



MAHARSHI DAYANAND UNIVERSITY, ROHTAK
(Accredited A+ Grade by NAAC)

Name : Dr. (Mrs.) Ritu Yadav
Designation : Assistant Professor (Stage III)
Department : Genetics
University : M. D. University, Rohtak
Date of Birth : 26-02-1979
E-mail : ritugenetics@gmail.com



Corresponding Address : G-3, Department of Genetics, M. D. University,
: Rohtak-124001, Haryana (India)

Fields of specialization : **Human Genetics**
: **Cancer Epigenetics**

EDUCATION QUALIFICATIONS (Postgraduate onwards)

S. No.	Place	Degree	Year	Specialization
1.	M.D. University, Rohtak	M.Sc. (Zoology)	2002	Animal Sciences
2.	M.D. University, Rohtak	Ph.D. (Genetics)	2008	Human Genetics

POSITIONS HELD (Starting with most recent employment)

S.No.	Institution	Position	From	To
1.	M.D. University, Rohtak	Assistant Professor	3.05.2010	Contd.
2.	KVA, D.A.V. College, Karnal	Assistant Professor	8.07.2009	30.04.2010
3.	Forensic Science Laboratory, Madhuban, Karnal	Senior Scientific Assistant	14.06.2007	31.12.2008

TOTAL EXPERIENCE

- Post Graduate : **10 years**
- Total research Experience : **14 years**

PH.D. SUPERVISION SINCE 2013

1. **Dr. Preeti Chauhan:** Evaluation of ER-alpha gene (*ESR 1*) polymorphism in breast cancer patients (**Completed, 2018**).
2. **Ms. Lokesh Kumari:** Evaluation of Promoter Hypermethylation Of *Notch* And *Wnt* Signalling Pathways In Cervical Cancer Patients (**Submitted, 2020**).
3. **Mr. Shivkant:** A Cross-Sectional Study on Genetic Diversity of Y- Chromosomal STRs In Brahmin Population Of Haryana And Rajasthan, India (**Ongoing**).
4. **Ms. Chetna:** Evaluation of Altered Methylated Apoptotic genes and role in cervical pathogenesis (**Ongoing**).

RESEARCH PROJECTS/ UNDERTAKEN

S.No.	Title & type of projects	Status	Funding agency	Period	Grant received (INR)
1.	To study the use of biomarkers in breast cancer patients by immunohistochemistry	Completed	UGC	July 2011 to June, 2014	12,31,380/-

AWARDS AND DISTINCTIONS

- Awarded 1st Prize (Best Poster) in World Cancer Congress- on April 28-29, 2018, New Delhi.
- Rewarded 10000/- and letter appreciation (Commendation Certificate, Class-I) by the Director General of Police (Haryana) for extra ordinary work in the Forensic Science Laboratory, Madhuban (Karnal) in 2008.
- University Research Fellowship awarded by MDU for PhD in 2003-06 on the basis of merit of academic excellence.
- Scholarship awarded by MDU for higher education (Master's Degree) on the basis of merit of bachelor academic excellence in 2000-02.
- Certified for standing first in Zoology at B.Sc. level in Government College for Women (Rohtak) in 1999-2000.

RESEARCH JOURNAL PAPERS

(Peer-reviewed/UGC listed/Scopus/Clarivate Analytical Indexed/Web of Sciences)

