

**INDIVIDUAL FACULTY PROFILE**  
**(DEPARTMENT OF GENETICS)**

Name :Dr.Minakshi Vashist  
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**1. Educational Qualification:**

2.

Degree	Year of Passing	University/Institute
Ph.D	1993	M.D.University Rohtak
PG	1988	M.D.University Rohtak
UG	1986	M.D.University Rohtak

**3. Career Profile:**

Designation	Institution served	Duration	
		From	To
Assistant Professor	C.C.S.H.A.U Hissar	1993	1996
Lecturer	M.D.University Rohtak	1996	2002
Associate Professor	M.D.University Rohtak	2002	2010
Professor	M.D.University Rohtak	2010	Till date

**4. Research Advisory:**

No. of Students supervised	Ph.D	M.Phil/MSc
	6(completed)	12
	4(continuing)	

**5. Projects Undertaken:**

Title of Project	Duration	Funding Agency	Status	
			Completed	In Progress
1. A study of etiopathogenesis of gallstones 2. A study on molecular cytogenetic characterization of XLMR patients in severe mental retardation. 3. Evaluation of mental retardation cases in Haryana population by morphogenetic and cytogenetic analysis.	2001-2002	UGC	Completed	-----
	2009-2012	UGC	Completed	
	2009-	I.C.M.R	In Progress	

**6. Publications:**

Research Papers: 56      Abstracts: 60 ( National -52; International: 8)

**a. Published in Refereed/Peer Reviewed Journals** Published in Refereed/Peer Reviewed Journals: **56** ( National: 26,International: 30)

**b. Published in Conferences/Seminar proceedings :6**

**7. Participation in conferences/seminars: 35**  
(National-30 International-5)

**No. of Orientation Programme/ Refreshers Courses Attended: 4**

**No. of Training Programme/ Workshops Attended: 4**

(National-2;International-2)

**8. Awards and Distinctions**

Merit Scholarship of State Govt. for M.Sc. (1986-88).

Awarded UGC, NET Fellowship as JRF (1988-90).

Awarded UGC, SRF (1990-1993).

Awarded Young scientist (Prof. D.C. Cooper award) at K.U. Kurukshetra

Merit Certificate for research paper by Society of Cytologist & Geneticists, India

Awarded Gold Medal Young Scientist Best Paper by Society of Bio-Sciences at CDRI Lucknow

## 8. Assignments outside M.D. University, Rohtak

Theory & Practical examiner for U.G & P.G & PhD Programme

Member of various selection committee.

## 9. Other contributions:

### Ongoing Research Work

- Evaluation of Lymphocytic Leukemia by Cytogenetic & Dermatoglyphic Analysis
- Etiology and pathogenetic study of patients of Moderate mental retardation
- Molecular cytogenetic characterization and phenotypic mapping of XLMR in patients of Severe Mental Retardation
- Hematological & molecular genetic analysis of Beta- thalassemia of Haryana
- Evaluation of ovarian & uterous cancer by molecular cytogenetic characterization to establish their prognostic marker

### Membership of learned bodies :

- Fellow of National Society of Life Sciences
- New York Academy of Sciences USA. Bodies (Invited for Membership).
- All India congress of Cytology and Genetics.(Life Member).
- Indian science congress Association (Life Member).
- District Council for child Welfare (Life Member)
- Medical College and Hospital Welfare Committee, PGIMS, Rohtak.(Life Member)
- Member editorial advisory board of NJLS

### List of Publications of Prof. Minakshi Vashist

1. **Minakshi Vashist** and Neelkamal.2013.Maternal age: a controversial factor in trisomy 21. *Rev Med Int Sindr Down*, 17(1):8-12. ISSN: 1138-011X.
2. **Minakshi Vashist**, Neelkamal and Kirti Grow, 2013. Does any correlation exist between I.Q levels, Diagnosis Age and Morphological parameters in Down Syndrome Patients? *International Journal of theoretical & Applied Sciences*, Vol 5(2): 79-83. ISSN: 0975-3247.
3. Shiksha Sharma, **Minakshi Vashist**, Madan Gopal Vashist, Kirti Grow and Ritu Yadav, 2013. Certain Profession of Working as Risk Factors for Varicose Veins. *International Journal of Pharmacy Vol 7 (5): 56-59. ISSN: 2278-3008.*
4. Kirti Grow, Pankaj Abrol, **Minakshi Vashist**, Ritu Yadav and Shiksha Sharma. 2013. Associated Complications in Beta thalassemia patients. *International Journal of Pharmacy Vol 3 (1). ISSN: 2278-3008.*

