

## BIO DATA

### GENERAL INFORMATION



01. Name (In Block Letters) : **Dr. BIJENDRA SINGH YADAV**
02. Date and Place of Birth : 07-07-1964, MEERUT (UTTAR PRADESH)
03. Sex : MALE
04. Father's Name : LATE SH.R S YADAV
05. Mother's Name : LATE SMT RAMRATI
06. Nationality : INDIAN
07. (a) Present Position if any : . PRINCIPAL (Offg.) (b) Date of Appointment: 31-10-1990
- (c) Whether Permanent/on Probation/Temporary: PERMANENT
- (d) Name of Institution/Employer: DEPARTMENT OF PHYSICS, D.N. COLLEGE, MEERUT  
(CH CHARAN SINGH UNIVERSITY, MEERUT)
08. Marital Status: MARRIED
09. Category (SC/ST/OBC/General): **GEN** 10. Physically Challenged: NA
11. (a) Address for Correspondence : **184/1, Sharda Road, Near City Look Public School**  
**Meerut City, Uttar Pradesh-250 002**
12. Telephone/Mobile No. **9412454537**
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**13. Research Degree (s) [If attached separately give the page No. to attachment]:**

Name of Degree	Specialization	Institution/University	Status	Whether Ph.D. degree awarded as per UGC regulation 2009 [In case of Doctoral and Awarded]	Date of Thesis Submission	Title of Thesis
Ph.D	Physics (Molecular Spectroscopy)	Meerut Univ. Meerut	AWARD	NA	1991	Electronic and Vibrational Spectral Studies of Dihalogenonitroanilines
D.Sc	Physics (Molecular Spectroscopy)	CCS UNIVERSITY MEERUT	AWARD	N.A.	2016	Spectroscopic Investigations and Temperature effect on Physical & Biological Properties of some Benzenes & N-Heterocyclics.

**14. Referees Details:**

Name of Referee	Designation	E-Mail	Tel/Mobile No.	Professional Relationship
Shri Daya Nand Gupta	Ex Chairman, Jila Panchayat Meerut Honorary Secretary, D.N. College, Meerut D.N. Inter College, Meerut College, Meerut I.N.P.G. College, Meerut I.N. Inter College, Meerut	dncollege052@gmail.com	9897100032	
Prof. L.N. Tripathi	Ex, Chairman, Uttar Pradesh Higher Education Service Commission, Allahabad, Prof. In-charge and Head, Department of Physics, Gorakhpur University, Gorakhpur	proflaxminaraintripathi@gmail.com	9415633890	

**15. Appointment held prior to working institution [if attached separately give the page No. to attachment]:**

Designation	Name of Employer	Status of Organization / Institution/ University	Date of Joining		Salary with Grade	Nature of Employment	Reason of Leaving
			Joining	leaving			
Assistant Professor	Secretary D.N. College, Meerut	Govt. Aided	31.10.1990	----	12000-18300 and 37400-67000	Permanent	NA
Associate Professor	Secretary D.N. College, Meerut	Govt. Aided	18-07-2016-Continue	----	37400-67000 AGP-9000	Permanent	NA

**16. (a) Teaching Experience (Under Graduate and Post Graduate Levels):**

Name of the University / Institution	Designation & Pay Band with AGP	Nature of Post : Temporary/ Permanent	Classes Taught		Period	
			UG	PG	From	To
D.N. College, Meerut (C.C.S. University, Meerut )	Associate Professor	Permanent	29 Years Approx	20 Years Approx	30-10-1990	Continue

**17. Research experience, excluding years spent in M.Phil /Ph.D. (if any): Ph.D& P.D.F.**

Name of the University/ Institution	Designation	Nature of Post : Temporary/ Permanent	Period	
			From	To
D.N. College, Meerut C.C.S. University, Meerut	Associate Professor	Permanent	30-10-1993	Continue

**(b) Membership of Academic Bodies:**

- Member, Board of Studies, IFTM University, Moradabad.
- Member of Academic Bodies, SSR Inter College, Daurala.
- Member of Managing Body, D.N. Polytechnic Meerut
- Member of Academic Council, IFTM University Moradabad

**CATEGORY-III**

**RESEARCH PUBLICATIONS AND ACADEMIC CONTRIBUTIONS**

III (A) (i) Published Papers in Journals/Non-referred but recognized and reputed journals and periodical, having ISBN/ISSN numbers as journals approved by UGC

Sl. No.	Title with page Nos.	Name of Journal	ISSN/ISBN No.	Whether peer reviewed impact factor, if any.
1	Vibrational spectra, structural confirmations and intramolecular charge transfer of 4-methyl-3-nitrobenzaldehyde by density function theory, page 40-44	Journal of basic and applied engineering research, <b>vol.</b> 6(1) 2019	ISSN : 2350-0077 (print) ISSN : 2350-0255 (online)	Refereed
2	Comparative Analysis of Molecular Structure, Vibrational spectral studies and Nlo properties of 3-Hydroxy-4-methoxy- Benzaldehyde and 4-hydroxy-3-Methoxy- Benzaldehyde by D.F.T. page 357-368	International Journal of Scientific research in Science and Technology , <b>vol</b> 4(11), 2018	ISSN : 2395-6011 (print) ISSN : 2395602X (online)	Refereed
3	Molecular Structure, Vibrational Spectral Studies and NLO Properties of 4-Benzyloxy-3-Methoxy-Benzaldehyde by DFT, page 287-296	International Journal for Research in Applied Science & Engineering Technology (IJRASET), <b>vol.</b> 6(12) 2018	ISSN: 2321-9653;	Refereed
4	Molecular Structure, Vibrational Spectral Studies and NIO Properties of 5-Bromo-2, 4-Dimethoxy-Benzaldehyde by DFT, page 09-15	International Journal of Engineering Science Invention (IJESI), <b>vol.</b> 7(12) 2018	ISSN (online): 2319-6734 ISSN (print): 2319-6726	Refereed
5	Spectral Analysis and Electronic Structure by density functional theory of some substituted anilines	ISST journal of applied chemistry, vol. 9(1), page 112-116, 2018	ISSN No : 0976-7355	Refereed
6	Lasers Raman and Bio Spectral Investigations of A Biologically Active Substituted Pyridine Molecule, Page 300-310,	International Journal of Advanced Research in Science and Engineering, <b>vol.</b> 6(3), 2017	ISSN No. – (O) 2319-8354. (P) 2319-8354. ISBN : 978-93-86171-33-7	Refereed
7	Laser Raman and FTIR spectral investigations of a biologically active substituted pyridine	International Journal of Advanced Research in Science and Engineering,	ISSN No. – (O) 2319-8354. (P) 2319-8354.	Refereed

