

CURRICULUM VITAE

Name : Pradeep Kumar

Father's Name : Shri Mohan Ram

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Date of Birth : 03.03.1974

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Present Occupation

Employer	Designation	Pay Scale	Date of Joining
V.B.S. Purvanchal University, Jaunpur	Lecturer, Department of Biotechnology	8000-275-13500	10.01.2000
V.B.S. Purvanchal University, Jaunpur	Assistant Professor, Department of Biotechnology	15600-39100 (AGP-7000)	10.01.2006
V.B.S. Purvanchal University, Jaunpur	Assistant Professor, Department of Biotechnology	15600-39100 (AGP-8000)	10.01.2011
V.B.S. Purvanchal University, Jaunpur	Associate Professor, Department of Biotechnology	37400-67000 (AGP-9000)	10.01.2014

Education

Examination Passed	University/Board	Year of Passing	Subjects	Division
Secondary School Examinations (Class X)	C.B.S.E., New Delhi	1990	English, Hindi, Maths, Science, Social Studies	I
Senior School Certificate Examinations (Class XII)	C.B.S.E., New Delhi	1992	English, Hindi, Physics Chemistry, Biology	I
B. Sc.(T.D.C.)(CBZ)	C.C.S. University, Meerut	1995	Chemistry, Zoology, Botany	I
M. Sc. (Biotechnology)	University of Roorkee (now IIT Roorkee)	1997	RDNA technology, Genetics Immunology, Biophysics etc.	I
CSIR-UGC Test for JRF(NET)	CSIR-HRDG	1998	Life Sciences	CSIR-JRF
Ph. D. (Biotechnology)	VBS Purvanchal University, Jaunpur	2013	Title of the Thesis: "Genetic Polymorphism of Red Blood Cell Enzymes and Antigens in U.P. Population"	

Fellowships/Scholarships

1. **DBT fellowship**, MHRD, Government of India, for pursuing M. Sc. in Biotechnology from 1995 to 1997.
2. **UPCST Project fellow** in project entitled “Molecular changes in the cell wall proteins of *Arachis hypogea*”, at Department of Biosciences & Biotechnology, University of Roorkee, Roorkee. November 1997 to December 1998.
3. **CSIR-Junior Research Fellowship**, CSIR-UGC (NET)-JRF from 1-01-1999 to 31-12-1999 at Department of Biosciences & Biotechnology, University of Roorkee, Roorkee.
4. “**Summer Research Fellowship for Teachers**” of Indian Academy of Sciences, Bangalore, 2002. Worked under the supervision of Prof. Sudha Bhattacharya, School of Environmental Sciences, JNU, New Delhi, on a project entitled “Study of replication initiation in rDNA plasmid of *Entamoeba histolytica* under serum starved conditions”.
5. Selected for **National Overseas Scholarship-2006**, Govt. of India (Not availed).

Awards/Prizes

1. **Second prize in oral presentation** in National Seminar on Current Trends in Biological Sciences: Advances and Challenges organized by Janta College, Bakewar, Etawah. December 13-14, 2014.
2. **Third prize in oral presentation** in International seminar on New Frontiers in Biotechnology: Functional Genomics & Proteomics. Organized by Invertis University, Bareilly, September 27-28, 2014.
3. **Second prize in oral presentation** at National Conference on Biolife: The Amalgamation of Multidisciplinary Life Sciences NCBL-2013. Organized by Bio-EGICORE(dept. of Life Sciences, EGICORE, Lucknow), March 9-10, 2013.
4. **Best Poster Award** at National Seminar on Biotechnology & Health: Prospects & Perspective in 21st Century organized by ITM, Universe, Gwalior. March 19-20, 2010.

Research Projects

1. UGC Minor Research Project entitled “**Genetic Polymorphism Study of Red Blood Cell Enzymes and Antigens in Eastern UP population**”, amount Rs.1.70 lac from 1-02-2011 to 31-01-2013.
2. UGC Minor Research Project entitled “**Chromosomal analysis of Thalassemia Patients**” for a period of two years, amount Rs. 1 lac. From 05 -04-2006 to 31-03-2008.

List of Publications

1. **Kumar P**, Singh G., Rai V. Evaluation of COMT Gene rs4680 Polymorphism as a Risk Factor for Endometrial Cancer. 2018. Ind J Clin Biochem. ISSN: 0974-0422. <https://doi.org/10.1007/s12291-018-0799-x>
2. Yelamanchi SD, Tyagi A, Mohanty V, Dutta P, Korbonits M, Chavan S, Advani J, Madugundu AK, Dey G, Datta KK, Rajyalakshmi M, Sahasrabudhe NA, Chaturvedi A, Kumar A, Das AA, Ghosh D, Jogdand GM, Nair HH, Saini K, Panchal M, Sarvaiya MA, Mohanraj SS, Sengupta N, Saxena P, Subramani PA, **Kumar P**, Akkali R, Reshma SV, Santhosh RS, Rastogi S, Kumar S, Ghosh SK, Irlapati VK, Srinivasan A, Radotra BD, Mathur PP, Wong GW, Satishchandra P, Chatterjee A, Gowda H, Bhansali A, Pandey A, Shankar SK, Mahadevan A, Prasad TSK. Proteomic Analysis of the Human Anterior Pituitary Gland. OMICS. 2018;22(12):759-769. ISSN: 1536-2310(Print) ISSN: 1557-8100(Online) <https://doi.org/10.1089/omi.2018.0158>