5. **Minakshi Vashist**, Ritu Yadav, Kirti Grow and Shiksha Sharma. 2012. Evaluation of dysmorphic features in Intellectual Disability. *Biosciences Biotechnology Research Asia Vol 9 No. (2)(In press) (ISSN No. 0973-1245)*.
6. Ritu Yadav, **Minakshi Vashist**, Shiksha Sharma and Kirti. 2012. Intellectual disability- Challenge for Society. *Biosciences Biotechnology Research Asia Vol 9 No. (2) (In press) (ISSN No. 0973-1245)*.
7. **Minakshi Vashist**, Ashok Kumar Radha Rathee, Neelkamal, Sunita Singh & Sumity Gupta 2012. Acute Lymphocytic Leukemia: An Epidemiological & Hematological study from Haryana. *Biosciences Biotechnology Research Asia. Vol.9 (2) (In press) (ISSN No. 0973-1245)*.
8. **Minakshi Vashist**, Neelkamal, Ritu Yadav, Amit Kumar, Shiksha Sharma and Radha Rathee. 2012. Dermatoglyphics - A Diagnostic Tool in Trisomy $\phi$ 21. *J. Applied Biosciences, 38(2) pp 1-22 (ISSN No. print- 0975-685X; e-ISSN-0975-864X)*.
9. **Minakshi Vashist**, Shivani Kachroo, Neelkamal and Ritu Yadav 2011. Improvisation in PCR for amplification of GC rich sequences (CGG repeats) in fraxa gene in humansö. *International Journal of Biotechnology and Bioscience Vol 1(3) pp 349-352(ISSN- 2231-304)*.
10. **Minakshi Vashist**, Amit Kumar, Neelkamal and Joginder Kairo 2011. Evaluation of Prenatal, postnatal & neonatal causes as the risk factors for patients with different (IQ) levels of mental retardation. *Biosciences Biotechnology Research Asia Vol 8 No. (1) pp 321-324 (ISSN No. 0973-1245)*.
11. **Minakshi Vashist**, Ritu Yadav and Shiksha Sharma 2011. Study of prevalence, sex ratio and different level of intellectual disability in Haryana. *Indian Journal of Public Health Research & Development. (Accepted) (No.-2619/IJPHRD/2011)*.
12. **Minakshi Vashist**, Shivani Kachroo and Ritu Yadav 2011. [Epidemiology of Severe Mental Retardation](#). *International Journal of Bioengineering, Neurosciences and Technology (IJBNST) Vol 1(1) pp32-36(ISSN 2250-0952)*.
13. **Minakshi Vashist**, Ritu Yadav and Amit Kumar 2011. Variation in hallucal pattern in mentally retarded human beings. *Journal of Applied Biosciences. Vol.37(2). pp175-177(ISSN No. print- 0975-685X; e-ISSN-0975-864X)*.
14. **Minakshi Vashist**, Neelkamal and Amit Kumar. 2011. Whether paternal age effect exists as a risk factor in Trisomy -21. *Journal of Biosciences Biotechnology and Research Asia Vol 8(1) pp 247-252(ISSN: 0973-1245)*.

