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DEPARTMENT OF GENETICS
MAHARSHI DAYANAND UNIVERSITY, ROHTAK-124001
(State University established under Haryana Act No. XXV of 1975)
NAAC Accredited 'A' Grade

Personal Information:

Name : Prof..Minakshi Vashist
Date of Birth : 14.02.1967
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Primary affiliation : Maharshi Dayanand University Rohtak

Employment History

Designation	Institution served	Duration		Role
		From	To	
Assistant Professor	C.C.S.H.A.U Hissar	1993	1996	Teaching, Research & Administrative assignments
Lecturer	M.D.University Rohtak	1996	2002	Teaching, Research & Administrative assignments
Associate Professor	M.D.University Rohtak	2002	2010	Teaching, Research & Administrative assignments
Professor	M.D.University Rohtak	2010	Till date	Teaching, Research & Administrative assignments

Educational Qualification:

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

Research funding :

Title of Project	Duration	Funding Agency	Status	
			Completed	In Progress
1.A study of etiopathogenesis of gallstones 2. A study on molecular cytogenetic	2001-2002 2009-	UGC	Completed	-----

characterization of XLMR patients in severe mental retardation.	2012	UGC	Completed
3. Evaluation of mental retardation cases in Haryana population by morphogenetic and cytogenetic analysis.	2009-2013	I.CM.R	Completed

Recognition:

- 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

Professional involvement:

Assignments M.D. University, Rohtak

- H.O.D Deptt. of Genetics (2013-16) (2019- continuing)
- Deputy coordinator UGC SAP , DST FIST projects funded to Deptt Genetics
- Member Institutional Human Ethical Committee
- Member Academic council M.D.U Rohtak
- Member Committee of unfair means(time to time) M.D.U Rohtak
- Member Faculty of Life science M.D.U Rohtak
- Member P.G.BOS /DRC/D.C Deptt. of Genetics M.D.U Rohtak
- Member of various selection/inspection committees.
- Theory & Practical examiner for U.G & P.G & PhD Programme.
- Judge for various competitions & Extracurricular activities held by faculty of Life Science
- Outside/Subject expert in screening-cum-evaluation committee of university & colleges

Assignments outside M.D. University, Rohtak

- Member of various selection/ evaluation committees (UGC)
- Theory & Practical examiner for U.G & P.G Programme
- External examiner for PhD examination to different universities
- Outside /Subject expert in PGBOS of other university
- Reviewer of various prestigious journals(3Biotech , Tumor Biology, Journal of Epidemiology and Global Health)

Supervision & mentoring:

- **Ph.D** 11 (completed) & 6(continuing)
- **M.Phil/MSc** 40

Research work

Research lab is working in the field of molecular diagnosis of NCD disorders of Humans. Currently we are focussing on early detection of gynaecological tumours & trying to find a predictive & prognostic biomarker. (Analysing effect of miRNAs deregulation on tissue specific target, expression of miRNA target protein to establish miRNAs as biomarkers for early diagnostic application and to detect high risk & low risk patients for aggressive and poor progression in ovarian & cervical cancer. Trying to find association of p53 gene polymorphism and ovarian carcinoma susceptibility) Effective screening strategies research is ongoing. Next step is to harvest the therapeutic potential of genetic characterization for improved clinical outcome. Research is also in progress to study genetic architecture of addiction leading to criminality. There is a strong need to understand how a signal from one of candidate gene affects the liability to addiction at a biological

level. Simultaneously we are trying to establish a animal tissue culture lab to work on animal cell line & to develop a lab to work on genotoxicity. In coming years we have a plan to establish a molecular diagnostic lab to detect potentially treatable genetic conditions.

