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I. Area of Interest

- Molecular Pathology
- Molecular Diagnostics
- Cancer genetics and epigenetics

II. Academic Qualification

- Datta Meghe Institute of Medical Sciences, Nagpur, India. **PhD (Pathology)**. (2014-2017).
- Jawaharlal Nehru Medical College, Sawangi. Wardha, India. **M.D.(Pathology)**. (2009 -2012).
- Govt. Medical College Nagpur, India. **M.B.,B.S.** 2002.

III. Professional Positions

Current (Feb 2020 – till date)	Associate Professor, Department of Pathology	Government Institute of Medical Sciences, Greater Noida, India
Jan 2018 – Jan 2020	Head of Molecular Biology and Epidemiology Laboratory	Datta Meghe Institute of Medical Sciences University, Wardha, India
Jan 2017 – Feb 2020	Associate Professor, Department of Pathology	Jawaharlal Nehru Medical College, Wardha, India.
Aug 2014-Dec 2016	Assistant Professor, Department of Pathology	Jawaharlal Nehru Medical College, Wardha, India.
Oct 2012-Aug 2014	Lecturer, Department of Pathology	UP Rural Institute of Medical Science and Research, Saifai, India

IV. Awards, Distinctions and Fellowships

2021	Outstanding Researcher in Pathology, 4th Venus International Healthcare Awards – VIHA 2021
2020	Registration support for virtual AMP 2020, Association for Molecular Pathology, USA
2019	International membership grant award for Association for Molecular Pathology, USA
2016	Young Investigator Award from India & South East Asia by Bill & MeLinda Gates Foundation, USA
2015	Grant International Society of Infectious Diseases, USA for Molecular Diagnosis of clinically suspected and unsuspected lymph node tuberculosis (7000 \$ US)
2013	Indian Council of Medical Research Travel Grant fellowship for 18 th International Congress of Cytology, Paris, France
2010	International award for Best Poster in XXXIst International Congress of the International Society of Blood Transfusion, Berlin, Germany
2010	Dr. Harold Gunson Fellowship, Berlin, Germany

V. Professional Activities

- Member Association for Molecular Pathology, USA
- Member Molecular Pathology Association of India, India
- Member American Association for Cancer Research, USA
- Member International Society of Infectious Diseases, USA
- Member EpiCore, USA
- Life Member of Molecular Pathology Association of India, India
- Life Member of Indian Association of Cytology, India
- Life member of Indian Medical Association, India
- Organizing Secretary of National CME on 'Molecular Diagnostics for Disease Insight' 2019 funded by DST, Govt. of India
- Peer Reviewer for Academic Journals: Cytopathology, Journal of Pediatric infectious diseases, Indian Journal of Medical Research

VI. Research and Writing

Research Projects

1. *Title:* Assessment of Clinically Suspected and Unsuspected Tubercular Lymphadenopathy by PCR Compared to Non Molecular Methods in Lymph node Aspirates. Status: Completed. *Funding Agency:* International Society of Infectious Disease, USA. Role Principal Investigator
2. *Title:* DNA methylation at promoters of breast cancer genes and its correlation with Pathological prognostic staging in breast cancer. Status: Completed. Role Principal Investigator
3. *Title:* Application of multiplex PCR to detect intestinal parasitic infections in antenatal anemia. *Funding Agency:* Public Health Foundation of India and Department of Science and Technology, India. Co-Investigator Status: Completed.
4. *Title:* Prevalence, risk factors and laboratory diagnosis of non tuberculous mycobacterial (NTM) disease in India. Multi-centric project Major, ICMR. Role Co-Investigator
6. *Title:* Combined Digital Surveillance and Effective COVID19 Testing Frameworks and Tools
Subtitle: Identifying Prognostic markers in CoVID 19 patients. *Funding Agency:* CSIR, India Role Principal Investigator. Status: Ongoing
7. *Title:* Evaluation of Rapid Antigen Test (Lateral flow assay): *Funding Agency:* ICMR. Role Principal Investigator Role. Status: Ongoing

Grant Utilized in research (Foreign) USD 7000 \$, (Indian) INR 5000000/-

Report:

International Society of Infectious Diseases Research grant report. ISID News July 2017.

Research Publications (Indexed in Scopus, PubMed, Web of science)

1. **Vivek Gupta**, Prerna Agarwal, Sunita Vagha. Triple Positive breast cancer: A case series. European Journal of Molecular & Clinical Medicine. 2021;08(04): 600-607.