	molecule	<b>vol. 6(3),</b> 2017	ISBN : 978-93-86171-33-7	
8	Biological activities of some substituted N-heterocyclic molecules	International Journal of Advanced Research in Science and Engineering, <b>vol. 5,</b> 2016	ISSN No. – 2319-8354	Refereed
9	Role of Spectroscopy Investigations of N- Heterocyclic Molecules in Environment, page 115 -126	Academic Journal of Science CD-ROM, <b>vol. 5(1),</b> 2016	ISSN No: 2165-6282 ,	Refereed
10	Biological Activities of Some Substituted N-Hetrocyclic Molecules, Page 726-731	International Journal of Advanced Research in Science and Engineering , <b>vol. 5(8),</b> 2016.	ISSNNo. : 2319-8354.	Refereed
11	Spectroscopic and Vibrational Characterization of Fluorinated Pyrimidine, NBO,NLO,Thermodynamic Functions,Homolumo Analysis based on Density Functional Theory, page 586- 603 ,	Global Journal of Advanced Research, <b>vol. 3(7),</b> 2016.	Refereed and Indexed ISSN No. 2394-5788	Refereed
12	Spectroscopic Investigations and Role of substituted pyrimidine in environment,	Review Journal of Political Philosophy Special Issue , 2015,	Refereed and Indexed ISSN No. (E) 09763635 E-Journal ISSN No.2454-3411	Refereed
13	Solvent Effect On Electronics Transitions, Ph Effect, Theoretical UV Spectrum, Homo Lumo Of 2,4-Dihydroxy-5-Fluoropyrimidine, PP-11-17,	IOSR Journal of Applied Chemistry, <b>VOL 8(7),</b> , 2015	Refereed and Indexed ISSN-2278-5736	Refereed
14	Molecular structure Vibrational spectra of 6-Amino-1,3-dipropyl uracil by density functional theory and ab initio Hartree-Fock calculatios, Page 301-318,	Inernational transactions in Applied Sciences, <b>VOL 6(2),</b> 2014	Refereed and Indexed ISSN-0974-7273	Refereed
15	Vibrational Spectral Studies and thermodynamic functions of 6,7 Dimethoxy 1,2,3,4 tetrahydroisoquinoline-3-carboxylic acid hydrochloride molecule, Page 189-203.	International Transactions in Applied Sciences, <b>VOL 6 (2),</b> 2014	Refereed and Indexed ISSN-0974-7273	Refereed
16	Influence of transverse shear and rotatory inertia on thermal vibration isotropic circular plate of linearly varying thickness, Page 333-344,	International Transaction in Applied Sciences, <b>VOL 5(2),</b> 2013	Refereed and Indexed ISSN-0974-7273	Refereed
17	Combined Experimental and Computational study of UV-Vis	Acta Ciencia Indica,	Refereed and Indexed	Refereed

	Spectra Of 6-bromo-2-methylquinoline, page 257-266,	<b>VOL38 P(4)</b> , 2012	ISSN-0253-732X	
18	Electrical Characterization of Ni/Au contact for Quantum Photodeetector, Page 11-14,	Infrared Physics And Technology ELSVIER VOL. 55 2012	Refereed and Indexed ISSN-1350-4495	Refereed
19	Vibrational Spectroscopy investigation using ab-initio and density functional theory analysis on the structure of 6-bromo-2methylquinoline, Page 277-294,	Journal of Ultra Sciensist of Physical Sciences, <b>VOL24(2)B</b> , 2012	Refereed and Indexed ISSN-2231-346X	Refereed
20	Comparative vibrational spectroscopic studies of 7-chloro-4-hydroquinolinecarboxylic acid based on density functional theory, Page 27-37,	IOSR Journal of Applied Physics, <b>VOL 1(3)</b> , 2012	Refereed and Indexed ISSN-2278-486	Refereed
21	FT-Raman and FT-IR spectra, Vibrational assignment ab-initio HF & DFT analysis of 6-Amino-1, 3-dimethyl-uracil, 4,Page 905-916,	International Transitions in Applied Sciences, <b>VOL 3(0)</b> , 2011	Refereed and Indexed ISSN-0974-7273	Refereed
22	Molecular Polarizability of 2-hydroxy-4-methylpyrimidine hydrochloride, PP-537-542,	International Transitions in Applied Sciences, No.3, <b>VOL3</b> , 2011	Refereed and Indexed ISSN-0974-7273	Refereed
23	FTIR spectrum and thermodynamic function of 2,6-diamino-3-nitrosopyridine, Page 25-30,	Proceeding in RTAMPS, 2006	ISBN No-81-85126-120-6	Refereed
24	Molecular Polarizability and Thermodynamic Parameters of 6-bromo-2-methylquinoline, Page 61-72,	International Transition in Applied Science, <b>VOL 4(1)</b> , 2011	Refereed and Indexed ISSN-0974-7273	Refereed
25	Influence of transverse shear and rotatory inertia on thermal vibrations of infinite plate of parabolically varying thickness, Page 422-443,	ITAS, <b>VOL 2(3)</b> , 2010	Refereed and Indexed ISSN-0974-7273	Refereed
26	Infrared Laser Raman Spectral Studies and thermodynamics properties of 2-Amino-4, 6-dimethoxy pyrimidine molecule, Page 609-620,	ITAS, <b>VOI 1(4)</b> , 2009	Refereed and Indexed ISSN,0974-7273	Refereed
27	“Structural Studies and Ab-initio, density Functional Theory of 2,6-diamino-3-nitroso pyrimidine”, Page 581-594 ,	ITAS, <b>VOL 1(4)</b> 2009	Refereed and Indexed ISSN,0974-7273	Refereed

