

# Curriculum Vitae

## **Dr. Vinod Kumar Singh**

Associate Professor  
Department of Physics  
K.S. Saket Post Graduate College,  
Ayodhya-224123, U.P.  
(Affiliated to Dr. R.M.L. Avadh University, Ayodhya)  
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### **Personal Details :**

Father's Name : Shri Shubh Narayan Singh  
Date of Birth : June 24, 1968  
Sex : Male  
Marital Status : Married  
Languages Known : English, Hindi, Sanskrit  
Nationality : Indian

### **Address for Correspondence:**

609, Civil Line No.-1,  
Near-P.W.D. Office  
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### **Educational Qualifications :**

- M.Sc., Ph.D. (**Physics**) From Dr. R.M.L. Avadh University, Ayodhya, U.P.

### **Teaching Experience :**

Teaching Experience in U.G. & P.G. Classes: **29 Years**

- Associate Professor in the Department of Physics G.S.P.G. College, Sultanpur (07.02.1991 - 19.09.2007)
- Associate Professor in the Department of Physics at K.S. Saket P.G. College, Ayodhya (20.09.2007 - till date)

### **Research paper Published in Journals :**

1. A.K. Srivastava, **V.K. Singh** & M.P. Singh , "Model of Black Hole Entropy in Induced Gravity .", PAS , **2008** (14), 86-88.
2. **V.K. Singh**, V.P. Dubey & A.K. Srivastava , "On Quantum Theory in External E.M. Fields.", PAS , **2008** (14), 89-94.

3. A.K. Srivastava, **V.K. Singh** & G.S. Dubey , "The Problem of Black Hole Entropy.", PAS , 2008 (14), 95-98.
4. **V.K. Singh**, Rajesh K Verma, Ashish & Om Prakash , "Possible Observation of Energy Level Quantisation in an Intrinsic Josephson's Junction.", PAS , 2008 (14), 118-122.
5. **V.K. Singh**, Om Prakash & R.K. Verma , "Solar Longitudinal Distribution of Solar Flares in Association with Forbush Decreases.", PAS , 2008 (14), 123-129.
6. **V.K. Singh**, Rajesh Kumar , "High Temperature Superconductivity From Complexity to Simplicity.", Research Link, 2008 VII(2),5-6.
7. Ashish Caudhary, A. Pandey, Rajesh K, S.N.D & **V.K. Singh** et.al; "Forecasting of rain Fall using statistical Technique over Faizabad Region". "International Transactions in Applied Sciences (ITAS), 2012, (4), 195-
8. Rajesh Kumar, A Chaudhary, S.N.Tiwari, S.N.D., A. Pandey, **V.K. Singh**, O.P. Yadav, "Wind Speed Prediction Using Statistical Regression Over Faizabad Region.", Acta Ciencia India, 2012, XXXVIII(4), 227-234.
9. S.N. Diwedi, Rajesh Kumar, A Chaudhary, **V.K. Singh** et.al; "Analysis of Bright Sunshine Using Regression Over Ayodhya Region.", ISST J. Applied Physics, 2012, 3(1), 29-32.
10. A Chaudhary, Rajesh Kumar, A Pandey, S.N.D, **V.K. Singh**, O.P. Yadav; "Prediction of Rainfall Using ARIMA Model .", ISST J. Applied Physics, 2012, 3(1), 33-36.
11. Rajesh Kumar, A Chaudhary, A.Pandey, N Diwedi, **V.K. Singh** et.al; "Analysis of Wing Speed Using ARIMA Model.", Acta Ciencia Indica, 2013, XXXZXP (3), 135-140.
12. C.K. Dixit, R.P. Sharma, **Vinod Singh**, "Electrical and XRD Behaviour of Ba ( $W_{0.70}Zr_{0.3}$ )  $O_4$  ; IJERT, 2014 (3), 6, 1552-1555).

#### **Books Published :**

1. **Kinetic Theory of Thermodynamics**, S.J Publication, Meerut, 2011.
2. **Mechanics & Wave Motion**, S.J. Publication, Meerut, 2011.
3. **Circuit Fundamentals and Basic Electronics**, S.J. Publication, Meerut, 2011.
4. **Practical Physics**, B.Sc.-I, S.J. Publication, Meerut, 2011.
5. **Physical Optics and Lasers**, S.J. Publication, Meerut, 2012.
6. **Electromagnetics**, S.J. Publication, Meerut, 2012.
7. **Elements of Quantum Mechanics, Atomic and Molecular Spectra**, S.J. Publication, Meerut, 2012.

8. **Practical Physics**, B.Sc.-II, S.J. Publication, Meerut, 2012.
9. **Relativity and Statistical Physics, Practical Physics**, S.J. Publication, Meerut, 2013.
10. **Solid State and Nuclear Physics**, S.J. Publication, Meerut, 2013.
11. **Solid State Electronics**, S.J. Publication, Meerut, 2013.
12. **Practical Physics**, B.Sc.-III, S.J. Publication, Meerut, 2013.

**Research (Ph.D.) Supervised :**

- No. of Ph.D. Supervised - 04 (Awarded)
1. **Rajesh Kumar**, "Study of forecasting technique and application of relation between Wind Velocity & Temperature in eastern U.P."
  2. **Ashish Chaudhury**, "Study of forecasting technique of rainfall and temperature in eastern U.P."
  3. **S.N.D. Dwivedi**, "Study of forecasting technique and application of bright sunshine, cloud cover and temperature in eastern U.P."
  4. **Anupam Kumar Pandey**, "Study of forecasting technique and application of the relation of relative humidity, cloud cover & temperature in eastern U.P."

