


## FACULTY DETAILS PAGE ON WEB-SITE

Name	<b>DR. RITU SARAN</b>	Photograph
Designation	Associate Professor	
Department	Physics	
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### Education

Subject	Institution	Year	Details
Ph.D.	C.C.S. University, Meerut	2009	Physics (Molecular Spectroscopy)
M.Phil.	Meerut University Campus, Meerut	1991	First Division
P.G.(M.Sc.Physics)	Meerut University Campus, Meerut	1989	First Division
U.G. (B.Sc.)	Meerut college, Meerut University, Meerut	1987	First Division

### Career Profile

Organization/Institution	Designation	Duration	Role
D.A.V. College, Muzaffarnagar	Lecturer	2001-2008	<i>A Mentor, a Guide and a navigator to the students</i>
D.N. College, Meerut	Associate Professor	2008- Till date	<i>A Mentor, a Guide and a navigator to the students</i>

### Teaching Experience

Level	Teaching Experience	Name of Institution
Under Graduate	13 Years	D.A.V. College, Muzaffarnagar, D.N. College, Meerut
Post Graduate (Under Self-Finance Scheme)	13 Years	D.A.V. College, Muzaffarnagar, D.N. College, Meerut

## Publications (since 2007)

### In Indexed / Peer Reviewed Journals/Edited Books/ Proceedings

1. **Molecular Polarizability and Vibrational Spectra of 2,6-dihydropyridine hydrochloride**, "Research Journal of Chemistry and Environment", Vol. 11(1), 2007 Pp. 27.
2. **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.
3. **Vibrational spectroscopy investigation using ab initio and density functional theory analysis on the structure of 6-bromo-2-methylquinoline**, Ultra Scientist Vol. 24(2), 2012 ISSN 2231-346X, Pp. 277-294.
4. **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 Pp. 27-37.
5. **Influence of Transverse shear and Rotatory Inertia on Thermal Vibrations of an Isotropic Circular Plate of Linearly varying thickness**, "International Transactions in Applied Sciences", Vol. 5 No.2, Apr-Jun 2013 ISSN 0974-7273, Pp. 333-344.

### Research papers Attended / Presented

#### (A) INTERNATIONAL:

1. Attended 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. Attended "National Symposium on Lasers & their Applications", Physics Department, C.C.S. University, Meerut (U.P.). 12 September, 2009.
2. **Vibrational studies of 2-amino 3-benzyloxy pyridine**, 2<sup>nd</sup> National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut(U.P.). 30-31 January, 2010.
3. **Analysis of vibrational spectra of 2-methoxy 5-nitro pyridine using HF Theory**, 3<sup>rd</sup> National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut (U.P.). 5-6 February, 2011.
4. **Biosensing- A fast emerging Technology**, 4<sup>th</sup> National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N. College, Meerut(U.P.). 17-18 March, 2012.
5. Attended National Seminar on "Recent Advances in Condensed Matter Physics", Department of Physics, D.A.V.(PG) College, Muzaffarnagar, 19-20 March, 2013.
6. 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.