**Curriculum Vitae**

1. **Personal Information**:



Name : Dr. SANTOSH KUMAR

Father’s Name : Late Mr. Balchand

Mobile No. : 9532574675

E-mail : skumarpu@rediffmail.com

Category : S.C.

Date of Birth : 15/07/1977

1. **Current Position** : **Associate Professor**
 Department of Physics
 Faculty of Engineering & Technology,
 Veer Bahadur Singh Purvanchal University,
 Jaunpur–222003(U.P.), India.
2. **Date of joining** : 03 March, 2003
3. **Teaching Experience** : Assistant Professor (03-03-2003 to 17-05-2018) 15

Yr 2 month, Associate Professor(18-05-2018 to till date)

1. **D.Phil. :** 2009, University of Allahabad, Allahabad

**Topic :** Investigations of the Spectra of Diatomic Molecule

1. **Research Interests :** *Spectroscopy , Laser Spectroscopy and Molecular*

*Physics*

1. **Postal address** : Department of physics, faculty of engineering

& technology, V.B.S .Purvanchal University Jaunpur-222003, u.p.

1. **Permanent Address** : Dr. Santosh Kumar

Village: Pandeypar, P.O.: mohammadabad sipah via doharighat, dist.: azamagarh (U.P.) -275303

**Educational Qualifications:**

|  |  |  |  |  |  |
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| **Exam. passed**/**Degree awarded** | **Board/ University** | **Year of passing** | **% of marks obtained/ CGPA** | **Division** | **Subjects** |
| High School | U.P .Board | 1992 | **72.1** | **First** | Hindi, English, Science-2, Mathematics-2, Social Science, Biology |
|  Intermediate | U.P. Board | 1994 | **63.6** | **First** |  Physics , Mathematics Chemistry Hindi , English |
| B.Sc. | Allahabad University | 1997 | **52.3** | **Second** | Physics , Mathematics Chemistry |
| M.Sc. | Allahabad University | 1999 | **63.9** | **First** | Physics (Spectroscopy) |
|  NET(L.S.) | CSIR, New Delhi | Dec’2000 | **-** | **-** | Physical Science |
| J.R.F.- NET | CSIR, New Delhi | July 2001 | **-** | **-** | Physical Science |
| D.Phil. | Allahabad University | 2009 |  |  | Science (Physics) |

1. **Present employments**

|  |  |  |
| --- | --- | --- |
| **Name of theEmployer**  | **Designation of the post and duration of employment period** | **Pay**  |
| **Post** | **Duration** |
| Registrar, V.B.S. Purvanchal UniversityJaunpur- 222003 | Assistant Professor (Permanent Post) | 03-03-2003 to 17-05-2018 | Pay scale 15,600-39,100 with AGP 8,000/-  |
| Associate Professor (Permanent Post) | 18-05-2018 to till date | Pay scale 37400 to 67000 with AGP 9,000/-  |

