:5.87.

19) Extracurricular Activities: National Service Scheme

1) Details about Refresher course/ **Orientation course** completed.

Sr. No.	Name of the Course	Name of the Institution	Period
1)	National Service Scheme	NSS Training and Orientation Centre, Ahmednagar.	22/08/07 to 31/08/07
2)	Environmental Education	University of Pune, Pune-411007.(National Service Scheme)	04/04/07 to 24/04/07

2) Details about Seminar/ Workshop/ Conference attended.

[Level: International/ National/ State/University / District]

Sr. No.	Title	Seminar/ Workshop/ Conference	Name of the Institute	Period	Level
1)	Training programme of communal harmony	Conference	Yashwantrao Chavan Academy of Development Administration, Pune	24/03/08 to 26/03/08	State
2)	National Service scheme	Workshop	A.S.C. College, Newasa.Dist. Ahmednagar	27, 28 th Feb. 2008	University
3)	Aids Awareness workshop and Adolescent Quiz	Workshop	University of Pune.(National Service Scheme)	8 th February 2007	State
4)	Annual Planning and water, Energy and Swachatya Abhiyan	Workshop	M.N. Deshmukh college, Rajur. Dist. Ahmednagar	4 th to 6 th July, 2008.	University

Achievement of NSS Programme Officer:

- 1) Mr. Ghadage V.H. NSS programme officer has been selected as a member of organization committee for 12th national Youth Festival had organized by government of India, Ministry of Youth Affairs and sports, New Delhi, Government of Maharashtra and N.S.S regional cell, Pune on 10th January 2007 to 16th January 2007.
- 2) I worked as a Presiding officer for Zilha parishad and Panchayat Samiti election Tal. Haveli Dist. Pune on 11th February 2007.
- 3) Mr. Ghadage V.H. NSS programme officer has been selected for Pune district zone National Service Scheme, University of Pune, Pune-411007 to attend “Training programme of communal Harmony” had organized by yashwantrao Chavan Academy of development Adminstration Pune on 24th March 2008 to 26th march 2008.
- 4) I organized blood donation camp for four years in the college. Therefore, Aundh Hospital, Aundh awarded one certificate and trophy to NSS Programme Officer Mr. Ghadage V.H.
- 5) I organized one day free medical checkup camp and blood donation camp for NSS Volunteers, in collaboration with Pune Chest hospital and Baburaoji Gholap College, Sangvi, Pune -411027 on 30th July 2008.
- 6) Best teacher awards: 5th September 2010, Pimpri Chinchwad Municipal Corporation, Pimpri, Pune-411033.
- 7) NSS programme officer from 2005 to 2009 at Baburaoji Gholap College, Sangvi, Pune-411027. University of Pune, NSS Certificate is attached.
- 8) Worked as a Coordinator of Science Exhibition on the occasion for celebrate the Birthday anniversary of Hon. Sharad Chandarji Pawar Saheb on 10th and 12 th December 2013,2014 and 2015 at Anantrao Pawar college pirangut, Pune.

- 09) Worked as a Coordinator of Drawing and poster Competition on the occasion for celebrate the Birthday anniversary of Hon. Ajit Dada Pawar Saheb(President, Pune Distict Education Association, Pune) on 22nd July 2014 and 2015 at Anantrao Pawar college pirangut, Pune.
- 10) Dr. Vijay H. Ghadage has delivered lecture on topic Personality Development under the Soft skill Development Programme on 18/01/2014 at Anantrao Pawar college pirangut, Pune.
- 11) Worked as a Coordinator of Cultural Committee at Anantrao Pawar college pirangut, Pune.
- 12) Delivered lecture on topic Student Personality Development and Chief Guest of one day workshop at Rajmata Jijau Shikshan Prasarak mandal's Arts, Commerce and Science College, Bhosari, Pune on 10/02/2014.
- 13) I have working as College Examination Officer on 13th July 2015 at Anantrao Pawar College, Pirangut, Tal. Mulshi, Dist. Pune.
- 14) Worked as a Chairman of S.Y.B.SC Physics Cap at Fergusson College, Pune.
- 15) Worked as a Paper setter for TYBSC Physics examination from 2016 to 2023.

Board of Student Development

1) Conducted various Programme under Board of Student Development , S.P. Pune University Pune such vaccination Drive, Skill Enhancement Workshop for college Students, Nirbhay kanya Abhiyan etc for the year 2018 to 2023.

2) Working as a Board of student Development officer from 2018 to 2023 at Baburaoji Gholap College, Sangvi, Pune-411027.

Research Experience:15 Years

Research Students: 03 Students pursuing Ph.D under my Guidance in the subject of Physics.

Awards: Best Student Development officer award given by Board of Student Development ,Savitribai Phule Pune University,Pune on 29th December 2023.

Examination: I have appointed as a College Examination Officer during the academic year 2023 to till date. I have conducted university Examination from 21st November 2023 to 19/01/2024 as a Custodian.

Dr.Vijay H.Ghadage
M.Sc, Ph.D (Physics)
Asso.Professor,
Head
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