3. Rai V, **Kumar P**. Methylenetetrahydrofolate reductase C677T polymorphism and susceptibility to epilepsy. *Neurol Sci.* 2018; 39(12):2033-2041. ISSN: 1590-1874 (Print) 1590-3478 (Online) <https://doi.org/10.1007/s10072-018-3583-z>.
4. **Kumar P**, Rai V. Methylenetetrahydrofolate reductase C677T polymorphism and risk of esophageal cancer: An updated meta-analysis. *Egypt J Med Hum Genet* 2018; 19(4): 273-284. <https://doi.org/10.1016/j.ejmhg.2018.04.003>
5. Rai V, **Kumar P**. Methylenetetrahydrofolate Reductase A1298C Polymorphism and Autism Susceptibility. *Austin J Autism & Relat Disabil.* 2018; 4(1): 1048. ISSN: 2472-341X <http://austinpublishinggroup.com/autism/all-issues.php>
6. Yadav U, **Kumar P**, Rai V. NQO1 gene C609T polymorphism (dbSNP:rs1800566) and digestive tract cancer risk: A Meta analysis. *Nutr Cancer.* 2018; 70(4): 557-568. ISSN: 0163-5581 (Print) 1532-7914 (Online). <https://doi.org/10.1080/01635581.2018.1460674> .
7. Rai V, **Kumar P**. Fetal MTHFR C667T polymorphism confers no susceptibility to Down syndrome: Evidence from meta-analysis. *Egypt J Med Hum Genet.* 2018; 19: 53-58. <http://dx.doi.org/10.1016/j.ejmhg.2017.06.006>
8. Rai V, Yadav U, **Kumar P**, Yadav SK, Gupta S. Methylenetetrahydrofolate Reductase A1298C Genetic Variant and Risk of Schizophrenia: an updated meta-analysis. *Indian J Med Res.* 2017; 145: 437-447. ISSN 0971-5916. 10.4103/ijmr.IJMR_745_14
9. **Kumar P**, Yadav U, Rai V. Prevalence of COMT Val158Met polymorphism in Eastern UP population. *Cell Mol Biol.* 2017; 63(6): 21-24. ISSN 1165-158X. <http://dx.doi.org/10.14715/cmb/2017.63.6.5>
10. Rai V. Yadav U. **Kumar P**. Impact of Catechol-O-methyltransferase Val 158 Met(rs4680) polymorphism on breast cancer susceptibility in Asian population. *Asian Pac. J Cancer Prev.* 2017; 18(5):1243-1250. <https://dx.doi.org/10.22034/2FAPJCP.2017.18.5.1243>
11. Rai V, **Kumar P**. Methylenetetrahydrofolate Reductase C677T Polymorphism and Risk for Male Infertility in Asian Population. *Ind J Clin. Biochem.* 2017; 32(3), 253-260. ISSN: 0974-0422. <https://dx.doi.org/10.1007%2Fs12291-017-0640-y>
12. Yadav U, **Kumar P**, Gupta S, Rai V. Distribution of MTHFR C677T Gene Polymorphism in Healthy North Indian Population and an Updated Meta-analysis. *Ind J Clin Biochem.* 2017; 32(4), 399-410. ISSN: 0974-0422. <https://dx.doi.org/10.1007%2Fs12291-016-0619-0>
13. Rai V, Yadav U, **Kumar P**. Null association of maternal MTHFR A1298C polymorphism with Down syndrome pregnancy: An updated meta-analysis. *Egypt J Med Hum Genet.* 2017; 18: 9-18. ISSN 1110-8630. <doi:10.1016/j.ejmhg.2016.04.003>
14. Yadav U, **Kumar P**. Gupta S, Rai V. Role of MTHFR C677T gene polymorphism in the susceptibility of schizophrenia: an updated metaanalysis. *Asian J Psychiatr.* 2016; 20: 41-51. ISSN 1876-2018. <http://dx.doi.org/10.1016/j.ajp.2016.02.002>.
15. **Kumar P**, Yadav U, Rai V. Prevalence of glucose-6-phosphate dehydrogenase deficiency in India: An updated meta-analysis. *Egypt J Med Hum Genet.* 2016; 17: 295-302. ISSN 1110-8630. <http://dx.doi.org/10.1016/j.ejmhg.2016.01.004>
16. **Kumar P**, Yadav U, Rai V. Methylenetetrahydrofolate reductase gene C677T polymorphism and breast cancer risk: evidence for genetic susceptibility. *MetaGene.* 2015; 6: 72-84. ISSN 2214-5400. <https://dx.doi.org/10.1016%2Fj.mgene.2015.08.008>
17. **Kumar P**, Kumar P, Rai V. Distribution of ABO blood groups in the malaria patients belonging to OBC population of eastern Uttar Pradesh. *J. Exp. Zoo. India.* 2015; 18(1): 31-33.
18. Yadav U, **Kumar P**, Rai V. Role of MTHFR A1298C gene polymorphism in the etiology of prostate cancer: A systematic review and updated meta-analysis. *Egypt J Med Hum Genet.* 2016; 17: 141-148. ISSN 1110-8630. <http://dx.doi.org/10.1016/j.ejmhg.2015.06.005>
19. Yadav U, **Kumar P**, Yadav SK, Mishra OP, Rai V. Polymorphisms in folate metabolism genes as maternal risk factor for neural tube defects: an updated meta-analysis. *Metab. Brain Dis.* 2015; 30(1):7-24. ISSN 0885-7490. <http://www.ncbi.nlm.nih.gov/pubmed/25005003>