Ongoing/completed Research projects

- 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
- Molecular cytogenetic characterization of varicose vein patients
- Evaluation of ovarian & cervical cancer by molecular & cytogenetic characterization to establish their prognostic marker & to know therapeutic potential
- Genetic characterization of miRNA as a diagnostic biomarker in ovarian cancer & cervical cancer
- STR genotyping of drug addicts & alcoholics
- Characterization of P⁵³ gene mutation as prognostic biomarker in ovarian carcinogenesis
- To identify the role of Chitinase like protein in cancer diagnostics & to imply its therapeutic potential.
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Publications:

Research Papers: **80** Abstracts: **80**(National -**69**; International: **11**)

Additional information :

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
- Member Institutional Human Ethical Committee

List of conference organized :

1. National Seminar on Recent Advances in Application of Genetics. Organized by Department of Genetics, MDU, Rohtak on March 20, 2012.
2. National Seminar on Novel Antimicrobials: An Alternative to Clinical Antibiotics. Organized by Department of Genetics, MDU, Rohtak on September 14, 2013.
3. One day Conference on Molecular Pathology of Human Genetic Diseases. Organized by Department of Genetics, MDU, Rohtak on August 23, 2014.
4. National Conference on Therapeutic Potential of Natural Products: Current Innovations & Future Trends+ Organized by Department of Genetics, MDU, Rohtak on March 19, 2015.
5. One day National workshop on Advanced Forensic Aspects of CSI & Fingerprint ExaminationqOrganized by Department of Genetics on 21st November 2015
6. National conference on Genetic Diversity and Therapeutic Potential of Natural Products+organised by Deptt of Genetics M.D.U Rohtak on Sept 17, 2016
7. One day conference cum workshop on Skill development in molecular techniquesqorganised by Deptt of Genetics M.D.U Rohtak on Nov. 12, 2016
8. One day National seminar on Current Scenario In Forensic Investigative Techniquesqorganised by Deptt of Genetics M.D.U Rohtak on Sept. 7, 2017.

9. One day National workshop on %DNA Forensics-The Brouhaha or the science.+Organized by Department of Genetics, MDU, Rohtak on November 21, 2017.
10. National workshop on “Intellectual Property Rights Protection+, Dept. of Genetics and IPR cell, M.D. University, Rohtak on Nov 03rd 2018,
11. National Workshop cum Awareness Program on %Bioethics in Research: A Need or Compulsion+ organized by Department of Genetics held at Seminar Hall, Department of Genetics on 15th Nov. 2018.
12. One week on line workshop Holistic approach towards Research in pandemic from 27th June to 3rd July organised by Department of Genetics in collaboration with SHoDH(Students for Holistic Development of Humanity) Haryana .