28	Ultraviolet Absorption Spectral Studies of 2-hydroxy-4-methyl pyrimidine hydrochloride in various solvents, Page 97-100,	Acta Ciencia Indica, <b>VOL-XXXV P,No.-1,</b> 2009	Refereed and Indexed ISSN-0253-732X	Refereed
29	Molecular Polarizability of 6-propyl-2-thiouracil, Page 101-103,	Acta Ciencia Indica, <b>VOL XXXVP(1),</b> 2009	Refereed and Indexed ISSN-0253-732X	Refereed
30	FTIR spectroscopic study of 2-hydroxy-4-methyl pyrimidine hydrochloride, PP-273-276,	Asian Jr. of Chem, <b>Vol-20(1)</b> 2008	Refereed and Indexed ISSN-0970-7077	Refereed
31	Electronic absorption Spectra of 5,7-Dibromo -8-hydroxy Quinoline, PP-925-928,	As jr of Chem, <b>Vol-20(2),</b> (2008), 2008	Refereed and Indexed ISSN No-0970-7077	Refereed
32	FTIR spectroscopic study of 2-hydroxy-4-methyl Pyrimidine Hydrochloride, PP-273-276,	Asian Jr. Chemistry, <b>VOL-20(1)</b> 2008	Refereed and Indexed ISSN-0970-7077	Refereed
33	FTIR and Laser Raman spectra of 2-hydroxy-5-methyl-3-nitro pyridine, 979-983,	Indian J. Pure and Applied Physics, <b>VOL 45,</b> 2007	Refereed and Indexed ISSN-0019-5596	Refereed UGC Listed No-48712
34	High pressure Mossbauer measurements on nanocrystalline, PP 70-74,	Proceedings in RTAMPS, 2006	ISBN No-81-85126-120-6	Refereed
35	Vibrational spectral studies of 4-Hydroxy-3-Nitro pyridine, PP-73-78,	Ultra Science, <b>VOL 19(1),</b> 2007	Refereed and Indexed ISSN-2231-3478	Refereed
36	Vibrational spectral study of 2-chloro-6-methoxy Pyridine, PP-183-186,	Material Sc. Research India, <b>VOL 4(1),</b> 2007	Refereed and Indexed ISSN-0973-3469	Refereed
37	Vibrational Spectral Studies of 3-chloro-2,4,5,6- Tetra fluoro Pridine, PP, 119-123,	Acta Ciencia, <b>Vol. XXXIII P(1),</b> 2007	Refereed and Indexed ISSN-0253-732X	Refereed UGC Listed-48636
38	Vibrational Spectra of 2-Amino-3-Nitro Pyridine, PP-191-198,	Communications in Instrumentation, <b>Vol. 6(4),</b> 2007	Refereed and Indexed ISSN 2349-2469	Impact Factor-3.578
39	Electronic spectral studies of 2-chloro-6-methyl pyridine in various solvents, PP-395-401,	Indian J. Phys., <b>VOL 81(3),</b> 2007	Refereed and Indexed ISSN-0973-145	Impact Factor-3.586
40	Infrared Absorption spectra of 2,6,-Dibromo-4-Nitrophenol, PP-61-64,	Acta Ciencia Indica, <b>VOL 33,</b> 2007	. Refereed and Indexed ISSN-0253-732X	Impact Factor 4.000
41	Molecular polarizability and vibrational spectra of 2,6-dihydroxy pyridine hydrochloride, Res, PP. 27-30,	Journal of Chemistry and Environment, <b>VOL.-11(1)</b> , 2007	Refereed and Indexed ISSN-2248-9649	Impact Factor-7.144