20. Rai V, Yadav U, **Kumar P**, Yadav SK Methylenetetrahydrofolate reductase polymorphism is not risk factor for Down syndrome in North India. *Indian J Hum Genet.* 2014; 20:142-7. <http://www.ncbi.nlm.nih.gov/pubmed/25400341>
21. Rai V, Yadav U, **Kumar P**, Yadav SK, Mishra OP. Maternal Methylenetetrahydrofolate Reductase C677T Polymorphism and Down Syndrome Risk: A Meta-Analysis from 34 Studies. *PLoS ONE.* 2014; 9(9):e108552. <https://dx.doi.org/10.1371%2Fjournal.pone.0108552>
22. Rai V, **Kumar P**. Glucose-6-phosphate dehydrogenase deficiency in Muslim community settled in Jaunpur district. *Indian J Hum Genet.* 2014; 20(1):96-7. ISSN 0971-6866. <https://dx.doi.org/10.4103%2F0971-6866.132770>
23. Yadav SK, Verma A, **Kumar P**, Rai V. Molecular screening of FRAXE syndrome in MR cases of eastern Uttar Pradesh. *Proceedings of International Conference on Health, Environment and Industrial Biotechnology ICHEIB (Biosangam 2013).* 2013. 195-7. ISBN-10:9-33-290137-6.
24. Rai V, Yadav U, **Kumar P**, Yadav SK. Analysis of methionine synthase reductase polymorphism (A66G) in Indian Muslim population. *Indian J Hum Genet.* 2013; 19(2):183-7. ISSN 0971-6866. <https://dx.doi.org/10.4103%2F0971-6866.116123>
25. Rai V, Yadav U, **Kumar P**. MTRR A66G polymorphism among two caste groups of Uttar Pradesh (India). *Indian J Med Sci.* 2012; 66(5-6):136-40. ISSN 0019-5359. <http://www.ncbi.nlm.nih.gov/pubmed/23806987>.
26. Rai V, Yadav U, **Kumar P**. Prevalence of methylenetetrahydrofolate reductase C677T polymorphism in eastern Uttar Pradesh. *Indian J Hum Genet.* 2012; 18(1):43-46. ISSN 0971-6866. <http://www.ncbi.nlm.nih.gov/pubmed/22754220>.
27. Rai V, Yadav U, **Kumar P**. Genotype prevalence and allele frequencies of 5,10-methylenetetrahydrofolate reductase (mthfr) c677t mutation in two caste groups of India. *Cell Mol Biol (Noisy-le-grand).* 2012; 58 Suppl: OL1695-701. ISSN 1165-158X. <http://www.ncbi.nlm.nih.gov/pubmed/22762524>.
28. **Kumar P**, Rai V. Climate Change and Human Health: Malaria and Glucose-6-Phosphate dehydrogenase deficiency. *Res Environ Life Sc.* 2012; 5(4):211-212. ISSN 0974-4908.
29. Rai V, **Kumar P**. Epidemiological Study of Glucose-6-phosphate Dehydrogenase Deficiency in Scheduled Caste Population of India. *J Anthropol.* 2012; 1-5. ISSN 2090-4045. <http://www.hindawi.com/journals/janth/2012/984180/>.
30. **Kumar P**, Rai V. Red Blood Cell Antigen Distribution In Scheduled Caste Population Of Uttar Pradesh, India. *Asian Jr. of Microbiol. Biotech. Env. Sc.* 2012; 14(2):217-222. ISSN-0972-3005. http://www.envirobiotechjournals.com/article_abstract.php?aid=877&iid=25&jid=1
31. Rai V, Yadav U, **Kumar P**, Mishra OP and Gupta S. Prevalence of methylenetetrahydrofolate reductase C677T polymorphism *IJIB.* 2011; 11(3):153-154. ISSN 0973-8363. <http://www.classicus.com/IJIB/>
32. Rai V, Yadav U, **Kumar P**, Gupta S. Methionine synthase reductase (MTRR) A66G polymorphism in rural population of Uttar Pradesh (India). *Biotechnology.* 2011; 10:220-223. <http://scialert.net/qredirect.php?doi=biotech.2011.220.223&linkid=pdf>. ISSN 1682-296X.
33. Rai V, **Kumar P**. Genetic Analysis of ABO and Rh Blood Groups in Backward Caste Population of Uttar Pradesh, India. *Not Sci Biol.* 2011; 3(3):07-14. ISSN 2067-3264. <http://www.notulaebiologicae.ro/index.php/nsb/article/view/6073>.
34. Yadav U, **Kumar P**, Rai V. Docking Study of MTHFR with FAD by Hex. *J. Computational Intelligence in Bioinformatics.* 2011; 4(1): 171-178. ISSN 0973-385X.
35. Rai V, Yadav U, **Kumar P**, Yadav SK. Methylenetetrahydrofolate reductase polymorphism (c677t) in muslim population of eastern uttar pradesh, India. *Indian J Med Sci.* 2010; 64(5):219-23. PMID:22842321; <http://www.ncbi.nlm.nih.gov/pubmed/22842321>. ISSN 0019-5359.
36. **Kumar P**, Saima, Rai V. Study of ABO and Rh(D) blood groups in Sunni Muslims of Jaunpur district. *Anthropologist.* 2010; 12(3) 225-226. <https://www.tandfonline.com/doi/pdf/10.1080/09720073.2010.11891159> ISSN 0972 0073