List of Publications of Prof. Minakshi Vashist

- 1 Paliwal Nidhi, **Vashist Minakshi**, Chauhan Meenakshi (2020) Evaluation of miR-22 and miR-21 as diagnostic biomarkers in patients with epithelial ovarian cancer. *3Biotech* 10, No. 3 article 142 <https://doi.org/10.1007/s13205-020-2124-7> **Springer**
- 2 Sharma Shiksha, **Vashist Minakshi**, Vashist Madan Gopal. (2019). Manifestation of Clinical Symptoms & associated complications in varicose veins: an institutional study. *Indian journal of public health research and development*. Vol.10,no.12:481-486. ISSN:0976-0245 E-ISSN:0976-5506 **Scopus**
- 3 Deshwal Suman, **Vashist Minakshi**, Gupta Rajiv. (2019). Analysis of Pattern and Extent of substance abuse/dependence: An Institutional study. *Indian journal of public health Research and development*. Vol.10,no.10:429-433. ISSN:0976-0245 E-ISSN:0976-5506 **Scopus**
- 4 Paliwal Nidhi, **Vashist Minakshi**, Chauhan Meenakshi, Sharma Shiksha, Bazard Geeta (2019).MicroRNA: A potential diagnostic biomarker in ovarian carcinogenesis. *International Journal of Biological and Medical Research (IJBM)*;10(1):6672-6677 ISSN:0976-6685
- 5 Sharma Shiksha, **Vashist Minakshi**. (2019). MicroRNA in cervical carcinogenesis: Window of therapeutic potential. *Current Women's Health Review*. Volume 15 , Issue 3 , 2019 : **171 - 178** ISSN: 1875-6581, 1573-4048 . DOI: [10.2174/1573404814666181102150558](https://doi.org/10.2174/1573404814666181102150558) **Springer**
- 6 Shiksha Sharma **Minakshi Vashist** ,Madan Gopal Vashist (2017). Family history as a major predisposing factor in varicose vein disorder. *European J. of Biomedical & Pharmaceutical Sciences EJBPS* 4(12): 392-396 (ISSN No.2349-8870) SJIF 4.918.
- 7 Geetanjali Yadav, **Minakshi Vashist**, Rajiv Sen, Ritu Yadav, Nidhi Paliwal(2017). CHI3L1 Overexpression In Different Types of Ovarian Cancer *IOSR Journal of Pharmacy and biological Sciences (IOSR-JPBS)* e-ISSN:2278-3008, Volume 12, Issue 4(5) PP 28-32. index Copernicus; I.F(AQCJ) -3.83 Doi 10.9790/3008-1204052832;JGate
- 8 Shiksha Sharma, **Minakshi Vashist**, Ritu Yadav and Kirti Grow. (2017). Higher prevalence of varicose veins in pregnant women. *IOSR Journal of Biotechnology and Biochemistry*. Volume 3, Issue 4(2) , pp 28-30. ISSN:2455-264X,Doi 10.9790/264x03042830

- 9 **Minakshi Vashist**, Geetanjali Yadav, Nidhi Paliwal, Kirti Grow (2016). YKL-40 and CA-125 as predictive prognostic serum biomarker for ovarian cancer. *Journal of Carcinogenesis. The Asian Clinical Oncology Society Theme: Cancer in Asia: Bridging the Gaps ACOS supplement (S107-108)*ISSN 0974-6773 EISSN:1477-3163 SCIPUB MED USA. **Scopus**
- 10 **Minakshi Vashist**, Shiksha Sharma, Madan Gopal Vashist(2015). Molecular Genetic analysis of FOXC2 gene mutation in V.V patients of North India. *J International Angiology supplement of UIP Seoul Vol. 34 suppl.1 aug 2015(106)* ISSN 0392—9590 online issn 1827-1839)European form **Scopus**
- 11 Ritu Yadav,Priti Chawhan,Rajeev Sen & **Minakshi Vashist**(2015). Mammoglobin: As a diagnostic marker for breast cancer. *International Journal of recent scientific research JRSR 6(12)*ISSN 7703-7706 EISSN 0976-3031.
- 12 Neelkamal, Radha Rathee, **Minakshi Vashist**, Ashok Kumar(2015). Environmental Factors as causative agents for Acute Lymphoblastic Leukemia. *European J. of Biomedical & Pharmaceutical Sciences*, 2(4):905-913. (ISSN No.2349-8870). SJIF 4.918. Index copernicus
- 13 **Minakshi Vashist** , Ritu Yadav, Kirti Grow, Shiksha Sharma(2015). Epidemiology of delayed milestones in different level of intellectual disabilities *European J. of Pharmaceutical & medical Research*,EJPMR 2(6): 229-233 (ISSN No.2394-3211) SJIF 4.897. index Copernicus.
- 14 Ritu Yadav, Vivek Kaushal, Preeti Chauhan, **Minakshi Vashist** (2015) Estrogen receptor (ESR1) polymorphism and breast cancer. *American Journal of Pharmtech Research*.Vol5 (1)113-136.ISSN:2289-3387 Impact factor: 0.98. **Scopus**
- 15 Kirti Grow, **Minakshi Vashist**, Pankaj Abrol, Shiksha Sharma and Ritu Yadav. (2014). Beta thalassemia in India: Current status and the challenges ahead. *International Journal of Pharmacy and Pharmaceutical Sciences Vol 6 (4)*.28-33 ISSN- 0975-1491. SCIMAGO impact factor- 1.59. **Scopus & ICI**
- 16 Rathee R, Kamal N, Kumar A, **Vashist M**, Yadav R. (2014) Dermatoglyphic patterns of Acute Leukemia patients. *International Research Journal of Biological Sciences*. vol.3, issue (6), pp90-93. (ISSN No.2278-3202)
- 17 Radha Rathee, **Minakshi Vashist**, Ashok Kumar, Sunita Singh, Incidence of Acute and Chronic forms of Leukemia in Haryana. (2014)*International Journal of Pharmacy & Pharmaceutical Sciences*, 6(2):323-325. (ISSN No.0975-1491)Impact Factor =.28 **Scopus & ICI**
- 18 Ashok Kumar, **Minakshi Vashist**, Radha Rathee (2014). Maternal factors and risk of childhood leukemia. *Asian Pacific Journal of Cancer Prevention*, 15(2):781-784. (ISSN No.1513-7368) **Scopus**
- 19 Radha Rathee, **Minakshi Vashist**, Ashok Kumar, Sunita Singh. (2014) Role of various risk factors in occurrence of Acute Myeloid Leukemia. *International Journal of Advanced Research*. 2(2):425-431. (ISSN No.2320-5407)**CROSSREF**
- 20 Shivani Kachroo and **Minakshi Vashist**. Book on: Molecular cytogenetic XLMR in Idiopathic Severe Mental Retardation (2014). *VDM publisher, Scholar press, Germany*. SBN-11: 978-3-639-70711-3.ISBN-10:3639707117 EAN:9783639707113
- 21 **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. **Elsevier**