15. **Minakshi Vashist**, Ritu Yadav. 2011. Study of Maternal Age, Family History of Mental Retardation, Consanguinity in Mental Retardation (Various Risk Factors in Mental Retardation). *Research Journal of Biology Vol 01(1) pp.7–10* (ISSN 2049-1727).
16. **Minakshi Vashist**, Ritu Yadav, Neelkamal, Radha Rathee. 2011. Dankmeijer's index (D.I.) in Mental retardation 2011. *Internet Journal of Biological anthropology. Vol.4 (2)* (ISSN: 1939-4594).
17. **Minakshi Vashist**, Ritu Yadav and Shivani Kachroo. 2011. Prenatal, Postnatal and Neonatal risk factors intellectual disability. *Journal of Cytology and Genetics. Vol 12(NS) pp 85-92* (ISSN 0253-7605).
18. Neelkamal and **Minakshi Vashist**. 2011 "Morphogenetic Variation among Down syndrome patients." In proceeding of national seminar on internet application in research held on 26<sup>th</sup> march, 2011 by Deptt of Zoology. MDU Rohtak. pp 16-18.
19. Sapna Sharma, **Minakshi Vashist** & Neelkamal 2011. Internet as a tool in genetics research. In proceeding of national seminar on internet application in research held on 26<sup>th</sup> march, 2011 by Deptt of Zoology MDU Rohtak. pp 24-26.
20. **Minakshi Vashist**, Ritu Yadav, Neelkamal, and Amit Kumar. 2010. Axial triradius as a preliminary diagnostic tool in patients of Mental retardation. *Internet journal of Biological Anthropology. Vol. 4(1)* (ISSN: 1939-4594).
21. **Minakshi Vashist**, Kirti Sanwaria, Shivani Kachroo, and Jyoti Kaushal. 2010. Role of Gene Therapy in Cancer. *Journal of Radiation Oncology. Vol. 10 (1). pp. 9-16.*
22. **Minakshi Vashist**, Shiksha Sharma and M.G. Vashist. 2010. Genetics and Varicose veins. *Haryana Medical Journal. Vol. 30 (3). pp. 43-46.*
23. **Minakshi Vashist**, Radha Rathee, Kailash Mittal, Yashpal Verma and Jyoti Kaushal. 2010. Prognostic significance of cytogenetic analysis in acute myeloid leukemia. *Journal of Radiation Oncology. Vol.10 (2) pp.82-87.*
24. Vashist MG, Kharb S, Malik P, Verma M, Godara R, **Minakshi Vashist**. 2010. Significance of Peritoneal fluid lactic acid level in management of acute abdomen. *Indian Practitioner Vol. 63 (10) pp. 641-644* (ISSN 0019-6169).
25. **Minakshi Vashist**, Ritu Yadav, Neelkamal, Radha Rathee and Shiksha Sharma. 2010. Dermal patterns of Haryana Population. *National Journal of Life Sciences. Vol.7 (1), pp. 63-66*(ISSN 0975-1270).

26. **Minakshi Vashist**, Ritu Yadav, Kirti and Shivani Kachroo 2010. Cytogenetic analysis of mentally retarded patients of Haryana. *Journal of Cytology and Genetics*. Vol.11, pp:49-56 (ISSN 0253-7605)
27. Shivani Kachroo, **Vashist Minakshi**, Ritu Yadav and Amit Kumar 2010. Prenatal Environmental Risk Factors in Severe Intellectual Disability. In proceedings of National Conference on Environmental and Health Issues: In a Changing Climatic Scenario. pp. 183-187.
28. **Minakshi Vashist**, Neelkamal, Ritu Yadav and Meena Lal 2009. Trisomy- T (21; 21) with mosaicism in a Down Syndrome girl child: case report. *International Journal of Human Genetics*. Vol .9 (2) pp105-107 (ISSN 0972-3757).
29. **Vashist Minakshi**, Ritu Yadav and Shivani Kachroo 2009. Environmental risk factors and Mental Retardation. Proceedings International conference on changing environmental trends and sustainable development held at GJU Hisar. pp.269.
30. **Minakshi Vashist**, Neelkamal, Shivani Kachroo, and Ritu Yadav. 2009. Atd angle: A diagnostic tool in Down Syndrome Patients. *National Journal of Life Sciences*. Vol. 6(1) pp. 93-97 (ISSN 0975-1270).
31. **Minakshi Vashist**, Neelkamal and Ritu Yadav 2008. Phenotypic variability and delayed development in Down syndrome patients of Haryana. *Journal of cytology & Genetics*. Vol.9 (1) pp 47-53 (ISSN 0253-7605).
32. **Minakshi Vashist**, Ritu Yadav, Neelkamal, and Amit Kumar 2008. Evaluation of Digital configuration of mentally retarded patients. *National Journal of Life Sciences* Vol.5 (2) pp 295-298 (ISSN 0975-1270).
33. **Minakshi Vashist**, Shashi Yadav, M.G. Vashist, and R.S. Dahiya 2001. Serum amylase and its significance in acute abdomen. *Haryana Medical Journal* Vol.21 (9) pp 2-4.
34. **Minakshi Vashist**, Hardev Prashar, Pinaki Debnath, and R.S. Dahiya 2001. Quantitative analysis of gall stones in patients of cholelithiasis in Haryana. *Haryana Medical Journal*. Vol.21 (3) pp. 24-27.
35. **Minakshi Vashist**. 1996. Parallel patterns of resource utilization in altitudinal and latitudinal population of *D. immigrans*. *Proc. Conf. Cytol & Gent*.
36. Shamina, **Minakshi Vashist**, and R. Parkash. 1996. Alcohol dehydrogenase (ADH) polymorphism and ethanol tolerance in Indian populations of three *Drosophilids*. *Proc. Ind. Nat. Acad. Sci*. Vol. 60(6) pp491-498.