1. Lokesh Kumari Kadian , Gulshan Gulshan , Parul Ahuja , Geetanjali Singhal , Shivkant Sharma , Smiti Nanda , **Ritu Yadav** (2020) Aberrant promoter methylation of NOTCH1 and NOTCH3 and its association with cervical cancer risk factors in North Indian population. American Journal of Translational Research, Vol. (6):2814-2826 ISSN: 1943-8141 **Impact factor-3.312**
2. Lokesh Kumari Kaidan, Gulshan Gulshan, Shivkant Sharma, Indu Kumari, Chhena, Smiti Nanda, **Ritu Yadav** (2020) A study on knowledge and awareness of cervical cancer among females of rural and urban areas of Haryana, North India. Journal of Cancer Education, Vol. 37(7) 9089 ISSN 0885-8195; DOI 10.1007/s13187-020-01712-6 **Impact factor-1.69.**
3. Preeti Chauhan, **Ritu Yadav**, Vivek Kaushal, Lokesh Kadian (2019) Evaluation of genetic polymorphism in estrogen receptor α gene as breast cancer risk. Biomedical research, Vol-30 (1): Page No. 72-77 ISSN: 0970-938X (Print) | 0976-1683 (Electronic) **Impact factor-0.2**
4. Lokesh Kumari Kaidan, Geetanjali Singal , Shivkant Sharma, Preeti Chauhan, Smiti Nanda, **Ritu Yadav** (2019) Incidence and association of HPV16 and 18 with various risk factors in cervical cancer patients in population of Haryana region, India Journal of clinical and diagnostic research, Vol-13(2):Page No. 10-13.ISSN No.- 0973709X.
5. Chauhan P, **Yadav R**, Kaushal V. (2017) Breast Cancer Risk Factors According to Menopausal Status. Online J Health Allied Scs. ,16 (2):3. ISSN 0972-5997.
6. Geetanjali Yadav, Minakshi Vashist, Rajiv Sen, **Ritu Yadav**, Nidhi Paliwal. (2017)Over expression in different types of ovarian cancer. IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBSVol. 12, Issue 4, PP 28-32) e-ISSN: 2278-3008, p-ISSN: 2319-7676. , DOI: 10.9790/3008-1204052832.
7. Shiksha Sharma, Minakshi Vashist, **Ritu Yadav**, Kirti Grow (2017) Higher Prevalence of Varicose Veins in Pregnant Women. IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB) Vol.3, Issue 4 ,PP 28-30 ISSN: 2455-264X,

8. Chauhan P, **Yadav R**, Kaushal V, Beniwal P (2016) Evaluation of serum biochemical profile of breast cancer patients. International Journal of Medical Research & Health Sciences Vol. 5(7)1-7. ISSN:2319-5886 **Impact factor: 0.18**
9. Chauhan P, **Yadav R**, Kaushal V, Beniwal P(2016) Prognostic significance of complete blood count in breast cancer patients. Indian Journal of Medical Research and Pharmaceutical Sciences, 3 (8) ISSN: ISSN: 2349-5340 DOI: 10.5281/zenodo.60328 **Impact Factor: 3.05**
10. **Ritu Yadav**, Rajeev Sen, Preeti Chauhan, (2016) Role of cytokeratin biomarkers in breast carcinoma. Asian journal of Pharmaceutical and clinical research ,9 (6) 293-296. ISSN: ISSN: 2455-3891 Print - 0974-2441 **Impact Factor: 0.48**
11. Minakshi Vashist, **Ritu Yadav**, Kirti Grow, Shiksha Sharma(2015) Epidemiology of delayed milestones in different level of intellectual disabilities European Journal of Pharmaceutical and Medical Research EJPMR,2(6), 229-233 ISSN 3294-3211 **SJIF impact factor 2.026**.
12. **Ritu Yadav**, Preeti Chauhan, Rajeev Sen, Minakshi Vashist (2015) Mammaglobin: As a diagnostic marker for Breast Cancer. International Journal of Recent Scientific Research JRSR 6(12), 7703-7706, ISSN: 0976-3031.
13. **Ritu Yadav**, Preeti Chauhan, Rajeev Sen, (2015) ER, PR, her2/neu status and relation to clinicopathological factors in breast carcinoma. International journal of Pharmacy and Pharmaceutical sciences. . Vol. 8 (4) 287-290 ISSN: 0975-1491. **Impact factor- 1.59**
14. **Ritu Yadav**, Vivek Kaushal, Preeti Chauhan, Minakshi Vashist (2015) Estrogen receptor α (ESR1) polymorphism and breast cancer. American Journal of Pharmtech Research. Vol5(1)113-136.ISSN:2289-3387 **Impact factor: 0.98**.
15. **Ritu Yadav**, Rajiv Sen, Preeti Chauhan (2015) Subtyping of Breast cancer (Er, Pr and Her2 expression) and their relation with clinicopathological parameters. Indian Journal of Public Health Research and Development (2015) vol.6 (1) Pg-207-212-ISSN-0976-0245 Online ISSN: 0976-5506, **DOI 10.5958/0976-5506.2015.00040.6**.
16. **Ritu Yadav**, Rajeev Sen, Preeti Chauhan (2013) Calculation of NPI score: Prognosis of breast cancer. Indian Journal of Public Health Research and Development , Vol.6 (2) Pg-199-202-ISSN-0976-0245 Online ISSN: 0976-5506, **DOI 10.5958/0976-5506.2015.00102.3**.
17. 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, (7), ISSN: 2278-3202. **Impact factor-0.37**
18. Kirti Grow, Minakshi Vashist, Pankaj Abrol, , Shiksha Sharma, **Ritu Yadav** (2014) ‘Beta thalassemia in india; current status and the challenges ahead’ .International journal of pharmacy and pharmaceutical sciences. . Vol.6 (4) ISSN: 0975-1491. **Impact factor- 1.59**.
19. **Ritu Yadav**, Preeti Chauhan, Sunil Kumar, Nutan Sharma, Ravita Deshwal (2013) Comparative evaluation of breast cancer evaluation in population of Haryana. International Journal of Science and Nature,, Vol.4 (4), 633-38, ISSN: 2229-6441.
20. Shiksha Sharma, Minakshi Vashist, Madan Gopal Vashist, Kirti Grow, **Ritu Yadav** (2013) Certain Profession of Working as Risk Factors for Varicose Veins. International organization of scientific research Journal of Pharmacy and Biological Sciences (IOSR-JPBS) Vol.7(5), 56-59. e-ISSN: 2278-3008, p-ISSN: 2319-7676.
21. 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):22-25. ISSN: 2250-3013, p-ISSN: 2319-4219, **ACP impact factor:1.44**
22. 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), 211-14. ISSN-0976-0245 Online ISSN: 0976-5506,