- 22 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: 0975-1718/online 2249-3247.
- 23 Kirti, Minakshi Vashist**, Ritu Yadav, Shiksha Sharma (2013). Associated complications in beta thalassemia patients. (IOSR) international organization of scientific research Journal of pharmacy (IOSRPHR). vol. 3(1(ver.3):22-25.p/ISSN:2319-4219; ISSN (e)2250-3013 ACP impact factor:1.44 DOI : 10.9790/3013-31302225
- 24 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(IOSRJPBS)* Vol 7 (5): 56-59. ISSN: 2278-3008. (*Index Copernicus*); *I.F(AQCJ)* - 3.83; *J Gate*.
- 25 Minakshi Vashist**, Ritu Yadav, Shiksha Sharma (2013) Study of prevalence, sex ratio and different level of intellectual disability in Haryana. *Indian journal of public health research & development*, vol.4(2), 211-214 Doi10.5953/J.0976-55642.045 **Scopus & ICI**
- 26 Kirti Grow**, Pankaj Abrol , **Minakshi Vashist** , Ritu Yadav and Shiksha Sharma.(2013). Associated Complications In Beta Thalassemia Patients. *International Organization of Scientific Research Journal of Pharmacy (IOSRPHR)* Vol. 3 (issue 1) pp 22-25. ACP impact factor:1.44. e-ISSN: 2250-3013, p-ISSN: 2319-4219
- 27 Ritu Yadav and Minakshi Vashist** (2012) Book on Study of mental retardation by morphogenetic&cytogenetic analysis LAP Lambert AcademicPublishing ISBN-13:978-3-659-19690-4 ISBN-10:3659196908
- 28 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)()* (ISSN No. 0973-1245).
- 29 Ritu Yadav, Minakshi Vashist**, Shiksha Sharma and Kirti. (2012). Intellectual disability- Challenge for Society. *Biosciences Biotechnology Research Asia Vol 9 No. (2) ()* (ISSN No. 0973-1245).
- 30 Ashok Kumar Radha Rathee, Minakshi Vashist**, Neelkamal, Sunita Singh & Sumity Gupta(2012). Acute Lymphocytic Leukemia: An Epidemiological & Hematological study from Haryana. *Biosciences Biotechnolgy Research Asia. Vol.9 (2)pp 813-817 (ISSN No. 0973-1245)*.