42	Infrared Absorption Spectra of 5,7-dibromo-8-hydroxy quinoline, P.,No-579-582,	Acta Ciencia Indica, <b>VOL-33</b> 2007	Refereed and Indexed ISSN-0253-732X	Impact Factor-5.87
43	Ultraviolet absorption spectra of 1-ethyl-2-methyl quinolinium iodide, PP 437-440,	Ultra Science, <b>Vol-19(3)</b> , 2007	Refereed and Indexed ISSN-2231-3478	
44	Ultraviolet absorption spectra of 1-ethyl-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-3-pyridine carbonitrile, PP 553-556,	Acta Ciencia Indica, <b>VOL 33</b> 2007	Refereed and Indexed ISSN-0253-732X	
45	Thermodynamic functions of 2,3,5-trichloro pyridine, PP 63-65,	Proceedings in RTAMPS 2006	ISBN No-81-85126-120-6	
46	Vibrational spectral studies of 4-hydroxy-2-methyl quinoline, PP 315-322,	Ultra Science, <b>VOL-18(3)</b> , 2006	Refereed and Indexed ISSN-2231-3478	
47	Electronic spectral studies of 2-hydroxy-5-methyl-3-nitro pyridine in various solvents, PP-279-282.,	Materials Sc. Research India, <b>VOL 3(2a)</b> , 2006	Refereed and Indexed ISSN-0973-3469	
48	Electronic spectra of dimethyl-2,6-pyridine dicarboxylate in various solvents, PP-257-260,	Materials Science Research India, <b>VOL 3(2a)</b> , 2006	Refereed and Indexed ISSN-0973-3469	
49	Molecular Polarizability of substituted Pyridine, PP-287-290,	Material Science Research India, <b>VOL 3(2a)</b> , 2006	Refereed and Indexed ISSN-0973-3469	
50	Electronic spectral studies of 2-Chloromethyl-4-Methoxy-3,5-Dimethyl Pyridine hydrochloride in various solvents, PP 46-47,	Proceedings in RTAMPS 2006	ISBN No-81-85126-120-6	
51	Molecular Polarizability of some substituted Benzaldehydes, PP 9-12,	Proceedings in RTAMPS 2006	ISBN No-81-85126-120-6	
52	Study of vibrational spectra of 4-methyl-3-nitro banzaldehyde,	IJPAP, <b>VOL-44</b> , 2006	Refereed and Indexed ISSN-0019-5596	
53	Effect of Solvents and pH variation on electronic spectra of 2-hydroxy-4-methoxy Benzaldehyde, PP-123-126,	Ultra Science, <b>VOL 18(2)</b> , 2006	Refereed and Indexed ISSN-2231-3478	
54	Vibrational Studies & Molecular Polarizability of 2,6, Pyridine-dimethanol, PP-103-108,	Material Science Research India, <b>VOL-3(1A)</b> , 2006	Refereed and Indexed ISSN-0973-3469	
55	FTIR and laser Raman Spectra 2,4,6-tribromo-3-methyl phenol, PP-447-451,	Oriental Jr. of Chem., <b>VOL-22(2)</b> , 2006	Refereed and Indexed ISSN-0970-020X	

56	FTIR absorption spectra and thermodynamic functions of 5-chloro-2,3-dihydroxy Pyridine, PP-61-65,	IJP, <b>VOL 80(1)</b> , 2006	Refereed and Indexed ISSN-0973-1458	
57	Vibrational Studies and molecular polarizability of 2,6-Pyridine di methanol, PP 103-108,	Material Science Research, <b>VOL-3(1)</b> , 2006	Refereed and Indexed ISSN-0973-3469	
58	Electronic Absorption Spectra and Effect of Solvents on Electronic Transitions of 3-hydroxy-6-methyl-2-nitro Pyridine, PP-281-284,	Oriental J. of Chem., <b>VOL 22(2)</b> , 2006	Refereed and Indexed ISSN-0970-020X	
59	Effect of solvents on Electronic Transitions of 3,5-di bromo Pyridine, PP-151-154,	Ultra Science, <b>VOL 18(2)</b> , 2006	Refereed and Indexed ISSN-2231-3478	
60	FTIR Spectrum of 2-chloro-6-methyl Pyridine, PP-185-188,	Oriental J. Chem., <b>VOL 22(1)</b> , 2006	Refereed and Indexed ISSN-0970-020X	
61	Vibrational Spectral Studies of 6-propyl-2-Thiouracil, PP-187-192,	Ultra Science, <b>VOL 18(2)</b> , 2006	Refereed and Indexed ISSN-2231-3478	
62	Solvent effect on electronic transitions of 4-allyl-1,2-dimethoxybenzene, PP-377-380,	Orien. Jr. of Chemistry, <b>Vol-22(2)</b> , 2006	Refereed and Indexed ISSN--0970-020X	
63	FTIR Spectrum of 1-bromo-3-fluoro-4-iodo benzene, PP-127-130,	Mt Science research, <b>VOL-3(1a)</b> , 2006	Refereed and Indexed ISSN--0973-3469	
64	FTIR and laser Raman Spectrum Of 1,2-Dichloro-4-Fluro-5-Nitrobenzene, PP-69-72,	Material Science Research India, <b>VOL 3(1a)</b> , 2006	Refereed and Indexed ISSN--0973-3469	
65	Electronic absorption Spectral and effect of Solvents on Electronic Transitions of 3-hydroxy-6-methyl-2-nitro Pyridine, PP-281-284,	Oriental J of Chem., <b>VOL 22(2)</b> , 2006	Refereed and Indexed ISSN-0970-020X	
66	FTIR Spectrum of 2-chloro-6-methyl pyridine, PP-185-188,	Oriental Journal of Chemistry, <b>VOL 22(1)</b> , 2006	Refereed and Indexed ISSN-0970-020X	
67	Vibrational Spectral Studies of 6-propyl-2-Thiouracil, <b>PP 187-192</b> ,	Ultra Science, <b>VOL 18(2)</b> 2006	Refereed and Indexed ISSN-2231-347	
68	Synthesis and Biological Activity of some Nitro Compounds, PP-199-201,	Analas of Agri-Bio Research , <b>VOL 10(2)</b> , 2005	Refereed and Indexed ISSN No-0971-3093	
69	Solvent effect on Electronic spectra of 4-methyl-2-nitro & 2,3-Dimethyl-6-nitro aniline, PP-469-472,	Ultra Science, <b>Vol 17(3)</b> , 2005	Refereed and Indexed ISSN-0970-9150	
70	Solvent effect on Electronic Spectra of 2-methoxy-5-methyl	Oriental J. of Chem.,	Refereed and Indexed	