23. **Ritu Yadav**, Rajiv Sen, Preeti Chauhan (2012) Role of receptors in breast cancer". International journal of advanced biological research. 2(4):561-571. ISSN 2250 – 3579.
24. **R Yadav**, R Sen, P Chauhan and D Phougat (2012) Overview of Breast Carcinoma. International journal of basic and applied medical sciences. 2(2):196-207. ISSN: 2277-2103.
25. Minakshi Vashist, Neelkamal, **Ritu Yadav**, Amit Kumar, Shiksha Sharma and Radha Rathee (2012) Dermatoglyphics: A diagnostic tool in Trisomy-21. J. Appl. Biosci., **38 (2)**: 1-22.
26. Minakshi Vashist, **Ritu Yadav**, Shiksha Sharma, Kirti (2012) "Intellectual disability-Challenge for society" Biosciences, Biotechnology Research Asia, Vol. 9(2):735-745. ISSN:0973-1245
27. Minakshi Vashist, **Ritu Yadav** (2011) Study of Maternal Age, Family History of Mental Retardation, Consanguinity in Mental Retardation. Research Journal of Biology. Vol. 01, Issue 01. ISSN: 2231-6280.
28. Minakshi Vashist, **Ritu Yadav**, Neelkamal, Radha Rathee (2011) Dankmeijer's index (D.I.) in Mental retardation. Internet Journal of Biological anthropology. 4(2).ISSN:1939-4594.
29. Minakshi Vashist, Shivani Kachroo, **Ritu Yadav**. (2011) Epidemiology of Severe Mental Retardation. International Journal of Bioengineering, Neurosciences and Technology.1 (1): 32-36. ISSN: 2250-0952.
30. Minakshi Vashist, **Ritu Yadav**, Neelkamal, and Amit Kumar (2010). Axial triradius as a preliminary diagnostic tool in patients of Mental retardation. The internet journal of Biological Anthropology. 4(1). ISSN: 1939-4594.
31. Minakshi Vashist, **Ritu Yadav**, Kirti, Shivani Kachroo. (2010) Cytogenetic analysis of mentally retarded patients of Haryana. Journal of Cytology and Genetics. 11: 49-56. ISSN: 0253-7605.
32. Minakshi Vashist, **Ritu Yadav**, Neelkamal, Radha Rathee and Shiksha Sharma. (2010) Dermal patterns of Haryana Population. National Journal of Life Sciences.7 (1): 63-66. ISSN:2321-7960

PAPER IN CONFERENCE PROCEEDING

1. **Ritu Yadav** and Preeti Chauhan. (2013) "Evaluation of breast cancer awareness among young women". National Seminar "Promising Trends in Science Galaxy" (PTSG-2013) ISBN: 978-81-920945-3-3, Pp143-45.
2. 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.

SCIENCE MAGAZINE ARTICLES

1. **Ritu Yadav**, Rajvinder Singh, & Preeti Chauhan (2014) Electrophoresis: A new era in forensic science. Vol. XXII, Nos.7-9. Pg 26-28. July to Sept
2. Dr. Sahib Singh Chandna, **Dr. Ritu Yadav**, Priya chaudhary (2013) .Methods to combat harmful bacteria invading in serological and biological divisions of forensic establishments. CBI Bulletins Vol. XXI, Nos.1-3
3. Dr. Sahib Singh Chandna, **Dr. Ritu Yadav**, Priya chaudhary (2011) Scientific Aid-A Breakthrough in investigation .CBI Bulletins Vol XIX Nos.7-9.