- 31** Ashok Kumar, **Minakshi Vashist**, Radha Rathee, Neelkamal. (2012). Dermatoglyphics in children of acute lymphocytic leukemia from Haryana. *International Journal of Biotechnology and Biosciences*, 2(4): 272-75. (ISSN 2231 – 0304)
- 32** **Minakshi Vashist**, Neelkamal, Ritu Yadav, Amit Kumar, Shiksha Sharma and Radha Rathee. (2012). Dermatoglyphics - A Diagnostic Tool in Trisomy. 21. *J. Applied Biosciences*, 38(2) pp 1-22 (ISSN No. print- 0975-685X; e-ISSN-0975-864X).
- 33** **Minakshi Vashist**, Shivani Kachroo, Neelkamal and Ritu Yadav(2011). Improvisation in PCR for amplification of GC rich sequences (CGG repeats) in fraxa gene in humans+. *International Journal of Biotechnology and Bioscience Vol 1(3) pp 349-352(ISSN- 2231-304)*.
- 34** **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)*.
- 35** **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. . Vol. 4, Issue 2, April-June 2011. Pp 211-14*.
- 36** **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)*.
- 37** **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)*.
- 38** **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)*.
- 39** **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)*.
- 40** **Minakshi Vashist**, Ritu Yadav, Neelkamal, Radha Rathee.(2011). Dankmeijerç index (D.I.) in Mental retardation 2011. *Internet Journal of Biological anthropology. Vol.4 (2) (ISSN: 1939-4594)*.
- 41** **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)*.
- 42** Neelkamal and **Minakshi Vashist**. (2011) %Morphogenetic Variation among Down syndrome patients.+In proceeding of national seminar on internet application in research held on 26th march, 2011 by Deptt of Zoology. MDU Rohtak. pp 16-18.
- 43** 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 26th march, 2011 by Deptt of Zoology MDU Rohtak. pp 24-26.

- 44 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).
- 45 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.
- 46 Minakshi Vashist**, Shiksha Sharma and M.G. Vashist. (2010). Genetics and Varicose veins. *Haryana Medical Journal*. Vol. 30 (3). pp. 43-46. (ISSN No. 0971-892)
- 47 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.
- 48 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).
- 49 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).
- 50 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)
- 51 .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.
- 52 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).
- 53 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.
- 54 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).
- 55 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).
- 56 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).

- 57 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. (ISSN No. 0971-892)*
- 58 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. (ISSN No. 0971-892)*
- 59 Minakshi Vashist**. 1996. Parallel patterns of resource utilization in altitudinal and latitudinal population of *D. immigrans*. *Proc. Conf. Cytol & Gent.*
- 60** 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.*
- 61** 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*
- 62** 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.*
- 63 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*
- 64** 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.*
- 65** 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.*
- 66** Shamina, R. Parkash, and **Minakshi Vashist**. 1994. Ethanol acetic acid tolerance in three sympatric *Drosophila* species. *Bio. Zent Bl. Vol. 113 pp 379-383. (ISSN 1436-3356)Impact factor 0.23*
- 67 Minakshi Vashist** and R. Parkash. 1994. Microspatial & latitudinal selection of ethanol tolerance & ADH frequency in *D.melanogaster* *Proc. Conf. Cytol &Gent. Vol. 5*
- 68 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*
- 69** 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.*
- 70** Parkash, R. and **Minakshi Vashist**. 1993. Cryptic Allozymic variation in *D.immigra*ns populations. *Dros. Inform. Serv. Vol. 72 pp 90-91.*
- 71 Vashist. M.**, and R. Parkash. 1993. Ethanol tolerance in *Z.indianus* populations. *Dros. Inform. Serv. Vol.72 pp 91-92.*

- 72 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.*
- 73 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).*
- 74 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*
- 75 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).*
- 76 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.*
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LIST OF ABSTRACTS:

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