

## FACULTY DETAILS PAGE ON WEB-SITE

Name	<b>Dr. Vijay Kumar</b>	Photograph
Designation	Assistant Professor (Under Self Finance Scheme)	
Department	Physics Department	
Address (Campus)	D.N. College, Near Ghanta Ghar, Meerut – 250002	
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### Education

Subject	Institution	Year	Details
Ph.D.	C.C.S. University, Meerut	2006	<i>Thermal Effect on Vibrations of Isotropic Elastic Plates</i>
P.G. (M.Sc. Physics)	N.A.S. College, Meerut, (C.C.S. University, Meerut)	2003	First Division
U.G. (B.Sc.)	D.N. College, Meerut (C.C.S. University, Meerut)	2001	Second Division

### Career Profile

Organization/Institution	Designation	Duration	Role
D. N. College, Meerut	Assistant Professor	2006 to Till date	<i>A Mentor, a Guide and a navigator to the students</i>

### Research Interests / Specialization

In Primary researches with original studies – Sound and Vibrations on Elastic Plates

### Teaching Experience (Subject / Courses Taught)

**B.Sc.:** 8+ Years (Waves, Oscillations and Mathematical Methods, Mechanics and Relativity, Optics, Circuit Fundamentals and Basic Electronics, Heat and Thermodynamics, Relativity and Statistical Physics, Solid State Electronics).

**M.Sc.:** 8+ Years (Classical Mechanics, Statistical Mechanics, Condensed Matter Physics, Physics of Nano Material Physics)

### Publications (since 2007)

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

- 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.
- 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.
- Molecular Polarizability and Thermodynamic Parameters of 6-bromr-2-Methylquinoline**, "International Transactions in Applied Sciences", Vol. 4 No.1, *Jan-Mar 2012*, ISSN 0974-7273, Pp. 61-72.
- Influence of Transeverse 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, *Apl-Jun 2013* ISSN 0974-7273, Pp. 333-344.

#### RESEARCH PAPERS ATTENDED / PRESENTED

##### (A) INTERNATIONAL:

- 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:

- National Seminar on "Environment & Human Concern"**, D.N.College, Meerut(U.P.). February 17, 2008.
- Poster Presentation in National Symposium on Lasers & their Applications, Physics Department, C.C.S. University, Meerut (U.P.). 12 September, 2009.
- Attended, 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.
- Influence of Transverse Shear and Rotatory Inertia on Thermal Vibrations of an**

**Isotropic Circular Plate of Parabolically Varying thickness**, 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.

5. **Influence of Transverse Shear and Rotatory Inertia on Thermal Vibrations of an Isotropic Circular Plate of Linearly Varying thickness**, National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences. D.N.College, Meerut(U.P.). 17-18 March, 2012.
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.