	and 3-Bromo-2,4,6-Tri methyl Anilines, PP-255-260,	<b>VOL 21(2)</b> , 2005	ISSN-0970-020X	
71	Electronic Spectral Studies of 2-Chloro-6-methoxy Pyridine in various solvents, PP-417-420	Indian J. Phys., <b>VOL 77 B(4)</b> , 2003	Refereed and Indexed ISSN-0973-1478	
72	Solvent Effect on electronic Transitions of 6-Amino-1-methyl and 6-Amino-1,3-Dimethyl Uracils, PP-501-504 ,	Oriental J. of Chemistry, <b>VOL 18(3)</b> , 2003	Refereed and Indexed ISSN-0970-020X	
73	Vibrational Spectra of 2-Amino-3-nitro Pyridine, PP-191-198/191,	Communications in Instrumentation, <b>VOL 6(4)</b> , 1999	Refereed and Indexed ISSN-2349-1469	
74	Thermodynamic parameters of antifungal 3,4,5-trimethoxy benzaldehyde thiosemicarbazone, PP- 34-41,	IJPAP, <b>VOL 37</b> , 1999	Refereed and Indexed ISSN-0019-5596	
75	Electronic spectra and solvent effect of N-heterocyclic molecules of Biological interest, PP-331-335.,	Ultra Science, <b>VOL 11(3)</b> , 1999	Refereed and Indexed ISSN-2231-3478	
76	Electronic Absorption spectra and effect of solvents on electronic transitions of substituted Pyridines, PP-355-358,	Oriental J. of Chemistry, <b>VOL 15(2)</b> , 1999	Refereed and Indexed ISSN-0970-020X	
77	Spectral investigations and thermodynamic functions of 4-hydroxy-2-mercapto-6-Propyl pyrimidine, PP-1267-1278.,	Spectrochemica Acta Part A , <b>VOL 55</b> , 1999	Refereed and Indexed ISSN-0584-8539.	
78	Spectral and Biological study of 2-Chloro-3-Nitro Pyridine, PP- 11-14 ,	Acta Botanica Indica, <b>VOL-26</b> , 1998	Refereed and Indexed ISSN-0971-3093	
79	Effect of solvents on electronic transition of some substituted pyrimidines, PP 397-400,	Orientation jr of Chem., <b>Vol-14(3)</b> , 1998	Refereed and Indexed ISSN-0970-020X	
80	Vibrational Spectra, thermodynamic parameters and fungicidal activity of 2-hydroxy-3-methoxy benzaldehyde thiosemecarbazone, PP-557-566,	Indian Journal of Pure & Applied Physics, <b>VOL 36</b> , 1998	Refereed and Indexed ISSN-0019-5596.	
81	Spectral Studies and Biological investigations of 2-hydroxy-3-methoxy Benzaldehyde Semecarbazone, PP-15-19,	Acta Botanica Indica, <b>VOL 26</b> , 1998	Refereed and Indexed ISSN-0971-3093	
82	Vibrational Spectral Studies and Thermodynamic functions of 4,6-dihydroxy-5-Nitro Pyrimidine, PP-249-256,	Indian J. Physics, <b>VOL 72B (3)</b> , 1998	. Refereed and Indexed ISSN-0973-1458.	
83	Spectroscopic study and biological investigation of 3,4,5-trimethoxy benzaldehyde	Indian J. Toxicol., <b>VOL 5(2)</b> , 1998	Refereed and Indexed ISSN-0973-3558.	

	hydrazone, PP- 41-46,			
84	Infrared Absorption spectra of 2, 6-Di iodo-4-Nitrophenol	Journal of Indian Council of Chemistry, <b>VOL IV(3)</b> , 1998	Refereed and Indexed ISSN-0975-098	
85	Fourier Transform Infrared and Laser Raman spectral study of 2-Anilinopyridine, PP-417-422,	Oriental Journal of Chemistry, <b>VOL-14(3)</b> , 1998	Refereed and Indexed ISSN-0970-020X	
86	Vibrational Spectra, thermodynamic parameters and fungicidal activity of 2-hydroxy-3-methoxy benzaldehyde thiosemicarbazone, PP-557-566,	Indian J. of Pure & Applied Physics, <b>VOL 36</b> , 1998	Refereed and Indexed ISSN-0019-5596	
87	Vibrational spectra of 2,4-Dimethyl-6-Hydroxy Pyrimidine, PP-411-417,	Asian J. of Chemistry, <b>VOL 9(3)</b> 1997	Refereed and Indexed ISSN-0970-7077	
88	Vibrational spectra of 4-hydroxy-2-mercapto-6-methyl Pyrimidine, PP-131-142,	Communication in Instrumentation, <b>VOL 5(3)</b> , 1997	Refereed and Indexed ISSN-2349-1469.	
89	Vibrational spectral studies and Thermodynamic function of 5-Carbethoxy-2-Thiouracil, PP-69-79,	I.J. Physics, <b>VOL 71B(1)</b> , 1997	Refereed and Indexed ISSN-0973-1458	
90	Vibrational spectra and thermodynamic functions of substituted chloropyrimidine, PP-305-309.,	Indian J. of Pure & Applied Physics. <b>VOL 35</b> , 1997	Refereed and Indexed ISSN-0019-5596	
91	Effect of Solvent and pH variation on electronic spectra of 6-amino-5-nitroso-2-thiouracil, PP-587-593,	Indian J. of Pure & Applied Physics, <b>VOL 35</b> , 1997	Refereed and Indexed ISSN-0019-5596.	
92	Vibrational spectral studies of 5-methyl-2-thiouracil, PP- 697-704,	Indian J. Physics, <b>VOL 71B(6)</b> , 1997	Refereed and Indexed ISSN-0973-1458	
93	Effect of Solvents And PH Variation on electronic Spectra of Dichloro-Nitroanilines, PP-372-378,	Asian Journal Of Chemistry, <b>Vol 9(3)</b> , 1997	Refereed and Indexed ISSN-0970-7077	
94	Effect of solvents and their pH variations on Electronic spectra of 5-carbethoxy-2-thiouracil, PP 295-300,	Oriental J. Chem., <b>VOL 12(3)</b> , 1996	Refereed and Indexed ISSN-0970-020X	
95	Vibrational spectra of 2, 4-Dihydroxy-6-Methyl Pyrimidine, PP 267-274.,	Oriental J. of Chemistry, <b>VOL 12(3)</b> ., 1996	Refereed and Indexed ISSN-0970-020X	
96	DC Conduction in copolymer and blends, <b>PP</b> No.14-16,	Acta Ciencia Indica, <b>VOL 19</b> 1994	Refereed and Indexed ISSN-0253-732X	
97	Dielectric Behavior of polymer	Acta Ciencia Indica, <b>VOL</b>	Refereed and Indexed	