PARTICIPATION IN CONFERENCES/SEMINAR

1. Attended one day National workshop on '**Intellectual property Right protection**' organized by Dept. Of Genetics, M. D. University, Rohtak, on 03 November, 2018.
2. Attended one day National conference cum Awareness Programme on '**Protection of intellectual property rights-Need of the Hour**' organized by Dept. of pharmaceutical sciences, M. D. University, Rohtak, on 10 May, 2018.
3. Attended one day **National conference** cum workshop on 'Emerging infectious Diseases' **organized** by Centre for Biotechnology M. D. University, Rohtak, on 29 November, 2017.

4. Attended one day **workshop** on 'Climate Change and Sustainable Development' **organized** by Dept. of Environmental sciences M. D. University, Rohtak, on 24 November, 2017.
5. Attended one day **workshop** on 'DNA Forensics –The Brouhaha of the science' organized by Dept. of Genetics M. D. University, Rohtak, on 21 November, 2017.
6. Attended one day National workshop on '**Bioethics in research: A need or compulsion**' organized by Dept. Of Genetics, M. D. University, Rohtak, on 15 November, 2018.
7. Member in **National conference** 'Emerging trends in Biochemistry' organized by Deptt. Of Biochemistry on 15-16th Sept., 2017, M. D. University, Rohtak
8. Attended one day **workshop** on 'Coping Health Issues' organized by Women's Studies Center & M. D. University, Rohtak, on Feb. 23, 2017.
9. Attended one day conference cum **workshop** on 'Skill development in molecular techniques' organized by Dept. Of Genetics & M. D. University, Rohtak, on 12 November, 2016.
10. Attended one day National **seminar** cum workshop on 'Animal Ethics and Experimentation' organized by Central Animal House & M. D. University, Rohtak, on 22 October, 2016.
11. Attended **workshop** on '**Molecular Diagnostics**' in 12th International Conference of the Asian clinical oncology society, Cancer in Asia: Bridging the Gaps held on 8th -10th April 2016, at New Delhi.
12. Attended **workshop** on '**Leadership in Oncology**' in 12th International Conference of the Asian clinical oncology society, Cancer in Asia: Bridging the Gaps held on 8th -10th April 2016, at New Delhi.
13. Attended **workshop** on '**Medical Statistics**' in 12th International Conference of the Asian clinical oncology society, Cancer in Asia: Bridging the Gaps held on 8th -10th April 2016, at New Delhi.
14. Attended one day **workshop** on 'Women Visibility and Space' organized by Women's Studies Center & M. D. University, Rohtak, on February 11, 2016.
15. Attended one day **workshop** on 'Author workshop' organized by Springer & M. D. University, Rohtak, on February 25, 2015.
16. Attended **International research colloquium** on 'Interdisciplinary scope of Microbiology: Present status and future directions (IRCISM-2015)' organized by Department of Microbiology, M.D. University, Rohtak, January 31, 2015.
17. Attended **seminar** on 'Convergence of biotechnology & engineering for industry (CBEI-2014)' organized by Department of Biotechnology, University institute of Engg. & Tech., M.D. University, Rohtak, November.26, 2014.
18. Attended **National Seminar** on "Molecular Techniques –The face of Modern sciences organized by Department of Biochemistry, M.D University Rohtak on 24 October 2011.
19. Attended **National Seminar** on "Microbes and Resource management organized by association of microbiologists of India–Rohtak Unit, M.D University Rohtak on 22 October 2011.
20. Attended **seminar** on 'Intellectual property creation and protection' organized by Department of Microbiology , M.D University Rohtak from 23 April 2011.
21. Attended **India-Japan seminar** on "Nanomaterials for Diagnostics and therapeutics" organized by Department of Biochemistry, M.D University Rohtak on 30 October 2010.
22. Attended **Colloquium** on "Microbial technology and its Human benefits " held on 7th August 2010, M.D University Rohtak.
23. Attended **National workshop** on Bioinformatics organized by Department of Biotechnology, M.D University Rohtak from 14-16 September 2010.
24. Attended **International conference** on changing environmental trends and sustainable developmental organized by department of environmental Science & Engineering Guru Jambheshwar University of Science & Technology , Hisar from 9-11 February,2009.
25. Attended **workshop** on Recent Trends in Nanotechnology held at Department on Engineering and technology, MDU, Rohtak on March 27, 2007.
26. Attended **workshop** on patent awareness organized by PIC, Hisar in collaboration with TIFAC, New Delhi & Biosciences Deptt. MDU Rohtak on December 30, 2005 at M DU, Rohtak.