37. Rai V, **Kumar P**. The Incidence of ABO Blood Group in Muslim Population of Uttar Pradesh, India. J. Appl. Biosci. 2010; 36(2):191-195. ISSN 0975 -685X
http://www.connectjournals.com/achivestoc.php?bookmark=CJ-000267&volume=36&year=2010&issue_id=02&issue_month=December.#
38. Rai V, Jahan S, **Kumar P**. Demographic study of ABO and Rh (D) Blood Groups among Muslim Population of Jaunpur District (U P). Asian Jr. Microbiol. Biotech. Env. Sc. 2010; 12(2):429-432.
http://www.envirobiotechjournals.com/issue_articles.php?iid=34&jid=1 ISSN 0972-3005
39. Rai V, Maurya SK, **Kumar P**. ABO and Rh(D) Blood Groups Distribution Among Khatik (Scheduled Caste) Population of Jaunpur District (U P). Pb. Univ. Res. J. (Sci.). 2009; 59:107-109. ISSN 0555-7631
40. **Kumar P**, Maurya A.K., Rai V. ABO and Rh(D) blood groups among maurya (Backward Caste) population of Jaunpur district (UP), India. Asian Jr. Microbiol. Biotech. Env. Sc. 2009; 11(4):723-726. ISSN-0972-3005
http://www.envirobiotechjournals.com/article_abstract.php?aid=4366&iid=153&jid=1
41. **Kumar P**, Maurya S, Rai V. Distribution of ABO and Rh(D) Blood Groups among Koari (Backward Caste) Population of Jaunpur District. Anthropologist. 2009; 11(4), 309-310. ISSN 0972 0073. <https://www.tandfonline.com/doi/pdf/10.1080/09720073.2009.11891122>
42. Rai V, Verma AK, **Kumar P**. A study of ABO and Rh (D) blood groups among Kurmi (Backward Caste) of Jaunpur district. Anthropologist. 2009; 11(4):305-306.
<https://www.tandfonline.com/doi/pdf/10.1080/09720073.2009.11891120> _ISSN 0972 0073
43. **Kumar P**, Singh VK, Rai V. Study of ABO and Rh(D) blood groups in Kshatriya (Rajput) of Jaunpur district, Uttar Pradesh. Anthropologist. 2009; 11(4): 303-304. ISSN 0972 0073
<https://www.tandfonline.com/doi/pdf/10.1080/09720073.2009.11891119>
44. Rai V, Patel RP, **Kumar P**. Study of ABO and Rh(D) blood groups in Scheduled Caste of Jaunpur district. Anthropologist. 2009; 11(2):151-152. ISSN 0972 0073.
<https://www.tandfonline.com/doi/pdf/10.1080/09720073.2009.11891095>
45. **Kumar P**, Yadav M, Rai V. ABO and Rh(D) blood groups among yadav of District Jaunpur. Pb. Univ. Res. J. (Sci.) 2008; 58:79-81. ISSN 0555-7631

Edited Books

1. Recent Advances in Biotechnology. Eds. Rai V and Kumar P. Shree Publishers and Distributers New Delhi. ISBN: 978-81-8329-936-7. Volume 1.
2. Recent Advances in Biotechnology. Eds. Rai V and Kumar P. Shree Publishers and Distributers New Delhi. ISBN: 978-81-8329-936-7. Volume 2.
3. Recent Advances in Biotechnology. Eds. Rai V and Kumar P. Shree Publishers and Distributers New Delhi. ISBN: 978-81-8329-936-7. Volume 3.

Chapters in Books

1. **Kumar P** and Rai V. Nanotechnology in detection of pathogenic microorganism. Recent Advances in Microbiology volume 3 Ed. N C Gautum, S P Tiwari, Rajesh Sharma, Rajeeva Gaur. Nova biomedical. 2018.
2. Rai V and **Kumar P**. Stem cells and their applications. Recent Advances in Biotechnology Volume 1. Eds. Rai V and Kumar P. Shree Publishers and Distributers, New Delhi. 2017; 13: 167-177. ISBN: 978-81-8329-936-7.
3. Rai V and **Kumar P**. Biotechnology and its different disciplines. Recent Advances in Biotechnology Volume 2. Eds. Rai V and Kumar P. Shree Publishers and Distributers, New Delhi. 2017; 2: 1-21. ISBN: 978-81-8329-936-7.

4. Rai V and **Kumar P.** RNA Interference mechanisms and applications. Recent Advances in Biotechnology. Volume 3. Eds. Rai V and Kumar P. Shree Publishers and Distributors, New Delhi. 2017; 1: 1-7. ISBN: 978-81-8329-936-7.
5. **Kumar P.** and Rai V. Stress, Human Health and Diseases. In: Stress and Health emerging trends and challenges. Ed. A. P. Singh. Pub: Alpha publishers, New Delhi. 2017; 2: 40-68. ISBN: 978-93-81-465-39-4
6. **Kumar P.** and Pathardikar A. Rural development through farming of medicinal plants. Rural Management contemporary issues and challenges. Ed: Purohit H C, Shree Publishers, New Delhi. 2006; 8: 103-115. ISBN:81-8329-126-0
7. **Kumar P.** and Rai V. Biotechnology and entrepreneurship. WTO and entrepreneurship development Ed: M. Pandey, Shree Publishers, New Delhi. 2005; 13: 160-172. ISBN:81-8329-070-1
8. Rai V. and **Kumar P.** Monoclonal antibodies. In: Recent Advances in Biotechnology. Eds N.C. Gautam and M.P. Singh. Pub: Shree Publishers, New Delhi. 2004; 11: 207-230. ISBN:81-88658-22-7

Popular Articles

1. Singh G, Rai V, **Kumar P.** Silver Nanoparticles Properties and Applications. National Science Day Souvenir, (NSD-2018) VBS Purvanchal University, Jaunpur. 2018; 32-33.
2. Singh P and **Kumar P.** RNA interference: The Future of Science. National Science Day Souvenir, (NSD-2018) VBS Purvanchal University, Jaunpur. 2018; 26.
3. Vishwakarma AK and **Kumar P.** Biofuel: The Next Generation Fuel. National Science Day Souvenir, (NSD-2018) VBS Purvanchal University, Jaunpur. 2018; 22.
4. Srivastava D, Rai V and **Kumar P.** Quantum Dots: Applications in Biological Sciences. National Science Day Souvenir (NSD-2018), VBS Purvanchal University, Jaunpur. 2018; 27-28.
5. Husain MM and **Kumar P.** Solid Waste Management with Biotechnology. National Science Day Souvenir (NSD-2018), VBS Purvanchal University, Jaunpur. 2018; 38-39.
6. **Kumar P.** National Science Day. Souvenir, National Science Day Celebration (NSD-2015), VBS Purvanchal University, Jaunpur. Feb 27-28, 2015; 38.
7. Rai V and **Kumar P.** Genetic analysis of ABO and Rh blood groups in Brahmin population of Uttar Pradesh, India. 2011. Nature Preceedings : hdl:10101/npre.2011.5931.1 : Posted 30 Apr 2011
8. **Kumar P.** Universal Red Blood Cells. Souvenir, National Science Day Celebration (NSD-2011), VBS Purvanchal University, Jaunpur. Feb 28-Mar.1, 2011.