	Blends, PP-69-70,	<b>20P(3)</b> , 1994	ISSN-0253-732X	
98	Ultraviolet absorption spectra of copolymers and blends, PP-105-108,	Asian J of Physics, <b>VOL 3(2)</b> , 1994	Refereed and Indexed ISSN-0971-3093	
99	Vibrational Spectral of Acrylonitrile Butadiene styrene Ter polymer, PP-162-164,	Oriental J. Chem., <b>VOL 10(2)</b> , 1994	Refereed and Indexed ISSN-0970-020X	
100	Vibrational & electronic spectral study of 4,6-dihydroxy-2-amino pyrimidine molecule, 113-115 ,	Acta Ciencia Indica, <b>Vol-XXP</b> , No.4, 1994	Refereed and Indexed ISSN-0253-732X	
101	Vibrational spectra of 4,6-dichloro-5-amino pyrimidine molecule, PP 166-118,	Acta Ciencia Indica, <b>Vol-XXP(4)</b> , 116 1994	Refereed and Indexed ISSN-0253-732X	
102	Vibrational Spectra Of 5-iodouracil, , PP-229-231,	Asia Jr. of Physics, <b>VOL-3(4)</b> , 1994	Refereed and Indexed ISSN-0971-3093	
103	Thermodynamics of 2,4-difluorobenzonitrile, PP-175-177,	Asian Jr. of Physics, <b>VOL-2(3)</b> , 1993	Refereed and Indexed ISSN-0971-3093	
104	Electronic and Vibrational studies of 2,6-Di iodo-4-Nitroaniline, PP 1-5,	J. of Ind. Council of Chemistry, <b>VOL VIII(2)</b> , 1992	Refereed and Indexed ISSN-0975-0983	
105	Electronic spectra of 2,6-Di Bromo-4-Nitroaniline, PP 133-136 ,	Acta Cienica Indica, <b>VOL XVII P(2)</b> , 1991	Refereed and Indexed ISSN-0253-732X	
106	Vibrational Spectra of 6-Amino-5-Nitroso-2-Thiouracil, PP-71-77.	Oriental J. Chem., <b>VOL 7(2)</b> , 1991	Refereed and Indexed ISSN-0970-020X	
107	Vibrational spectral studies of 2,6-Dibromo-4-nitroaniline, PP-26-30,	Scientist of Physical sciences, <b>VOL 2(1)</b> , 1990	Refereed and Indexed ISSN-0970-9150.	
108	Vibrational and Electronic spectral studies of 2, 6-Di-Chloro-4-Nitroaniline, PP-108-114,	Orient J. Chem., <b>VOL 6(2)</b> , 1990	Refereed and Indexed ISSN-0970-020X.	
109	Vibrational spectra of 4,6-Dichloro-5-Nitropyrimidine Molecule, 183-189,	Acta Ciencia Indica, <b>VOL XV P(4)</b> , 1989	Refereed and Indexed .ISSN-0253-732X	
110	Infrared absorption spectra of 2,4-Dichloro-6-Nitro & 4,5 dichloro-2-Nitroanilines, 175-182,	Acta Ciencia Indica, <b>VOL-15P(4)</b> , 1989	Refereed and Indexed ISSN-0253-732X	
111	Infrared absorption spectra of 2,6-Di-Iodo-4-Nitrophenol, PP 105-108,	Journal of Indian council of chemists, <b>VOL-IV(3)</b> , 1988	Refereed and Indexed ISSN-0975-0983	