27. Attended **National workshop** on towards facing challenges of the mentally challenged their achievement and its alleviation from February 12-13, 2005.

PAPER PRESENTED IN CONFERENCE/SEMINAR

1. Oral Presentation on '**Molecular Screening of HPV in Cervical Cancer Patients: A Hospital based Study**' in International Conference on 'Innovative Research in Bioscience, Bioinformatics, Biomedical Engineering, Cancer Biology and Applied Biotechnology' Organised by Krishi Sanskriti, JNU New Delhi June 15, 2019.
2. Poster presentation on '**Climate change and human health**' in international Seminar on Sustainable environment & agriculture under global climate change organised by Department of Environmental Science, M.D. University, Rohtak on February 21, 2019.
3. Poster presentation on '**Genetic Polymorphism in ESR1 gene as Breast Cancer Risk**' in World Cancer Congress- on April 28-29, 2018, New Delhi.
4. Poster presentation on '**Climate change and allergies**' in international conference on sustainable agriculture, energy, environment and technology (icsaeet-2018)" jointly organized by the MDU, Rohtak and Society for Sustainable Agriculture & Resource Management (SSARM) on February 24-25, 2018.
5. Poster presentation on '**Suitability Of Polymerase Chain Reaction Methods For Forensic Investigation**' in National Seminar 'Current Scenario In Forensic Investigative Techniques' organized by Department of Genetics, M.D University Rohtak, September 07, 2017.(DDE Hall, MDU, Rohtak).
6. Poster presentation on '**A new era of modern science: Pharmagenomics/Pharmacogenetics**' in National Conference 'Genetic diversity and therapeutic potential of Natural Products organized by Department of Genetics, M.D University Rohtak, September 17, 2016.(R.K Auditorium, MDU, Rohtak).
7. Poster presentation on '**Role of Mammaglobin as Diagnostic Marker for Breast Cancer**' in 12th International Conference of the Asian clinical oncology society, Cancer in Asia: Bridging the Gaps held on 8th -10th April 2016, at New Delhi.
8. Poster presentation on '**Breast Carcinoma: An Overview**' in National Conference 'Therapeutic Potential of Natural Products : Current Innovations &Future Trends' organized by Department of Genetics, M.D University Rohtak, 21February, 2015.
9. Poster presentation on '**Role of estrogen receptor status and clinic-pathological factors in breast carcinoma**' in National Seminar' Innovative researches in Life sciences' organized by Department Zoology, M.D University Rohtak, 21February, 2015.
10. Poster presentation on "**Immunohistochemical assay on breast cancer**" in International Conference on gene, genetics & genomics: Today & Tomorrow-Human concern and XXXVII Annual Conference of The Indian Society of Human Genetics organized by Department of chemistry , M.D University Rohtak from 2-4 November 2011.
11. Poster presentation on '**Thermodynamics of Cancer**' in 6th National conference on thermodynamics of chemical and biological systems organized by Department of chemistry , M.D University Rohtak from 2-4 November 2011.
12. Poster presentation on **Internet: Applications in Research** in National Seminar organized by Department of Environmental sciences, M.D University Rohtak 26 March, 2011.
13. Oral presentation on topic "**Interaction of environmental factors and cancer**" in National conference on 'Environmental and Health issues: In a changing climatic Scenario' organized by Department of Environmental sciences, M.D University Rohtak from 14-15 October 2010.

TRAINING PROGRAMS:

- Attended three days training course on Real Time PCR held in Applied Biosystem, Gurgaon on 3-5th August 2011.
- Attended Short term training course in the department of Anatomy from 1st to 15th July, 2006 held at All India Institute of Medical sciences (AIIMS) New Delhi
- Attended training course on “DNA Based Diagnostics” organized by Animal Biotechnology CCS, Haryana HAU, from 7th to 28th Feb, 2006.
- Attended training in “Livestock Genome Analysis Laboratory” at NDRI Karnal from 2nd March to 30th April 2005.