Presentations in Conferences/Seminars/Symposia/Workshops

1. **Kumar P.**, Rai V. Catechol-O-methyltransferase gene Val158Met polymorphism and obsessive compulsive disorder risk. 44th Annual Conference of the Indian Society of Human Genetics “Genomics for Health and Precision Medicine” organized by National Institute of Biomedical Genomics and University of Kalyani. January 30-February 01, 2019.
2. **Kumar P.**, Rai V. Association between Catechol-O-methyltransferase Gene Val158Met Polymorphism and Prostate Cancer Risk. BIOSANGAM-2018, “Innovations and Translational Dimensions: Food health and Environmental Biotechnology” organized by Department of Biotechnology, MNNIT, Allahabad. March 9-11, 2018.
3. **Kumar P.** and Rai V. Evaluation of Catechol-O-methyltransferase Val158Met polymorphism as Risk Factor for Parkinsons Disease. International Conference on Functional Biology and Molecular

Interactions: Applications in Health and Agriculture. Organized by Department of Biochemistry, University of Lucknow, Lucknow. December 20-22, 2017.

4. **Kumar P**, Yadav U, Mishra OP, Rai V. Detection of Hemoglobin Variants in Uttar Pradesh: Analysis using PCR-RFLP. National symposium on Genetic Basis of Haematological Disorders with Special emphasis on Sickle Cell Disease. Organized by CGDMB, SCIC, Department of Biochemistry, Pt. JNM Medical College Raipur. July 25-26, 2016.
5. **Kumar P** and Rai V. Evaluation of MTHFR C677T polymorphism as risk factor for esophageal cancer. 5th International Biochemistry and Molecular Biology Conference organized by Prince of Soghkla University, Thailand. May 26-27, 2016.
6. **Kumar P**, Yadav U, Rai V. Prevalence of COMT Val158Met polymorphism in Eastern UP Population. International Conference on Translational Biotechnology (BioSangam-2016), organized by Department of Biotechnology, MNNIT, Allahabad. February 4-6, 2016.
7. **Kumar P**, Yadav A, Yadav U, Yadav SK, Mishra OP, Rai V. MTR A2756G gene polymorphism analysis of Down syndrome patients of eastern UP. National Conference on Biotechnology and Human Welfare: New Vistas, organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur. March 21-22, 2015.
8. **Kumar P**, Kumar P and Rai V. ABO blood group distribution in malaria patients of eastern Uttar Pradesh. National Conference on Biotechnology and Human Welfare: New Vistas, organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur. March 21-22, 2015.
9. **Kumar P**. Privatization of higher education. National Seminar on Problems of Higher Education, Academic Management & Role of Teachers Association. February 16-17, 2015.
10. **Kumar P**, Yadav U, Yadav SK and Rai V. Association between MTHFR C677T polymorphism and Breast Cancer Risk. International Symposium on "Genomics in Health and Disease" & 40th Annual Conference of Indian Society of Human Genetics organized by National Institute of Immunohaematology(ICMR). January 28-30, 2015.
11. **Kumar P**. Association between ABO blood groups and Malaria. in National Seminar on Current Trends in Biological Sciences: Advances and Challenges organized by Janta College, Bakewar, Etawah. December 13-14, 2014.
12. **Kumar P**, Rai V. Screening of UP population for Glucose-6-phosphate dehydrogenase deficiency. National Seminar on Current Trends in Biological Sciences: Advances and Challenges organized by Janta College, Bakewar, Etawah. December 13-14, 2014.
13. **Kumar P**. Nanobiotechnology: Current status and potential applications. Symposia on Nanobiotechnology. Organized by VBS Purvanchal University, Jaunpur. November 24, 2014.
14. **Kumar P** and Rai V. Prevalence of Glucose 6 Phosphate Dehydrogenase Deficiency in India: An updated meta-analysis. International conference on Biotechnology and Bioengineering ICBB-2014 at Birla Institute of Technology and Science, Pilani, Dubai Campus. October 29-30, 2014.
15. **Kumar P** and Rai V. Red Cell Enzyme Variation among the Scheduled Caste Population of Jaunpur district in International seminar on New Frontiers in Biotechnology: Functional Genomics & Proteomics. Organized by Invertis University, Bareilly, September 27-28, 2014.
16. **Kumar P**, Yadav SK and Rai V. Hypertension: Impact of blood sugar, body mass index and smoking. National Seminar on Emerging Trends in Applied Psychology. VBS Purvanchal University, Jaunpur. February, 11-12, 2014.
17. **Kumar P** and Rai V. Maternal methylenetetrahydrofolate reductase (MTHFR) A1298C polymorphism and susceptibility to Down syndrome: a meta analysis. International Conference on Human Genetics and 39th Annual Meeting of Indian Society of Human Genetics. Ahmedabad. Organized by FRIGE's_IHG and ILS- Ahmedabad University, January 22-25, 2014.
18. **Kumar P**. Management of Glucose-6-Phosphate Dehydrogenase Deficiency by counseling and preventive interventions. National Seminar on Advances in Management Practices organized by Faculty of Management Studies, VBS Purvanchal University, Jaunpur. September 19-20, 2013.