37. Parkash, R., Shamina, and **Minakshi Vashist** 1994. Latitudinal ADH Allozymic variation and Ethanol tolerance in Indian populations in *D.melanogaster*. *Zeit. Zool, Syst. Evol. Vol.3 pp 64-72*(ISSN 0947-5745). **Impact factor :1.8**
38. Parkash, R., J.P. Yadav and **Minakshi Vashist** 1994. Electrophoretic and cryptic genic variability natural population of *Z.indianus*. *Proc. Ind. Sci. Acad. B60 No.1; pp 75-82*.
39. **Vashist. M.**, R. Parkash, and Shamina. 1994. Patterns of microspatial & latitudinal selection of ethanol tolerance & ADH frequency in *D.melanogaster* from India. *Bio. Zent. Bl. Vol. 113 pp 97-105* (ISSN 1436-3356)**Impact factor: 0.23**
40. Parkash, R., S. Sharma, **Minakshi Vashist**, and Shamina 1994. Electrophoretic and cryptic allozymic variability in Indian natural population of two *Drosophila* species. *Proc. Conf. Cytol. & Gent Vol. 4 pp 21-25*.
41. Parkash, R., Shamina, **Minakshi Vashist**, and S. Sharma. 1994. Latitudinal ethanol tolerance in two colonizing *Drosophilids*. *Proc. Conf. Cytol & Gent. 1994; Vol. 4 pp 47-51*.
42. Shamina, R. Parkash, and **Minakshi Vashist**. 1994. Ethanol acetic acid tolerance in three sympatric *Drosophila* species. *Bio. Zent Bl. Vol. 113 pp 379-383*. **Impact factor: 0.23**
43. **Minakshi Vashist** and R. Parkash. 1994. Microspatial & latitudinal selection of ethanol tolerance & ADH frequency in *D.melanogaster* *Proc. Conf. Cytol & Gent. Vol. 5*
44. **Minakshi Vashist.**, Shamina and R. Parkash. 1994. Parallel adaptation to fermentation in *Z.indianus* & *D.melanogaster* populations. *Bio. Zent Bl. Vol. 115 pp 34-45* (ISSN 1436-3356)**Impact factor 0.23**
45. Parkash, R. Shamina, and **Minakshi Vashist**. 1994. Latitudinal ADH allozymic variation & ethanol tolerance in Indian population of *D.melanogaster*. *Zeit. Zool. Sys. Evol. vol.32 pp 64-72*(ISSN 0947-5745). **Impact factor :1.8**.
46. Parkash, R. and **Minakshi Vashist**. 1993. Cryptic Allozymic variation in *D.immigrans* populations. *Dros. Inform. Serv. Vol. 72 pp 90-91*.
47. **Vashist. M.**, and R. Parkash. 1993. Ethanol tolerance in *Z.indianus* populations. *Dros. Inform. Serv. Vol.72 pp 91-92*.
48. Shamina, **Minakshi Vashist**, and R. Parkash. 1993. Parallel patterns of higher ethanol utilization and ADH polymorphism in *D.melanogaster* & *Z.indianus* populations from India. *Evol. Biological. Vol. 7 pp 273-290*.

49. Parkash, R., J.P. Yadav. And **Minakshi Vashist**. 1992. Allozyme variation at ADH locus in some Drosophila species. *Perspectives in Cytology & Genetics, Vol.7 pp 495-502 (ISSN 0970-4507)*.
50. Parkash, R., **Minakshi Vashist** and Shamina. 1992. Ethanol tolerance and ADH polymorphism in Indian natural population of *Zaprionus indianus*. *Korean J. Genetics, Vol.14 (4) pp 261-280(ISSN 0254-5934)*. **Impact Factor: 0.41**
51. Parkash, R., J.P. Yadav, and **Minakshi Vashist**. 1992 Persistence of allozymic variation in populations of two colonizing Drosophila species. *Cell & Chromosome Research, Vol. 15 pp 22-30(ISSN 1475-9268)*.
52. Yadav, J.P., **Minakshi Vashist** and R. Parkash. 1992. Patterns genic homogeneity in Indian populations of *D.immigrans*. *Dros. Inform. Serv. Vol. 71 pp 267-268*.
53. Parkash. R., **Minakshi Vashist**., and J.P. Yadav. 1992. Isoelectrophoretic variation at *AcpH*. Locus in *D.ananassae* populations. *Dros. Inform. Serv. Vol. 71 pp 266-267*.
54. Parkash, R., **Minakshi Vashist**, and J.P. Yadav. 1992. Allozymic variation in six Indian populations of *D. busckii*. *Dros. Inform. Serv. Vol. 71 pp 262-264*.
55. Parkash, R; Shamina, and **Minakshi Vashist**. 1991. ADH allozymic variation in nine Drosophila species. *Dros. Inform. Ser Vol.. 70 pp 175-76*.
56. Parkash, R., Shamina and **Minakshi Vashist**. 1990. Genetic analysis of polymorphic alkaline phosphatases in Drosophila species. *J.Adv.Zoology, Vol. 11 pp 89-94(ISSN: 0253-7214)*.