III. B. (iii) Text/Reference/Subject Books Authored

S. No.	Title With Page No.	Publisher & ISSN/ISBN NO.	Peer Reviewed
1	Atomic Molecular and Laser Physics, 240	ISBN:89-7556-995-6	National
2	Solid State and Nuclear Physics, 200	ISBN:978-93-5006-225-8	National
3	Mathematical Methods Oscillations and Waves, 382	ISBN:978-81-8398-418-8	National
4	Electricity, Magnetism & Electromagnetic Theory, 416	ISBN:81-8398-205-0	National
5	Bksl voLFkh; ukfHkdh; HkkSfrdh Solid State & Nuclear Physics, 184	ISBN:81-8398-287-5	National
6.	Solid State Devices and Electronics, 146	ISBN:81-7556-960-3	National
7.	Proceedings of National Seminar, 104	ISBN:81-85126-120-6	National
8	Mechanics and Relativity, 411	ISBN:978-81-8391-412-1	National
9	Kinetic Theory and Thermodynamics, 272	ISBN:978-81-8398-717-3	National
10	Biophysics	978-81-8330-701-7	International
11	Text Book of Physics	978-81-8330-702-4	International
12	Thermodynamics	978-81-8330-703-1	International
13	Textbook of Mechanics	978-81-8330-704-8	International
14	Atomic Spectra	978-83-89801-30	National
15	Molecular Spectroscopy	978-83-89801-29	National
16	Density Functional Theory	978-83-89801-28	National
17	Infrared and Raman Spectroscopy	978-83-89801-31	National

(B) Completed Projects/Consultancies:

S.No	Title	Agency	Period	Grant/Amount Mobilized (Rs. in Lakh)	Whether policy document/ patent as outcome
1	Spectroscopic ..... Molecules	UGC	3 years	10,00,000	
2	Spectral and ..... Biological Molecules	UGC	2 years	70,000	
3		UGC	2 Years	14,000	

(C). Research Guidance:

S.No.	Course	Number Enrolled	Thesis Submitted	Degree awarded

1.	Ph.D. or equivalent	2	-	25
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**(D) Invited Lectures/Participated and Papers Presented in Conferences, Seminars, Workshops, Symposia, etc.**

S. No.	Title of the paper Presented	Title of Conference/ Seminar	Organized by	Whether International/ national/ state/regions/ colleges or University level
1	Theoretical studies of waste of dye based industry study of substituted aniline in view of energy and structure	Global Environmental challenges Human Health and Sustainable Development	Environment and social development association (ESDA) New delhi	International
2	Ultraviolet absorption ..... functional theory	The Indian Science Congress Association	Lovely Professional University, Phagwara, Jalandhar	International
3	Vibrational Spectral Studies and Thermodynamic Functions of 5-Flurouracil	WCGV	I.N. (P.G.) College, Meerut	International
4	Role of Spectroscopy Investigations of N-Heterocyclic Molecules in Environment	International journal of arts & science	Katholische Akademie der Erzdiocese Freiburg, Germany	International
5	Normal Co-ordinate analysis and vibrational spectral studies of 2,4-dihydroxy-6-methylpyrimidine	RTAMS	D.N. (P.G.) College, Meerut	National
6	Electronic and vibrational spectrum studies of 6-carbathoxy-2-thiouracil	NCAET-2014	Pacific University, Udaipur	National
7	Water Pollution Studies in Molecular Spectroscopy	ICEES 2014	Inst. of Ecotoxicology and environmental science, Kolkata, India	International
8	Experimental and Theoretical Vibrational Spectroscopic Studies of Substituted	NCETST-213	Monad University, Hapur	National

	Quinolines			
9	Infrared Absorption Spectra of copolymers and blends	RTAMPS-2012	D.N. College, Meerut	National
10	Spectral Investigation of 6-chloromethyl uracil	ANMIA	D.A.V. College Kanpur	National
11	Role of Spectroscopy in the field of nano science	Advancement of Nano Materials and its applications	Department of Physics, D.A.V. College, Kanpur	National
12	Infrared Absorption Spectra of 2-Amino-p-Crert & 2-amino-4-chlorophenol	RTAMPS-2011	D.N. College, Meerut	National
13	Ultraviolet Absorption spectra of some trisubstitute pyridines	RTAMPS-2010	D.N. College, Meerut	National
14	Structural Studies and AB Initio, Density Functional Theory of 2,6-Diamino-3-Nitroso Pyridine	RTAAAM	SGRR (PG) College, Dehradun	National
15	Thermodynamic Functions of 2,3,5-Trichloropyridine	RTAMPS	D.N. (P.G.) College, Meerut	National
16	FTIR Spectrum of 1-bromo-3-Fluoro-4-Iodobenzene	CONIAPS-VIII 2	C.C.S. university, Meerut, NICE Society Insti, Meerut and International IAPS, Allahabad	International
17	Vibrational ..... nitropyrimidine	The National Academy of Sciences	Dr. BAM University, Aurangabad	National
18	Infrared ..... tetrachloropyrimidine	The National Academy of Sciences	C.C.S. University, Meerut	National
19	IR spectra ..... 4 aniline''	The National Academy of Sciences	Osmania University, Hydrabad	National
20	''Infrared ..... anilines''	The National Academy of Sciences	Osmania University, Hydrabad	National

**E. Professional Development Activities (such as Participation in Seminars, Conferences, Short Term Training Course, Industrial Experience, Talks, Lectures in Refresher/Faculty Development Courses, Dissemination and General Articles and Any Other Contribution.**