19. **Kumar P** and Rai V. 2013 Red Cell Enzymes Polymorphism in Yadav population of Uttar Pradesh. National Conference on Biolife: The Amalgamation of Multidisciplinary Life Sciences NCBL-2013. Organized by Bio-EGICORE (Deptt. of Life Sciences, EGICORE, Lucknow). March 9-10, 2013
20. **Kumar P** and Rai V. Red Cell Enzymes Polymorphism in Muslim Population of Uttar Pradesh. International Symposium on Developmental and Genetic Disorders & 38th Annual conference of the Indian Society of Human Genetics: Genomics and Community Health at BHU, Varanasi. December 9-11. 2012.
21. **Kumar P** and Rai V. Genetic Polymorphism of Red Cell Enzymes in Five Population of Eastern Uttar Pradesh. International Conference on Genes, Genetics & Genomics: Today and Tomorrow-Human Concerns and 37th Annual Conference of The Indian Society of Human Genetics at Panjab University, Chandigarh. March 3-5. 2012.
22. **Kumar P**, Kumar S, Yadav U, Yadav SK, Rai V. Glucose-6-Phosphate Dehydrogenase(G6PD) Deficiency Screening among the Muslim Population of Eastern Uttar Pradesh. National Conference on Frontiers in Biological Sciences at VBS Purvanchal University Jaunpur. December 4-5, 2011.
23. Rai V and **Kumar P**. Role of genetic awareness and counselling in prevention of genetic disorders in eastern UP India. International Meet on Collaboration with American Universities and International conference on counselling and community Psychology, VBS Purvanchal University, Jaunpur, December 17-19, 2011.
24. Yadav U., **Kumar P.**, Gupta S. and Rai V. Screening of MTRR A66G Polymorphism in Eastern U P Population. National Seminar on Biotechnology & Health: Prospects & Perspective in 21st Century at ITM, Universe, Gwalior. March 19-20. 2010.
25. **Kumar P.**, Jaiswal R. K., Yadav U, and Rai V. Screening of Glucose 6 Phosphate Dehydrogenase Deficiency in Eastern U. P. International Symposium on Role of genomics in Clinical Practice & 3^{5th} Annual Conference of the Indian Society of Human Genetics(ISHG 2010) at SGPGI Lucknow, India, March 6-8, 2010.
26. **Kumar P**. International Conference on Emerging Trends in Biotechnology(ETBT-2009) & 6th Annual Convention of the Biotech Research Society, India(BRSI), Banaras Hindu University, Varanasi. December 4-6, 2009.
27. **Kumar P**. Indian Women Scientists in the new millennium. Seminar on Women Leadership and Global Challenges. Organized by Department of HRD, Faculty of Management Studies, VBS Purvanchal University, Jaunpur. September 26-27, 2006
28. **Kumar P**. Role of science communication in genetic disorder awareness. 5th “National Science Communication Congress”(NSCC-2005), Varanasi(U.P.), December 12-16, 2005.
29. **Kumar P**. and Pathardikar, A. Rural development through farming of medicinal plants. National Seminar on “Rural Marketing: Issues and Challenges in WTO Era”, at V B S Purvanchal University Jaunpur, September 23-24, 2005.
30. **Kumar P**. Mushroom Cultivation in Rural development. NGO Conference and National Seminar on “Rural development”, at V B S Purvanchal University Jaunpur, December 23-24, 2004.
31. Rai V and **Kumar P**. Schizophrenia: The mystery and mechanism. National Seminar on New Directions in Applied Psychology. VBS Purvanchal University, Jaunpur. March 8-9, 2003.

Invited Lecture in Conferences/Seminars/Workshops

1. **Kumar P**. “Estimation of Protein by Lowry’s Method” at Department of Biotechnology, Kutir Post Graduate College Chakkey, Jaunpur, UP. December 13, 2017.
2. **Kumar P**. “From Sequence to function: in the era of genomics”. National workshop on “Genome to Drug: *in-silico* analysis” organized by Bioinformatics center (of ICMR), Department of Biochemistry, PJNM Medical college, Raipur (C. G.), 25-31 January, 2016.

3. **Kumar P** and Rai V. "Climate Change and Human Health: Malaria and Glucose-6-Phosphate Dehydrogenase deficiency". National Conference on "Impact of Global Warming and Climate Change on Diversity: The Challenge of Conservation of Flora and Fauna" Feb 21-22, 2012. RHSPG College Sigra mau, Jaunpur.
4. **Kumar P.** "Bioinformatics: *in-silico* Biology", National seminar on "Recent Trends in Biosciences" at Department of Biochemistry, RML Awadh University, Faizabad, December 16, 2006.
5. **Kumar P.** "Monoclonal Antibodies Production and Commercial Applications" entrepreneurship skill development programme for Biotechnology, organized by MSME Development Institute (Ministry of Micro Small and Medium Enterprises, Govt. of India) March 28, 2008.
6. **Kumar P.** "Applications and Limitations of Micro propagation" at entrepreneurship skill development programme for biotechnology organized by MSME Development Institute (Ministry of Micro Small and Medium Enterprises, Govt. of India). March 28, 2008.
7. **Kumar P.** "Introduction to Laboratory Facilities & General Guidelines, laboratory ethics", in Hands-on Training in Cell and Molecular biology Techniques for College Teachers, V B S Purvanchal University, Jaunpur, December 21, 2009
8. **Kumar P.** "Protein Separation by SDS-PAGE", Hands-on Training in Cell and Molecular biology Techniques for College Teachers organized by Department of biotechnology, V B S Purvanchal University, Jaunpur, December 28, 2009

Seminars/Conferences attended(other than mentioned above)

1. Seminar on "Role of CST, UP in Promotion of Science and Technology & Facilitation of IPR Protection". 08-09 December, 2016 organized by Faculty of Science, VBS Purvanchal University, Jaunpur. Sponsored by CST, UP.
2. Symposium on "Population Genetics and Chromatin Dynamics", 22-23, January, 2012, Cytogenetics Section department of zoology, BHU, Varanasi.
3. National conference on "Metabolomics, Transcriptomics and Proteomics" at SGPGIMS Lucknow organized by BCS-In Silico Biology, January 29-30, 2011.
4. International Conference on "Emerging Trends in Biotechnology (ETBT-2009)" & 6th Annual Convention of the Biotech Research Society, India (BRSI)" at BHU, Varanasi, December 4 to 6, 2009.
5. Sensitization workshop on "Biosafety issues related to practicing agricultural biotechnology", G. B. Pant University of Agriculture and Technology. Pantnagar, Uttarakhand, Nov. 3-4, 2008.
6. National Seminar on "Media, Technology and Rural Development", at V B S Purvanchal University Jaunpur, October 23-24, 2005
7. "Workshop on Patent Awareness", at V. B. S. Purvanchal University, Jaunpur, March 31, 2004.
8. National Conference on "Wastelands management and Conservation of Natural Resource Including Biomass", at V B S Purvanchal University Jaunpur. March 26-27, 2001.