#### LIST OF ABSTRACTS:

1. Ashok Kumar, **Minakshi Vashist**, Pankaj Abrol, Radha Rathee. 2013. Acute lymphocytic leukemia: A cytogenetic analysis of patients from Haryana. National Symposium: *Biotechnology: present status and future prospects* held at DCRUST Murthal.
2. **Minakshi Vashist**, Radha Rathee, Ashok Kumar, Neelkamal, Sunita Singh 2013. Ploidy levels in Acute Lymphocytic Leukemia. International conference on next revolution in Genetics & Genomics- Applications in health and disease. held at Dr. RML Hospital, New Delhi, Abstract No.2, pp.56.
3. Neelkamal, Radha Rathee and **Minakshi Vashist** 2013. IQ level and phenotypic variability in Down Syndrome in Proceedings of 100<sup>th</sup> Indian Science Congress, Kolkata.

4. Kirti Grow, **Minakshi Vashist** and Pankaj Abrol. 2012. Complications in Beta Thalassemia patients. International Symposium on developmental and Complex disorders & 38<sup>th</sup> Annual Conference of ISHG: Genomics & Community Health held at BHU, Varanasi pp90.
5. Neelkamal and **Minakshi Vashist** 2012. Associated Medical Problems for Downs Syndrome. International Symposium on developmental and Complex disorders & 38<sup>th</sup> Annual Conference of ISHG: Genomics & Community Health held at BHU, Varanasi pp 146.
6. Shiksha Sharma, **Minakshi Vashist**, Amit Kumar and M.G. Vashist 2012. Epidemiology and Genetics of Varicose veins. International Symposium on developmental and Complex disorders & 38<sup>th</sup> Annual Conference of ISHG: Genomics & Community Health held at BHU, Varanasi pp 133.
7. **Minakshi Vashist**, Shiksha Sharma, Kirti Grow and M.G. Vashist 2012. FOXC2 genes and varicose veins. National Update on venous disorders organized by Association of thoracic and cardiovascular surgeons of India at PGIMS Rohtak.
8. **Minakshi Vashist** and Amit Kumar 2012. Chromosome anomalies in moderate intellectual disability. International Conference on Genes, Genetics & Genomics & 37<sup>th</sup> Annual Conf. of the Indian Society of Human Genetics held at P.U Chandigarh pp 167.
9. **Minakshi Vashist**, Shivani Kachroo and Kirti Grow 2012. Occurrence of Severe Mental Retardation in Haryana. International Conference on Genes, Genetics & Genomics & 37<sup>th</sup> Annual Conf. of the Indian Society of Human Genetics held at P.U Chandigarh pp 166.
10. Kirti, **Minakshi Vashist** and Pankaj Abrol. 2011. Prevalence of beta thalassemia. International Congress of Human Genetics held at Montreal, Canada.
11. **Vashist Minakshi**, Shivani Kachroo, and Amit Kumar 2011. Chemical and Thermal modifications in polymerase chain reaction of ccg elements in human fmr1 gene. 6<sup>th</sup> National Conference on Thermodynamics of chemical and biological systems. Deptt. of Chemistry. Maharshi Dayanand University Rohtak. (The Indian Thermodynamic society)
12. Kirti, **Minakshi Vashist** and Sonika. 2011. Role of thermodynamics in structural molecular biology. National Conference on Thermodynamics of Chemical and Biological systems held at Deptt. of Chemistry, M. D University, Rohtak. pp. 180.
13. Radha Rathee, **Minakshi Vashist**, Neelkamal and Ritu Yadav. 2011. Genetics and Thermodynamics. National Conference on Thermodynamics of Chemical and Biological systems held at Deptt. of Chemistry, M. D University, Rohtak. Pp. 181.
14. Sapna sharma, **Minakshi Vashist** & Neelkamal 2011. Internet as a tool in genetics research. In proceeding of national seminar on internet application in research held at Deptt of Zoology MDU Rohtak. pp 24-26.