<b>S.No.</b>	<b>Activity</b>	<b>Year</b>
1	The Indian Science Congress Association, 3-7 January, 2019	2019
2	PARTICIPATION IN IQAC, 04.02.2019	2019
3	7 <sup>TH</sup> DAY WORKSHOP (2018)	2018
4	PARTICIPATED AS CHAIR PERSON 26 Sept to 02 Oct. 2018	2018
5	PARTICIPATION IN IQAC, MARCH 31, 2018	2018
6	GUEST SPEAKER ON DATED 29-30 NOV. 2017	2017
7	DELIVERED LECTURE ON RESEARCH METHODOLOGY ON 22-23 JULY, 2017	2017
8	PARTICIPATED IN SEMINAR ON 25 MARCH, 2017	2017
9	PARTICIPATION IN IQAC ON MARCH 19, 2017	2017
10	PARTICIPATED IN TWO DAYS NATIONAL SEMINAR, 18-19 FEBRUARY, 2017	2017
11	PARTICIPATED AS CHAIR PERSON 28-29 JANUARY, 2017	2017
12	CHAIRMAN IN NATIONAL SEMINAR ON DATED 02.03.2016	2016
13	PARTICIPATED PAPER IN NATIONAL SEMINAR ON 01-02 MARCH, 2016	2016
14	PARTICIPATED IN NATIONAL SEMINAR ON 15-17 FEBRUARY, 2016	2016
15	PARTICIPATED IN WORKSHOP ON 16 JANUARY, 2016	2016
16	PARTICIPATED IN TWO DAYS WORKSHOP ON 22-23 AUGUST, 2016	2016
17	PARTICIPATED AS RESOURCE PERSON ON DATED MARCH 19, 2015	2015
18	ATTENDED TWO DAYS TRAINING PROGRAMME FOR NSS ON (17-18 JANUARY, 2014)	2014
19	PARTICIPATED IN NATIONAL SEMINAR ON 20 SEPT, 2013	2013
20	PARTICIPATED IN CONFERENCE ON 24-26 MARCH, 2011	2011
21	CHAIRMAN IN CONFERENCE ON DATED 14-15 NOV, 2009	2009
22	PARTICIPATED IN NATIONAL WORKSHOP ON 24 APRIL, 2009	2009
23	PARTICIPATED IN WORKSHOP ON 17-19 JANUARY, 2009	2009
24	TRAINING PROGRAMME OF SYSTEM DESIGN OPERATION MAINTENANCE AND REPAIR OF SOLAR PHOTOVOLTAIC SYSTEMS, FEB 2-6, 2006	2006
25	PARTICIPATED IN FACULTY DEVELOPMENT PROGRAMME FROM 22.12.1997 TO 05.01.1998	1998

**F. Invited Lectures and Chairmanship at national or international conference/seminar etc.**

<b>S.No.</b>	<b>Title of the Lecture/ Academic Session</b>	<b>Title of Conference/ Seminar etc.</b>	<b>Organized by</b>	<b>Whether International/ national/</b>
1	Kashmir Problem and India-Pakistan Relations	RTAAAM	17-18 March, 2019 Meerut College, Meerut	International
2	World Crisis and Gandhian Vision	World Crisis and Gandhian Vision	20-21 January, 2015	International

3	Relevance of Ancient Indian wisdom in contemporary India	PPTVMA	14 Sept, 2015 R.G. College, Meerut	National
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Part F	Development of e-learning delivery process/ material	10 per module	API Score	Page No. of Attachment
	Research Methodology for Pre-Ph.D. course (CCS University, Meerut)			

### **CONTRIBUTION IN ACADEMIC AND ADMINISTRATIVE FIELD**

- **Chief Proctor** since December 2003 to June 2016
- Worked as **Games Superintendent** from 1997 to 1998
- **Managing Editor**, College Magazine since 2010 to 2016.
- **Deputy Co-ordinator**, IGNOU Study Center—2799 , D.N. College, Meerut since 2003 to 2016.
- **Convener**, Admissions of Science Faculty, D.N. College, Meerut since 2002 to 2016.
- **Chairman**, Student Union, D.N. College, Meerut since 2012 to 2016.
- **Secretary**, NAAC Steering Committee, D.N. College, Meerut. in 2006 and 2014.
- Worked as **Programme Officer**, N.S.S since 2010 to 2016.
- **Convener**, International Seminar on ``World Crisis and Gandhian Vision`` held on 20-21 January, 2015 at I.N. (P.G.) College, Meerut
- **Convener**, National Seminar on ``Relevance of Ancient Wisdom in Contemporary India`` held on 15 September, 2015 at I.N. (P.G.) College, Meerut

### **PARTICIPATION IN BOARD OF STUDIES, ACADEMIC AND ADMINISTRATIVE COMMITTEES.**

- CONTROLLER, EVALUATION, CCS UNIVERSITY, MEERUT, 2019
- MEMBER-EXPERT OF THE BOARD OF STUDIES OF PHYSICS, DEHRADUN
- MEMBER-EXPERT OF THE BOARD OF STUDIES OF PHYSICS, MORADABAD
- DEPUTY CONTROLLER, EVALUATION, CCS UNIVERSITY, MEERUT, 2016
- DEPUTY CONTROLLER, EVALUATION, CCS UNIVERSITY, MEERUT, 2015
- DEPUTY CONTROLLER, EVALUATION, CCS UNIVERSITY, MEERUT, 2011
- DEPUTY CONTROLLER, EVALUATION, CCS UNIVERSITY, MEERUT, 2010

### **ACHIEVEMENTS**

- Best Teacher Award in 2002 by the Dev Nagri Shiksha Samiti, Meerut
- Vishistha Shikashak Samman in 2013 by the Executive Committee of the College
- Special Award (for NAAC Accreditation of College) in 2015 by the Executive Committee of the College.
- Special Award in 2017 by the Executive Committee of the college for excellent efforts.
- Award for Best discipline of the college in 2018 by the Executive Committee of the college as Principal.
- Guru Shresth Abdul Kalam Awarded by the Hon'ble Commissioner, Meerut Zone, Meerut under the banner of Mishika Education and Social Welfare Society, Meerut.
- ``Saraswati Samman-2018`` Awarded by the **Uttar Pradesh Government**.

### **EFFORTS**

- Best discipline of college
- Best results of college in C.C.S. University, Meerut
- College as Best Centre of Personality development



Bstado

**DR B.S. Yadav**