Details of Special Lectures Delivered

1. "Nanobiotechnology", Department of Biotechnology, Applied Biochemistry, Applied Microbiology and Environmental Sciences. V B S Purvanchal University, Jaunpur, October 19, 2012.
2. Career in biotechnology for Science Graduate students, RSKDPG College Jaunpur, 2012.
3. "Emergence and pandemic potential of swine-origin H1N1 influenza virus" Gabriele Neumann, Takeshi Noda & Yoshihiro Kawaoka, and Nature: 2009, 459; 931-939. Journal Club, Department of Biotechnology, V B S Purvanchal University, Jaunpur, April, 30, 2010.
4. "Bioinformatics" for B. tech Biotechnology Students Rajendra Agricultural University, PUSA, Samastipur, Bihar, October 9, 2010.

5. "Fundamentals of Bioinformatics" for B. tech Biotechnology Students Rajendra Agricultural University, PUSA, Samastipur, Bihar, October 9, 2009
6. Nanobiotechnology, Rajendra Agricultural University, PUSA, Samastipur, Bihar, October 10, 2009
7. "Towards universal red blood cells", Geoff Daniels & Stephen G Withers, Nature Biotechnology: 2007: 25; 427-428. Journal Club, Department of biotechnology, V B S Purvanchal University, Jaunpur, March, 2009.
8. "Fundamentals of Nano-biotechnology", Department of Biotechnology, Applied Biochemistry, Applied Microbiology and Environmental Sciences. V B S Purvanchal University, Jaunpur, December 19, 2007.
9. "Biotechnology and its Applications", Department of Mass Communication and Journalism, V B S Purvanchal University, Jaunpur, 2000-2006.
10. "Basics of immunology" and "Monoclonal Antibodies", S M M Town P G College, Ballia. (U P). 1-3 March 2005.
11. "Biophysics and Instrumentation", S M M Town P G College, Ballia. (U P) December 21, 2003.

Teaching Experience

Nineteen Years (M. Sc. Classes)

Three Years (Ph. D. Classes)

Refresher Courses/ Orientation Programmes /Summer Schools/Workshops attended

1. Training Programme on Academic Leadership, organized by VBS Purvanchal University, Jaunpur and Centre of Academic Leadership and Education Management, Aligarh Muslim University, Aligarh, Under the Scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India. From January 31 to February, 03, 2018.
2. Refresher Course in Nanoscience and Nanotechnology sponsored by UGC, organized by UGC-HRDC, North-Eastern Hill University, Shillong-793022, from November 13, 2017 to December 3, 2017.
3. Hands-on Workshop on Molecular Diagnostics. Organized by CGDMB, SCIC, Department of Biochemistry, Pt. JNM Medical College Raipur. July 26-Aug 1, 2016.
4. TEQIP-II Sponsored ISTE Approved One Week FDP on Advancements in Water Conservation and Management. Organized by Government College of Engineering, Amravati, Maharashtra from March 14-March 18, 2016.
5. One week workshop on numerical computation using MATLAB. Organized by Department of Mathematics and Computer Science and Engineering, Faculty of Engineering and Technology, VBS Purvanchal University, Jaunpur-222003(UP) from November 26-30, 2015.
6. Workshop on clinical proteomics, organized by Institute of Bioinformatics. Bangalore from July29-August 01, 2013.
7. Workshop on role of ICT in teaching and learning, organized by Professional Trainers Academy, Roorkee July 1-July 10, 2012, Professional Trainers Academy, Roorkee.
8. 17th DBT sponsored Training Course on Bioinformatics; A practical approach" conducted by Bioinformatics Center North- Eastern Hill University, Shillong April 19-24, 2010.
9. Refresher Course (3-weeks) in Environmental awareness (RC-209, 2009) from 13-07-2009 to 01-08-2009 Sponsored by UGC (Organized by Academic Staff College), Himachal Pradesh University, Shimla. HP.
10. First Winter School on "Nanotechnology in Advanced Drug Delivery" sponsored by DST at National Institute of Pharmaceutical education and Research (NIPER) Chandigarh, 2-6 Dec. 2007.
11. Refresher Course (3-weeks) on Bioinformatics and Biotechnology from 1, Nov. to 21 Nov. 2006 Sponsored by UGC at Academic Staff College, Bharathiar University, Coimbatore, Tamil Nadu.

12. 5th Hands on workshop on “Prenatal and postnatal diagnosis of genetic disorders using molecular methods”, sponsored by DBT and AIIMS Held at Departments of Anatomy, Pediatrics and Hematology, AIIMS, New Delhi, November, 7-21, 2005.
13. Four weeks Orientation Programme OP-70, Sponsored by UGC (Organized by Academic Staff College), Himachal Pradesh University, Shimla, and From 14 June to 10 July 2004.
14. Worked as Teacher Summer Research Fellow (Indian Academy of Sciences fellowship for teachers) with Prof. Sudha Bhattacharya, School of Environmental Sciences, JNU, New Delhi, from 27 May to 20 July 2002.
15. Two weeks Refresher Course “Winter School on Modern Biology” sponsored by Indian Academy of Sciences at Indian Institute of Chemical Biology (CSIR) Kolkata 6-17 Nov., 2000.