15. Neelkamal & **Minakshi vashist** 2011 öMorphogenetic Variation among Down syndrome patients.ö In proceeding of national seminar on internet application in research held at Deptt of Zoology. MDU Rohtak. pp 16-18.
16. **Vashist Minakshi**, Amit Kumar, Joginder Kairo, Ritu Yadav, Shivani Kachroo 2011. Role of Prenatal, Neonatal and Postnatal Risk Factors in Patients of Profound Mental Disability. In Neurophysiology, Section XI: Medical Sciences (Including Physiology), Proceedings of 98<sup>th</sup> Indian Science Congress 2011, Chennai. Abstract No. 9 pp. 139.
17. Ritu Yadav, **Vashist Minakshi**, Shivani Kachroo and Radha Rathee. 2010. Interaction of Environmental Factors and Cancer. National Conference on Environmental and Health Issues: In a Changing Climatic Scenario. Abstract no. 22. pp. 21
18. Shivani Kachroo, **Vashist Minakshi**, Ritu Yadav and Amit Kumar. 2010. Prenatal Environmental Risk Factors in Severe Intellectual Disability. National Conference on Environmental and Health Issues: In a Changing Climatic Scenario. Abstract no. 53. pp. 48.
19. **Vashist Minakshi**, Shiksha Sharma, Radha Rathee and Kirti. 2010. Risk Factors Of Varicose Veins Syndrome. National Conference on Environmental and Health Issues: In a Changing Climatic Scenario. Abstract no. 68. pp. 61.
20. **Vashist Minakshi**, Radha Rathee, Shiksha Sharma, Kirti, Sunita Singh and Hitesh Garg. 2010. Age and Sex óSpecific incidence of Acute Myeloid Leukemia. National Conference on Medical Biotechnology-Vision 2020. pp.74.
21. **Vashist Minakshi**, Neelkamal and Shivani Kachroo. 2010. Prevalence of Down syndrome and maternal age. National Conference on Medical Biotechnology ó Vision 2020. Abstract no. 80. pp. 76.
22. **Vashist Minakshi**, Radha Rathee, Shiksha Sharma. 2010. Prevalence of acute and chronic forms of leukemia in Haryana population. State Level one day conference on Applications and special effects of advanced tools and techniques in current zoology. held at G.C. Sonapat. pp. 20.
23. **Vashist Minakshi**, Neelkamal, Shivani Kachroo and Kirti. 2010. Role of maternal age in downs syndrome. 97<sup>th</sup> Indian Science Congress association held at Kerala. Abstract No.101.pp.181.
24. Radha Rathee, **Vashist Minakshi**, Sunita Singh, and Sumiti Gupta. 2010. Prevalence of Leukemia with age and sex wise distribution. 97<sup>th</sup> Indian Science Congress association held at Kerala. Abstract No.43.pp.127.
25. **Vashist Minakshi**, Amit Kumar, Ritu Yadav and Shiksha Sharma. 2010. Assessment of Risk factors (Prenatal, Postnatal and Neonatal) in Mental Disability. 2010. 97<sup>th</sup> Indian Science Congress association held at Kerala. Abstract No.74.pp.155.
26. **Vashist Minakshi**, Ritu Yadav, Shivani Kachroo and Neelkamal Kaushik 2009.Evaluation of developmental delay inpatients of mental retardation in Haryana.

International Conference on birth defects and developmental delay under section Burden of Birth Defects, Surveillance Epidemiology. New Delhi. pp. 166.