1. **RESEARCH PUBLICATIONS**

**(A) *Papers Published* in Journals**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.** | **Title with page nos.** | **Journal**  | **ISSN/ISBN No.** |  **Authors** |
| 1 | Effect of 1,3- distributed pyrazole-5-one derivatives, photo stability of dyes on proteins molecules 4,187, (2017) | Current Journal   | ISSN No.2348-6228 | Amrendra Kumar Singh & **S. Kumar**  |
| 2 | Synthesis and characterization of some novel 4-Arylmethylene-2,4 dihydro-2,5-distributed-3 H-Pyrazaol-3 ones and 4,4’- Arylmethylene bis -(2,4- dihydro-2, 5- distributed-3H-pyrazol-3-ones.) 1,244, (2017) | International Journal of Management, Law& Science Studies | ISSN No.2456-4303 | Amrendra Kumar Singh & **S. Kumar**  |
| 3 | Calculation of Thermodynamical quantities from Spectroscopic data3,256, (2016) | The Voice | ISSN No.2348-6708 | **S. Kumar** |
| 4 | Thermal Emission Spectrum of the Cobalt Monobromide, 46,1-8 (2013) | Spectroscopy Letters  | ISSN No.0038-7010 | **S. Kumar**, Pavitra Tandon, Renu Singh and K.N.Uttam |
| 5 | Elemental composition of radish by dc Arc Optical emission spectroscopy, 1(1),41-44,2013 | Science &Technology Journal  | ISSN No.2321-3388 | Suchi Srivastva,PavitraTandon, Renu Singh, **S.Kumar** and K.N.Uttam |
| 6 | Thermodynamical quantities of potassium monohalides from spectroscopic data, A,78, 249, (2008) | Proc. of National Academy of Sciences India, Section A |  ISSN No.0369-8203 | K.N. Uttam, **S.Kumar**, Renu Singh and PavitraTandon |
| 7 | Calculation of Thermodynamical quantities of Alkaline earth metal monohydride from spectroscopic data, 51, 209, (2008) | Vijanana Parishad Anushandhan Patrika |  ISSN No.0505-5806 | PavitraTandon,Renu Singh, Shipra Tiwari, Shuchi Srivastava,**S.Kumar**, and K.N. Uttam |
| 8 | Calculation of Thermodynamical quantities of Alkali metal dimers from spectroscopic data, 49, 145, (2006) | Vijanana Parishad Anushandhan Patrika | ISSN No. 0505-5806 | **S.Kumar**, Renu Singh PavitraTandon, and K.N. Uttam and M.M. Joshi |
| 9 | Thermodynamical quantities of Rubidium monohalides from spectroscopic data, 49, 01, (2006) | Vijanana Parishad Anushandhan Patrika |  ISSN No.0505-5806 | **S. Kumar**, V.P.Gupta, PavitraTandon, Renu Singh and K.N.Uttam, |
| 10 | Calculation of Thermodynamical quantities of Cesiummonohalides from spectroscopic data, 48, 345, (2005) | VijananaParishadAnushandhanPatrika |  ISSN No.0505-5806 | **S. Kumar**, PavitraTandon, Renu Singh, V.P. Gupta and K.N. Uttam |
| 11 | Calculation of Thermodynamical Quantities of Lithium Monohalide from Spectroscopic Data, 48, 229 (2005) | Vijanana Parishad Anushandhan Patrika,  | ISSN No.0505-5 806 | **S. Kumar**, Renu Singh, PavitraTandon and V.P. Gupta, K.N. Uttam |
| 12 | Calculation of Thermodynamical Quantities of Sodium Monohalide from Spectroscopic Data, 47, 303 (2004) | Vijanana Parishad Anushandhan Patrika,  | ISSN No.0505-5806 | K.N.Uttam, **S. Kumar**, Renu Singh and PavitraTandon, |
| 13 | Spectroscopic Characterization of Diatomic Hydride Molecules, 47, 111 (2004) | Vijanana Parishad Anushandhan Patrika,  | ISSN No.0505-5806 | K.N.Uttam, **S. Kumar** and M.M. Joshi |
| 14 | Spectroscopic Characterization of Alkali Metal Monohalides, 45, 373 (2002) | Vijanana Parishad Anushandhan Patrika | ISSN No.0505-5806 | K.N.Uttam, **S. Kumar** and M.M. Joshi |

