


FACULTY DETAILS PAGE ON WEB-SITE

Name	Mr. Jayant Teotia	Photograph
Designation	Assistant Professor	
Department	Physics Department	
Address (Campus)	D.N. College, Railway Road, Meerut – 250002	
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Education

Subject	Institution	Year	Details
Ph.D.	C.C.S. University, Meerut	Submitted in 2012	<i>Electronic and Vibrational Spectral Studies and Calculation of Some Physical Parameters of Some Substituted Quinolines</i>
NET-JRF (Physical Sciences)	CSIR, New Delhi	2006	Qualified
P.G. (M.Sc. Physics)	C.C.S. University Campus, Meerut	2005	First Division
U.G. (B.Sc.)	Meerut College, Meerut (C.C.S.)	2003	First Division

	University, Meerut)		
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Career Profile

Organization/Institution	Designation	Duration	Role
D. N. College, Meerut	Assistant Professor	Since 24-01-2009	<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)

B.Sc.: 5+ Years (Mechanics and Relativity, Basic Circuit and Fundamentals, Heat and Thermodynamics, Quantum and Statistical Mechanics, Atomic and Molecular Spectroscopy, Nuclear Physics, Solid State Physics).
M.Sc.: 5+ Years (Mathematical Physics, Atomic and Molecular Spectroscopy, Classical Mechanics, Nuclear Physics, Statistical Mechanics, Electromagnetic Theory and Plasma Physics).

Publications (since 2007)

In Indexed / Peer Reviewed Journals/Edited Books/ Proceedings

- 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.
- Infrared, Laser Raman Spectral Studies and Thermodynamic properties of 2-amino-4,6-dimethoxy Pyrimidine Molecule**, "International Transactions in Applied Sciences", Vol. 1 No.4, December 2009 ISSN 0974-7273, Pp. 609-620.
- Vibrational Spectral Analysis, Molecular Polarizability and Structural Parameters for Substituted Aniline**, "International Transactions in Applied Sciences", Vol. 2 No.2, June 2010 ISSN 0974-7273, Pp. 233-243.
- Influence of Transverse Shear and Rotatory Inertia on Thermal Vibrations of Infinite Plate of Parabolically varying Thickness**, "International Transactions in Applied Sciences", Vol.2 No.3, Jul-Sep 2010 ISSN 0974-7273, Pp. 422-443.
- 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.
- Quantum Chemical Investigations, Vibrational Assignments & DFT calculations of 5-amino-6-nitroquinoline**, Full Paper Published in Proceeding of National Conference on upcoming Trends in Chemical Sciences, Department of Chemistry, Shri Anand College of Science, Pathardi, Ahmednagar, Maharashtra, 6-7 September, 2013. ISBN-971-81-905776-99-9.

RESEARCH PAPERS ATTENDED / PRESENTED**(A) INTERNATIONAL:**

1. **Molecular Vibrational Assignments and various Parameters of some substituted Quinoline using Density Functional Theory**, 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. **Vibrational Spectroscopic investigations, ab initio & DFT studies of some substituted Quinoline**, National Symposium on Lasers & their Applications, Physics Department, C.C.S. University, Meerut (U.P.). 12 September, 2009.
2. **Analysis of vibrational spectra of 6-chloro-2-methylquinoline based on density functional theory & ab initio Hartree-Fock calculations**, 2nd National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut(U.P.). 30-31 January, 2010.
3. **A Review on Density Functional Theory**, 3rd National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut(U.P.). 5-6 February, 2011.
4. Attended International Workshop **“Introduction to Gaussian: Theory and Practice”**, Central Leather Research Institute, and Indian Institute of Technoly, Madras, January 2-6, 2012.
5. **FT-IR and FT-Raman spectra , vibrational assignments, NBO analysis and DFT calculations of some quinoline derivative**, 4rd National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut(U.P.). 17-18 March, 2012.
6. **FT-IR and FT-Raman spectra , vibrational assignments and DFT calculations of some substituted quinoline**, National Seminar on “ Recent Advances in Condensed Matter Physics”, Department of Physics, D.A.V.(PG) College, Muzaffarnagar, 19-20 March, 2013.
7. **Quantum Chemical Investigations, Vibrational Assignments& DFT calculations of 5—amino-6-nitroquinoline**, National Conference on upcoming Trends in Chemical Sciences, Department of Chemistry, Shri Anand College of Science, Pathardi, Ahmednagar, Maharashtra, 6-7 September, 2013.
8. 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.
9. **FT-IR, FT-Raman and DFT studies of some substituted quinolines**, National Conference on “Emerging Trends of Science &Technology-2013”, Monad University, Hapur, 9th November, 2013.

Orientation / Refresher Courses:

S. No.	Course	Duration	Conducted by
1	Orientation Course	27-09-2010 to 22-10-2010	Academic Staff College, Jawaharlal Nehru University, New Delhi
2;	Refresher Course	07-01-2013 to 26-01-2013	Academic Staff College, University Of Rajasthan, Jaipur