27. **Vashist Minakshi**, Ritu Yadav, Radha Rathee and Kirti. 2009. Dysmorphic features and mental retardation. International Conference on birth defects and developmental delay under section Burden of Birth Defects, Surveillance Epidemiology. New Delhi.
28. **Vashist Minakshi**, Ritu Yadav and Shivani Kachroo. 2009. Environmental risk factors and Mental Retardation. Proc International conference on changing environmental trends and sustainable development held at GJU Hisar extended abstract pp.269.
29. Amit Kumar, **Vashist Minakshi**, Ritu Yadav, and Neelkamal. 2009. Digital Variability in Mental Retardation. 96<sup>th</sup> Indian Science Congress association held at Shilong. Abstract No.129.pp.106.
30. **Vashist Minakshi**, Ritu Yadav, Ashok Kumar and Shivani Kachroo. 2009. Atd Angle as Assesment Tool in cases of Mental Retardation. Digital Variability in Mental Retardation. 96<sup>th</sup> Indian Science Congress association held at Shilong. Abstract No.130.pp.106-107.
31. **Vashist Minakshi**, Radha Rathee, Manju Bhardwaj, Shiksha Sharma and Kirti. 2009. Prenatal, Neonatal, Postnatal risk factors and Mental Retardation. Digital Variability in Mental Retardation. 96<sup>th</sup> Indian Science Congress association held at Shilong. Abstract No.131.pp.107.
32. **Vashist Minakshi**, Neelkamal, Amit Kumar and Ashok Kumar. 2008. Cytogenetics analysis of Down-Syndrome patients from Harayna. State level Seminar on Biological prospective held at G.C. Rtk. pp.24.
33. **Vashist Minakshi**, Ritu Yadav, Ashok Kumar and Amit Kumar. 2008. Axial triradius in the patients of Mental retardation: a diaganostic tool. Seminar on Biological Prospective held at G.C. Rtk. pp.17.
34. **Vashist Minakshi**, Ritu Yadav and Neelkamal. 2007. Study of different traits of Dermatoglyphics in normal population. 94<sup>th</sup> Indian Science Congress association held at Anamalainagar Chidambarum Tamilnadu. Abstract No. 47.pp.32.
35. **Vashist Minakshi**, Neelkamal and Ritu Yadav. 2007. Down-Syndrome with mosacisium in a girl child. 94<sup>th</sup> Indian Science Congress association held at Anamalainagar. Abstract No.64.pp.50-52.
36. **Vashist, Minakshi**, 1996. Adaptation to alcoholic resources in Indian populations of D. melanogaster. 17<sup>th</sup> Annual Session of Academy of Environmental Biology held at Rohtak 1996, Abstract No. 5 (0241) OP. pp. 88.
37. **Vashist, Minakshi**, 1996. Parallel patterns of resource utilization in altitudinal and latitudinal population of D. immigrans. 6<sup>th</sup> All India congress of Cytology and Genetics at Rohtak.

38. **Vashist, Minakshi**, 1995. Resource utilization and desiccation tolerance in altitudinal populations of *D. melanogaster*. National symposium on recent advances in Bio. Sciences, Rohtak. p .38, Abstract-95.
39. **Vashist, Minakshi**, 1995. Analysis of phosphatases and esterases during ontogeny of *Drosophila ananassae*. XIth National Symposium on Development Biology, Rohtak p.38, Abstract-95.
40. Parkash, R., Shamina & **Minakshi Vashist**, 1994. Latitudinal & Adh allozymic variation and ethanol tolerance in Indian population of *D. melanogaster* 21- the population biology of *Drosophila*.
41. **Vashist, Minakshi** & R. Parkash, 1994. Microspatial & latitudinal selection of ethanol tolerance & Adh frequency in *D.melanogaster*. Fifth All India Conference on Cytology & Gen., Kurukshetra, p.19, Abstract-33.
42. Shamina, **Minakshi Vashist** & Neena, 1994. Ethanol & Acetic acid tolerance in three sympatric *D. species*. Proc. 81<sup>st</sup> Ind. Sci. Cong., Jaipur, pp.95, Abstract182.
43. Shamina, R. Parkash, **Minakshi Vashist** & Neena, 1993. Adh allozymic variation & ethanol tolerance in Indian population of *D. ananassae*. *Drosophila Stock Centre*.
44. Parkash, R., **Minakshi Vashist**, Shamina & Neena, 1993. Ethanol tolerance in *Drosophila immigrans* & *Z. indianus*. 63<sup>rd</sup> National Science Academy.
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**National/International Conferences/Workshop/ Symposia attended and presented papers:**

1. International Workshop on Inborn Errors of Metabolism held at Dr. RML Hospital, New Delhi, India (4<sup>th</sup> Apr 2013).
2. International Conference on Next Revolution in Genetics and Genomics at NASC Center, New Delhi. ( Jan 27-29, 2013).
3. Affymetrix Personalized Medicine Conference organized by Imperial Life Sciences held at New Delhi (5 March 2012).