**(B) *Papers presented* in National and International Conferences**

|  |  |  |  |  |  |
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| **Sl.** | **Title of the paper presented** | **Title of Conference / Seminar** | **Organized by** |  **Date & Year** |  **National/ International** |
| 1 | Elemental Investigation of Wheat Grain By Direct Current Optical Emission Spectroscopy |  2nd Meghnad Saha Memorial International Symposium-cum- Workshop on Laser Induced Breakdown Spectroscopy,(MMISLIBS-II 2018) | Department of Physics, University of Allahabad, Allahabad-211 002 (India) | February 19 - 21, 2018 | International |
| 2 | Role of Science and Technology in Indian Education System | National Conference on Indian University Education System  | V.B.S. Purvanchal University, Jaunpur (U.P.)-222003 | October 28-30, 2017 | National |
| 3 | Rapid Assessment of Phytoelements in the Red Tomato by D C Arc Optical Emission Spectroscopy,  | International Conference on Emerging Materials and Applications (ICEMA-2017) | Department of Physics, University of Allahabad, Allahabad-211 002 (India) | February 20 - 22, 2017 | International |
| 4 | Detection of toxic elements in cosmetic product: talcum powder by Spectroscopy technique | International Conference on “Advances in Light Technologies and Spectroscopy of Materials(ICALTSM-2016)”  | Department of Physics, University of Lucknow, Lucknow  | January 16-18, 2016 | International |
| 5 | Thermodynamical properties of Ytterbium monohalide from spectroscopic data | International conference on “Light Quanta: Modern Perspectives &Applications”  | Department of Physics, University of Allahabad, Allahabad  | December 14-16, 2015 | International |
| 6 | Synthesis of thermally immiscible Ag-Ni alloy nano particles | National conference on Biotechnology and Human Welfare: New Vistas | Department of Biotechnology, V.B.S. Purvanchal University, Jaunpur | March 21-22, 2015 | National |
| 7 | Thermodynamical Properties of Alkaline Earth Monoxide from Spectroscopic Data | International Conference on Frontiers of Spectroscopy  | Department of Physics Banaras Hindu University, Varanasi  | January 10-12, 2015 | International |
| 8 | Synthesis of thermally immiscible Ag-Ni alloy Nano particles | National conference on Biotechnology and Human Welfare: New Vistas  | Department of Biotechnology, V.B.S.Purvanchal University, Jaunpur | March 21-22, 2015 | National |
| 9 | Synthesis and optical properties of Nano crystalline ZnO powder from Sol-Gel Method  | National Conference on “Application of High Pressure Techniques& Novel Materials in the Frontiers of Science” | National centre of Experimental Mineralogy and Petrology University of Allahabad, Allahabad  | October 25-26, 2013 |  |
| 10 | New Band Systems of the CoF Molecule in Thermal Emission | International Conference On Perspectives in Vibrational Spectroscopy | Department of Physics Banaras Hindu University, Varanasi  | February 21-24, 2010 | International |
| 11 | New band Systems of the CoBr Molecule  | Meghnad Saha Memorial Symposium on Emerging Trends in Laser & Spectroscopy and Applications | Physics Department, Allahabad University, Allahabad | March 23-25, 2009 | National |
| 12 | Thermodynamical Quantities of Cobalt Monohalide from Spectroscopic Data | National Symposium on Atomic and Molecular Structure, Interactions and Laser Spectroscopy | Physics Department, B.H.U. Varanasi | March 17-19, 2007 | National |
| 13 | Thermodynamical Quantities of Dimmer of Nitrogen Group Elements from Spectroscopic Data | 74th Annual Session of National Academy of Sciences, India, | University of Rajasthan, Jaipur. | Dec. 2-4, 2004 | National |
| 14 | Thermodynamical Quantities of Potassium Monohalide from Spectroscopic Data | 74th Annual Session of National Academy of Sciences, India, | University of Rajasthan, Jaipur. | Dec. 2-4, 2004 | National |
| 15 | Thermodynamical Quantities of Sodium Monohalide from Spectroscopic Data | National Symposium on Atomic and Molecular Structure, Interactions and Laser Spectroscopy | Physics Department, B.H.U. Varanasi | March 14, 2004 | National |
| 16 |  Investigations of Diatomic Hydride Molecules | 72 nd Annual Session of National Academy of Sciences, India | North Eastern Hill University, Shillong. | Oct. 25-27, 2002 | National |
| 17 | Investigations of Alkali Metals Monohalide | 72 nd Annual Session of National Academy of Sciences, India | North Eastern Hill University, Shillong. | Oct. 25-27, 2002 | National |

**12.Workshop *organized***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.** | **Duration** | **Name of the workshop** | **Sponsored by** | **Place** |
| 1. | Nov. 10-13, 2010 | Better Engineer | V.B.S. Purvanchal University, Jaunpur | Faculty of Engineering & Technology V.B.S. Purvanchal University, Jaunpur |
| 2 | Nov.26-30,2015 | Numerical solutions using MATLAB | V.B.S. Purvanchal University Jaunpur | Faculty of Engineering & Technology V.B.S.Purvanchal University, Jaunpur |
| 3 | Sept 17-18, 2016 | Communication Skills | V.B.S. Purvanchal University Jaunpur | Faculty of Engineering & Technology V.B.S.Purvanchal University, Jaunpur |
| 4 | Sept 08-10, 2017 | Growth of Science and Technology in the capus of Purvanchal University | V.B.S. Purvanchal University Jaunpur | V.B.S.Purvanchal University, Jaunpur |
| 5 | September 22,2018 | Samsamyik Paridrishya Me Akatm Manavvad | V.B.S. Purvanchal University Jaunpur | V.B.S.Purvanchal University, Jaunpur |

**13. Membership of Professional Bodies**: Life Member Ship of Laser and Spectroscopic society

Of India

**14**. **Training Courses:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.** | **Programme** | **Duration** | **Organized by**  |
| 1  | Orientation Programme | 26-08-2010 to 22-09-2010 | UGC-ASC Allahabad University, Allahabad (U.P.) |
| 2 | Refresher Course | 31-01-2012 to 20-02-2012 | UGC-ASC B.H.U. Varanasi (U.P.) |
| 3 | Training &Orientation Programme (For N.S.S. Programme Officers) | 17-11-2013 to 23-11-2013 |  Empanelled Training Institute ST. John’s College, Agra (U.P.) |
| 4 | Numerical computation using MATLAB | 26-11-2015 to 30-11-2015 | V.B.S.Purvanchal University, Jaunpur (U.P.) |
| 5 | Interaction Course on RF/Microwave Systems and Photonic Sensors | 14-04-2016 to 19-04-2016 | V.B.S.Purvanchal University, Jaunpur (U.P.) |
| 6 | Refresher Course | 11-07-2016to 30-07-2016 | UGC-HRDC University of Lucknow, Lucknow (U.P.) |
| 7 | Short term course | 15-06-2017 to 21-06-2017 | UGC-HRDC University of Lucknow, Lucknow (U.P.) |
| 8 | Faculty Development Programm (Under aegis of TEQIP-III) | 20-09-2018 to 23-09-2018 | U.N.S.I.E.T, V.B.S.Purvanchal University, Jaunpur (U.P.) |

