


FACULTY DETAILS PAGE ON WEB-SITE

Name	DR. MANOJ KUMAR SINGH	Photograph
Designation	ASSISTANT PROFESSOR (UNDER SELF FINANCE SCHEME)	
Department	DEPARTMENT OF PHYSICS	
Address (Campus)	D. N. (PG) COLLEGE, MEERUT	
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Education

Subject	Institution	Year	Details
Ph.D.	H.N.B. Garhwal University, Srinagar, Garhwal, Uttarakhand	2004	<i>Electronic and Vibrational Spectral Studies of Some Substituted Pyridines</i>
B.Ed.	C.C.S. University, Meerut	1992	<i>Second Division</i>
P.G.(M.Sc.Physics)	Meerut University, Meerut	1990	First Division
U.G. (B.Sc.)	Meerut University, Meerut	1987	Second Division

Career Profile

Organization/Institution	Designation	Duration	Role
D. N. COLLEGE, MEERUT	Part Time Lecturer	1991-1992	<i>A Mentor, a Guide and a navigator to the students</i>
AMBEDKAR INTER COLLEGE, GARH ROAD, MEERUT	Lecturer	1993-2003	<i>A Mentor, a Guide and a navigator to the students</i>
D. N. COLLEGE, MEERUT	Assistant Professor (Under self finance scheme)	2003- Till date	<i>A Mentor, a Guide and a navigator to the students</i>

Research Interests / Specialization

In Primary researches with original studies – Atomic and Molecular Spectroscopy

Teaching Experience (Subject / Courses Taught)

Intermediate: 10 Years (Physics)

B.Sc.: 12+ Years (Mathematical Oscillations and Waves, Electricity and Magnetism, Basic Circuit and Fundamentals, Heat and Thermodynamics).

M.Sc.: 10+ Years (Atomic and Molecular Spectroscopy, Classical Mechanics, Nuclear Physics, Electromagnetic Theory and Plasma Physics).

Research Supervision	Awarded	Submitted	Working
Ph.D.	None	None	1

Publications (since 2007)

In Indexed / Peer Reviewed Journals/Edited Books/ Proceedings

1. **Structural Studies and Ab initio, density functional theory of 2,6-diamino-3-nitrosopyridine**, "International Transactions in Applied Sciences", Vol. 1 No.4, *December 2009* ISSN 0974-7273, Pp. 581-594.
2. **Molecular Polarizability of 2-hydroxy-4-methyl Pyrimidine hydrochloride**, "International Transactions in Applied Sciences", Vol. 3 No.3, *Jul-Sep 2011* ISSN 0974-7273, Pp. 537-542.
3. **Molecular Polarizability and Thermodynamic parameters of 6-bromo-2-methylquinoline**, "International Transactions in Applied Sciences", Vol. 4 No.1, *Jan-March 2012* ISSN 0974-7273, Pp. 61-72.
4. **Vibrational spectroscopy investigation using ab initio and density functional theory analysis on the structure of 6-bromo-2-methylquinoline**, *Ultra Scientist* Vol. 24(2)B , 2012 ISSN 2231-346X, Pp. 277-294.
5. **Combined Experimental and Computational study of UV-VIS Spectra of 6-bromo-2-methylquinoline**, *Acta Ciencia Indica*, Vol. XXXVIII P No.4, 2012 ISSN 2231-346X, Pp. 257-266.
6. **Comparative Vibrational Spectroscopic Studies of 7-chloro-4-hydroxy-3-quinolinecarboxylic acid based on density functional theory**, *IOSR Journal of Applied Physics* Vol. 1 Issue 3 , *July-August 2012*.

9. RESEARCH PAPERS PRESENTED AND PUBLISHED

(A) INTERNATIONAL:

1. **Ab-Initio Hartee Fock and DFT Calculations of 2-amino-3-benzyloxy pyridine**, International Conference: Recent Trends in Interdisciplinary Sciences: Opportunities and Challenges, Faculty of Science, M.M.College, Modinagar (U.P.). Feb 28-March 01, 2014.

(B) NATIONAL:

1. **National Seminar on "Environment & Human Concern"**, D.N.College, Meerut(U.P.). February 17, 2008.
2. **Vibrational Spectroscopic investigation using ab initio and DFT of the structure of 6-bromo-2-methylquinoline**, 3rd National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut(U.P.). 5-6 February, 2011.
3. **Vibrational Spectroscopic Studies of Substituted Pyridines**, Conference on "Emerging Trends of Science & Technology-2013", Monad University, Hapur, 9th November, 2013.
4. Attended National Seminar on Role of Ion Beam in Materials Science and Acquaintance Programme on Ion Beam Facilities at IUAC New Delhi, Department of physics, C.C.S. University, 20 September, 2013.