4. National update on venous disorders & C.M.E on thoracic & vascular injuries organized by Association of Thoracic & Cardiovascular Surgeons of India at Pt.B.D.Sharma Post Graduate Institute of Medical Sciences Rohtak(26<sup>th</sup> Aug 2012.).
5. International Conference on Genes, Genetics& Genomics & 37<sup>th</sup> Annual Conf. of the Indian Society of Human Genetics held at P.U Chandigarh ( March 3-5, 2012
6. National Seminar on Recent Advancements in Applications of Genetics organized by Deptt. Of Genetics, M. D. University, Rohtak, Haryana (Mar. 20, 2012).
7. National Conference on Thermodynamics of Chemical and Biological systems held at Deptt. Of Chemistry, M. D University, Rohtak. (Nov 2-4, 2011).
8. National Seminar on Molecular Techniques- The face of Modern Sciences organized by Deptt. of Biochemistry, M.D. University, Rohtak. (Oct. 24, 2011).
9. National Conference on Environmental and Health Issues: In a Changing Climatic Scenario held at Deptt. Of Environmental Sciences, M.D. University, Rohtak. (Nov.2010).
10. National Conference on Medical Biotechnology- Vision 2020 held at Advanced Centre for Biotechnology, M. D University, Rohtak. (April, 16-18, 2010).
11. National Seminar on Environmental Changes: Sustainable Development held at Deptt. Of Environmental Sciences, M.D. University, Rohtak. (March, 29-30, 2010).
12. National Seminar on Biodiversity: Concerns and solution organized by The Department of Botany, M.D. University, Rohtak. (Nov.20, 2009).
13. 3<sup>rd</sup> winter Symposium on molecular medicine translational crossroads organized by The Department of Biotechnology & Molecular Medicine, PGIMS, Pandit Bhagwat Dayal Sharma University of Health Sciences on 15. Dec. 2009
14. International Conference on birth defects and developmental delay under section Burden of Birth Defects ,Surveillance Epidemiology held at New Delhi, (Oct, 4 -6 2009).
15. Workshop on Advances in Genomic techniques held at AIIMS, New Delhi. (Oct 4, 2009).
16. International Conference on Changing Environmental Trends and Sustainable Development held at Deptt. of Environmental Science and Engineering at G.J.U, Hisar. (Feb. 9-11, 2009).
17. Symposium on trends in traditional medicine organized by The Department of Biotechnology & Molecular Medicine, PGIMS, Pandit Bhagwat Dayal Sharma University of Health Sciences on Jan. 9, 2009.
18. 12<sup>th</sup> Foundation Day Symposium on Molecular Medicine- the emerging frontiers of Biotechnological Society of India organized by The Department of Biotechnology &

Molecular Medicine, PGIMS, Pt B,D S University of Health Sciences on Jan. 9, 2008.

19. National Conference on Biotechnology at M.D. University, Rohtak held in 2007 (Aug. 20-21).
20. Patent awareness workshop held at M.D. University, Rohtak in 2005.
21. Refresher course in Environmental Science and Engineering at G.J.U, Hisar in 2002.
22. Workshop on Prenatal and Postnatal diagnosis of Genetic disorders using Molecular methods at AIIMS, New Delhi 2002 (March 11-25).
23. Refresher Course in Criminology and Forensic Sciences at NICFS at New Delhi 2001 (Sept. 2-22).
24. Reorientation course at ASC Punjab University, Chandigarh. 2000.
25. 17<sup>th</sup> annual Session of Environmental Biology held at M.D. University, Rohtak in 1996 (Nov. 16-18).
26. Refresher course in Bio-Sciences held at M.D. University, Rohtak in 1996 (Feb 12 to March 3).
27. 6<sup>th</sup> AICCG held at M.D. University, Rohtak in 1996 (March 8-10).
28. National Symposium on recent advances in Bio-Sciences held at M.D. University, Rohtak in 1995.
29. XIth National Symposium on Developmental Biology held at M.D. University, Rohtak in 1995 (March 25-27).
30. Workshop on Communication and Extension Teaching Methods held at Krishi Gyan Kendra, Rohtak in 1994 (Jan 20-27).
31. 5<sup>th</sup> all India Conference on Cytology and Genetics held at Kurukshetra University, Kurukshetra in 1994 (Sept. 26-28).
32. 4<sup>th</sup> All India Conference on Cytology and Genetics held at Karnataka State Sericulture Development Institute, Bangalore in 1992 (Nov. 5-7).
33. 61<sup>st</sup> Annual Session of the National Academy of Sciences held at Meerut University, Meerut in 1991 (Dec. 19-21).
34. Reorientation course in Bio-Sciences held at M.D. University, Rohtak in 1989 (Dec. 23-30).
35. 8<sup>th</sup> All India Congress held at Kaktiya University Warangal in 1989 (June 13-15).