**15. Academic responsibilities hold in V.B.S. Purvanchal University Jaunpur:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.** | **Position Held** | **Period** | **Contribution** |
| 1 |  Head, Department of Physics | 12-11-2003 to till date | For smooth pursuance of administrative, teaching and research work in the department |
| 2 | Convener Board of Studies Deptt. of Physics, Faculty of Engg. & Technology | Sept’2005 to till date | To moderate syllabus of B. Tech courses |
| 3 | Member of Academic Council of V.B.S. Purvanchal University, Jaunpur |  16-05-2017 to till date | To discuss and resolved academic matter |
| 4 |  Centre Superintendent, Combined B.Ed. Entrance Test -2012 |  April, 2012 | For smooth conduction of competitive examination  |
| 5 | Centre Superintendent, M.Ed. Entrance Test for the session 2014-15 | May, 2015 | For smooth conduction of Entrance Test |
| 6 | Observer, Annual Examination 2014 and 2015 | March To May -2014 &March To May -2015 | To observe the Annual Exam-2014, V.B.S P.U. Jaunpur in all affiliated colleges |
| 7 |  Assistant Coordinator Central Evaluation 2012, 2014, 2015, 2016 | April- June2012April to July-2014April to June 2015 | To observe and contribute in Evaluation work |
| 8 |  Coordinator, U.G.C. Sponsored Remedial Coaching | 25-01-2014 to 30-04-2017 | To manage remedial coaching for all the students(SC/ST, OBC, Minority & BPL) studying in the University campus |
|  |  Coordinator, Purvanchal University Common Admission Test- 2015 (PUCAT-2015), Co- Convenor PUCAT-2017 | 2015-16 and 2017-18  | To Assist the Chairman of PUCAT-2015 and 2017  |

**16**. **Administrative Responsibilities holdin the V.B.S.Purvanchal University, Jaunpur**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.** | **Position Held** | **Period** | **Contribution** |
| **1** | Proctor | 20-12-2016 to till date |  To maintain discipline in University campus |
| **2** | Assistant Proctor | 27-08-2007 to 30-06-2008 |  To assist Chief Proctor in maintaining discipline in University campus |
| **3** | Assist. Dean of students Welfare | 27-09- 2014 to till date | To Assist Dean of Student Welfare, V.B.S. P.U. Jaunpur |
| **4** |  Warden, Vishwakarma Hostel V.B.S. P.U. Jaunpur | 29-11-2011 to 30-11-2012 |  To monitor and maintain all the necessary facilities of the students living in hostel |
| 5 | Warden, Old B. Tech. Hostel V.B.S. P.U. Jaunpur | 30-11-2012 to 19-08-2013 | To monitor and maintain all the necessary facilities of the students living in hostel |
| 6 | Programme Officer, National Service Scheme(N.S.S.) | 16-09-2011 to 15-09-2015 | To motivate the students for the development of their personality through community service |
| 7 |  Coordinator, SC/ST B.Tech. & M.C.A. Scholarship Cell | 19-09-2003 to 21-03-2012 | For smooth pursuance of administrative work related to Scholarship of students |

**17.Awards/recognitions won**

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| Awarded Junior research fellowship by CSIR New Delhi (July 2001)  |

**18**. **Brief details of Co-curricular and extra-curricular activities**

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| **S. No.** | **Details** |
|  | Coordinatorof a committee constituted for making proposal and implementation under **“स्वच्छभारतअभियान”** by theV.B.S.Purvanchal University Jaunpurw.e.f. 29/05/2015 |
|  |  Convener, National Seminar cum Workshop on “Awareness cum Treatment Camp of Acupressure” on 6-7 thFebruary 2015, organized by V.B.S. Purvanchal University, Jaunpur |
|  | Programme Officer, N.S.S. of Faculty of Engineering, V.B.S.Purvanchal University Jaunpurw.e.f. 16/09/11 to 15-09-2015 |

I certify that the aforementioned information is correct and complete to the best of my knowledge and belief.

Place : Jaunpur

Date: 01-06-2018 Dr. (Santosh Kumar) Name &Signature of Candidate