Administrative Experience

1. **Member, Executive Council**, VBS Purvanchal University Jaunpur, 2012-13, 2014-2015, 2018-19.
2. **Member, Library Committee**, VBS Purvanchal University Jaunpur, 2019.
3. **Member, IQAC**, VBS Purvanchal University, Jaunpur, 2016-2017
4. **Member, Academic Council**, VBS Purvanchal University Jaunpur, 2012-2015.
5. **Member, Examination Committee**, VBS Purvanchal University Jaunpur, 2013, 2015.
6. **Member, Sports Council**, VBS Purvanchal University Jaunpur, 2013, 2015
7. **Proctor**, VBS Purvanchal University Campus 2013, 2013-2014 and 2014-2015.
8. **Convener, Antiragging Cell**, VBS Purvanchal University Campus, 2012-14.
9. **Secretary**, VBS Purvanchal University Campus Sports Committee, 2012-2017.
10. **Member**, Central Purchase Committee (CPC), VBS Purvanchal University, 2015-2016.
11. **Member, BOS**, Biotechnology, VBS Purvanchal University, 2015-2017.
12. **Member**, Nigrani Samiti, VBS Purvanchal University Jaunpur, 2015.
13. **Head in Charge**, Department of Applied Biochemistry, VBS Purvanchal University, Jaunpur, 03-02-2006 to 03-11-2008.
14. **Assistant Proctor**, VBS Purvanchal University, Jaunpur (2008-2009, 2010-2011 and 2011-2012).
15. **Coordinator, SC/ST Scholarship**, Faculty building, VBS Purvanchal University, Jaunpur, from 19-12-2007 to 2010
16. **Coordinator Sports** VBS Purvanchal University, Jaunpur campus, 2011-2012.
17. **Member**, Institutional Purchase Committee. VBS Purvanchal University, Jaunpur, 2005
18. **Member**, Departmental Purchase Committee, Department of Biotechnology, V B S Purvanchal University, Jaunpur, 2000-2006.
19. **Member**, Committee for organizing sports activities of the University.
20. **Member, Media Prakost**, VBS Purvanchal University, Jaunpur campus 2011-2012.

Events Organized

1. **Co-organizing Secretary**, National Conference on Biotechnology and Human Welfare: New Vistas, organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur. March 21-22, 2015.
2. **Organizing Secretary**, Purvanchal Cricket League (PCL-2013, PCL-2014, PCL-2015), VBS Purvanchal University Campus, Jaunpur.
3. **Organizing Secretary**, Annual Sports Meet-2014, 2015, 2016, VBS Purvanchal University Campus, Jaunpur.

Participation in Various Examinations as

1. **Observer**, Counselling, Combined Entrance Examination B. Ed -2015 and 2016 Counseling Centre: T D College, Jaunpur.
2. **Observer**, VBS Purvanchal University Annual Examinations-2014.

3. **Observer**, CPMT-2007, at Hindustan College of Science and Technology, Agra.
4. **Observer**, Combined U P B. Ed. Entrance Examination-2008
5. **Centre Superintendent**, “Arakshi evam samkaksh padon par seedi bharati” conducted by UP Police recruitment and promotion board Lucknow-2014.
6. **Centre Superintendent**, B. Pharm. Special Exam. V B S Purvanchal University, Jaunpur 2009.
7. **Assistant Centre Superintendent**, Campus Semester and Annual Examinations, 2012-2013.
8. **Invigilation and counseling** in Combined U P B. Ed. Entrance Examination-2007.
9. **Invigilator**, PUCAT, V B S Purvanchal University, Jaunpur, 2000-2008.
10. **Invigilation and counseling in B.Ed. entrance examination** of V B S Purvanchal University Jaunpur, 2000-2008.
11. **Deputy Coordinator**, Central evaluation, Annual Examinations, V B S Purvanchal University Jaunpur, 2008
12. **Expert** District Level, Jaunpur, INSPIRE, 2013.

Membership

1. Life member of Indian Society of Human Genetics(L/1523/2010)
2. Life member of Biotech Research Society of India
3. Life Member of the Indian Science Congress Association.
4. Life Member of Bioinformatics Institute of India.
5. Life Member of Indian Society for technical Education.
6. Life Member of Mushroom Society of India.
7. Academic Guide, Under the Academic Guide Scheme of ICFAI University.

Reviewer

1. Bioinfo Publications(Membership Id: A2E7024768)

Papers/Course Teaching

1. Biophysics
2. Recombinant DNA Technology
3. Immunology
4. Bioinformatics

Extracurricular/Community and Extension Activities

1. Jury member, Basic Sciences, ANVESHAN-2017 Students’ Research Convention held at VBS Purvanchal University, Jaunpur, February 17, 2017.
2. Counseling Workshops/Lectures, for the promotion of Career in Biotechnology and Life Sciences for under graduate students. 2000-onwards.
3. Organized (with Lions Club Jaunpur) one day health check up camp, at VBS Purvanchal University, Jaunpur October 24, 2009.
4. Organized (with Lions Club Jaunpur) one day eye check up camp, at VBS Purvanchal University, Jaunpur November 29, 2009.

Co-Curricular Activities

1. Gold Medalist in 100 m, 200m, 110m hurdles and 400m hurdles (1996 to 1997) at University AAM, University of Roorkee(now IIT Roorkee).
2. Represented University Athletic Team, University of Roorkee(now IIT Roorkee) from 1996-1999
3. Played Kho-Kho up to Regional level, 1990(Kendriya Vidhyalay Bhatinda Cantt.)
4. Cricket Captain Jawahar Bhawan 1996-97 University of Roorkee, Roorkee.
5. Qualified USI UNESCO Test 1989 with 80% marks.

6. Qualified RRMI all Indian GK IRCP Test 1989 with First Division

Place: Jaunpur
Date: 05-02-2019

(Pradeep Kumar)