**Improvements of Professional Competence:**

1. **Orientation Course of 4 weeks at Academic Staff Collage**, D.D.U. Gorakhpur University, Gorakhpur 2007.
2. **Refresher Course at Academic Staff Collage**, Aligarh Muslim University, Aligarh 2008.
3. **Refresher Course at Academic Staff Collage**, CPDHE University of Delhi 2008.
4. **Refresher Course at Academic Staff Collage**, CPDHE University of Delhi University, Delhi 2009.

**Seminar/Symposium/Conferences/Workshop Attended :**

1. 17<sup>th</sup> Annual Conference of Purvanchal Academic of Science, held at K.S. Saket P.G. College, Ayodhya, Feb 19 & 20, 2008.
2. "Professional Development of Teachers in Global Perspective" Paper entitled "BLACK HOLE ENTROPY IN STRING THEORY" organized by College of Education Bilaspur Greater Noida, 25 & 24 Nov. 20, 2010.
3. National Seminar on "ROLE OF MEDIA IN WAR AND TERRORISM" Paper entitled "NEW TECHNOLOGY AND NEW TYPE TERRORISM" organized by Department of Defence & Strategic Studies Ishwar Sharan Degree College, Prayagraj, Nov. 13, 14, 2010.

4. National Symposium on Recent Researches in Physics and Biological Sciences., National Academy of Sciences, held at KNIPSS Sultanpur, Feb, 14-15,2011.
5. National Seminar on "New Dimensions of Security Challenges in South Asia : Diagnosis & Prognosis" Paper entitled "ELECTRONIC GADGETS : NEW THREAT TO SECURITY" 15 & 16 Oct., 2011.
6. IQAC: Total Internal Quality Management, U.P. Govt., UPSHEC, held at Dr. R.M.L. Avadh University, Ayodhya, 2012.
7. National Seminar on "RESERVATION POLICY AND DALITS" Paper entitled "ROLE OF TECHNOLOGY TO PREVENT DALIT DISCRIMINATION" organized by K.S. Saket P.G. College, Ayodhya, Oct. 26-27, 2013.
8. National Seminar on "RECENT ADVANCES IN PHYSICAL SCIENCES" Paper entitled "NEW METHODOLOGY OF ANALYSING WIND SPEED" organized by U.P. College Varanasi Feb. 28, 2015.
9. Science Academies Lecture- Workshop on "RECENT PERSPECTIVES IN COMPUTATIONAL AND EXPERIMENTAL CHEMISTRY" organized by U.P. College Varanasi Jan 17-19, 2017.
10. Participated as mentor in the INSPIRE INTERNSHIP - 2014 Program on 17.12.2014 held at G.S.P.G. College, Sultanpur (Sponsored by- An Initiative of DST, Govt. of India).
11. Workshop on Development of Low Cost Scientific Experiments to Inspire Inquiring Spirit Among Students on Oct. 28-20, 2013 held at Department of Physics, Govt. P.G. College, New Tehri, Garhwal, Uttarakhand.
12. Certificate of Participation in CYBER CRIME AND SECURITY WORKSHOP organised by Image Building at K.S. Saket P.G. College Ayodhya, on Aug.10-11, 2016

**Life Membership :**

- Life Member of "**Indian Association of Physics Teachers**", (Membership No. 9675L6008)

**Administrative Assignments :**

- **Director**, Computer Science Department, K.S. Saket P.G. College, Ayodhya.
- **Proctor**, K.S. Saket P.G. College, Ayodhya. (July, 2008 – till now)
- **Member**, Academic Committee of the College.
- **Member**, I.Q.A.C. of the College.
- **Member**, Board of Studies Physics of Dr. R.M.L. Avadh Univ. Ayodhya.
- **Co-ordinator and Dy. Co-ordinator** of evaluation of University exams of Dr. R.M.L. Avadh Univ. Ayodhya.
- **Member** in Seniority Determination Committee of the Dr. R.M.L. Avadh Univ. Ayodhya.

- **Member** of C.D.C. of Dr. R.M.L. Avadh Univ. Ayodhya.
- **Expert** in the Selection of Lecturers in Degree College of Dr. R.M.L. Avadh Univ. Ayodhya.
- **Panel member** of the Affiliation committee of Dr. R.M.L. Avadh Univ. Ayodhya.
- **Nodal Officer** of the College for AISHE.
- **Convener** of Admission committee of the College.
- **Incharge** of Grievance Redressal Cell of the College.
- **Observer** in Student Union Election in College.
- **Assistant Election Officer** in the Student Union Election in the College.
- **Member** Seat Matrix Committee of the College.
- **Expert** in Selection of the Principal, PGT & TGT Exam in U.P. Madhyamik Shiksha Sewa Chayan Board, Prayagraj.
- **Observer** in Examination of various universities and Commission.
- **Observer** in B.Ed. Entrance Examination.
- **Observer** in Examination of Assistant Professor conducted by UP Higher Education Service Commission Prayagraj.
- **Observer** in L.T. & Lecturer grade examinations conducted by U.P. Madhyamik Shiksha Sewa Chayan Board, Prayagraj.

**Social Activity :**

- Secretary, Committee of Management, Dr. P.S.S. Degree College Ghatampur, Amethi.
- Dy. Manager Committee of Management, R.P.S. Janta Inter College Rampur, Sultanpur.
- Treasurer, Committee of Management, Ramkali Girls Inter College, Sultanpur.
- Assistant Manager, Committee of Management, M.G.S. Inter College Sultanpur.
- Member, Committee of Management of Saraswati Vidya Mandir Senior Secondary School, Shastri Nagar, Sultanpur.
- Member, Sanjay Gandhi P.G. College Chaukia, Sultanpur.

Date :

Place :

**(Dr. Vinod Kumar Singh)**