2. **Gupta V.**, Agarwal P., Deshpande P. Impact of RASSF1A gene methylation on clinico-pathological features of tumor and non-tumor tissue of breast cancer. *Annals of Diagnostic Pathology*. 2021;52(151722): 1-5. DOI: 10.1016/j.anndiagpath.2021.151722. PMID: 33621744
3. Rahul C Bhoyar, Abhinav Jain, Pawan Singh, Vipin Kumar, Blessy Jose, Vidur Mahajan, **Vivek Gupta**, Rakesh Gupta, Vinod Scaria, Sridhar Sivasubbu. High throughput detection and genetic epidemiology of SARS-CoV-2 using COVIDSeq next-generation sequencing. *PLOS ONE*. 2021 Feb 17;16(2):e0247115 PMID: 33596239. PMCID: PMC7888613. DOI: 10.1371/journal.pone.0247115
4. **Vivek Gupta**, Rahul C. Bhoyar, Abhinav Jain, Saurabh Srivastava, Rashmi Upadhayay, Mohamed Imran. Asymptomatic reinfection in two healthcare workers from India with genetically distinct SARS-CoV-2. *Clinical Infectious Diseases*. PMID: 32964927. PMCID: PMC7543380 DOI: 10.1093/cid/ciaa1451/5910388
5. Anurag Srivastava, Manickavasagam Rengaraju, Saurabh Srivastava, Vimal Narayan, **Vivek Gupta** and Rashmi Upadhayay. A double blinded placebo controlled comparative clinical trial to evaluate the effectiveness of Siddha medicines, Kaba Sura Kudineer (KSK) & Nilavembu Kudineer (NVK) along with standard Allopathy treatment in the management of symptomatic COVID 19 patients - a structured summary of a study protocol for a randomized controlled trial. *BMC Trials*. (2021) 22:130
6. Sheronica Laishram, **Vivek Gupta**, Arvind Bhake, Akanksha Wankhede, Deepika Agrawal. To Assess the Utility of Proliferative Marker Ki-67 in Surface Epithelial Ovarian Tumor. *JDMIMS*. 2019;14(1):6-10. Doi: 10.4103/jdmimsu.jdmimsu_71_18
7. Wankhede, R., **Gupta, V.**, Belsare, A. Role of Ki 67 in pathological prognostic staging of breast cancer. *International Journal of Pharmaceutical Research*. 2019, 11(3), pp. 1469–1473
8. Agrawal D, **Gupta V**, Bhake A, Laisharm S, Wankhede A. Comparative Analysis Of Two Method Of Enumeration Of Platelet Count In Thrombocytopenic Patient: Manual And Electrical Impedance. *International Journal Of Scientific Research*. 2019: 8(5); 2277 - 8179
9. Deshpande P, **Gupta V**, Bhake A. Methylation pattern of Retrotransposons: Biomarker for human cancer. *JDMIMS*. 2018;13:66-70. Doi: 10.4103/jdmimsu.jdmimsu_3_18
10. **Gupta V**, Bhake A. Reactive Lymphoid Hyperplasia or Tubercular Lymphadenitis: Can Real-Time PCR on Fine-Needle Aspirates Help Physicians in Concluding the Diagnosis? *Acta Cytol*. 2018;62(3):204-208. doi: 10.1159/000488871. Epub 2018 May 15. PubMed PMID: 29763927.
11. **Gupta V**, Bhake A. Assessment of Clinically Suspected Tubercular Lymphadenopathy by Real Time PCR Compared to Non-Molecular Methods on Lymph Node Aspirates. *Acta Cytol*. 2018;62(1):4-11. doi: 10.1159/000480064. Epub 2017 Sep 26. PubMed PMID: 28946148.
12. **Gupta V**, Bhake A. Molecular Diagnosis of Tubercular Lymphadenopathy from Fine-Needle Aspirates in Pediatric Patients. *Acta Cytol*. 2017;61(3):173-178. doi: 10.1159/000475832. Epub 2017 May 20. PubMed PMID: 28528339.
13. **Gupta V**, Bhake A. Clinical and cytological features in diagnosis of peripheral tubercular lymphadenitis - A hospital-based study from central India. *Indian J Tuberc*. 2017 Oct;64(4):309-313. doi: 10.1016/j.ijt.2016.11.032. Epub 2017 Feb 13. PubMed PMID: 28941854

14. **Gupta V**, Bhake A. Diagnosis of clinically suspected and unsuspected tubercular lymphadenopathy by cytology, culture, and smear microscopy. Indian J Tuberc. 2017 Oct;64(4):314-317. doi:10.1016/j.ijtb.2016.11.014. Epub 2017 Feb 13. PubMed PMID: 28941855.
15. **Gupta V**. Better thyroid cytopathology reporting and interpretation using different classification systems. Thyroid Research and Practice. 2016 September 01; 13(3):110
16. **Gupta V**. Molecular biology technique combined with Fine needle aspiration cytology revealing the diagnostic dilemma in tubercular lymphadenitis cases. International Journal of Infectious Diseases. 2016 April 01; 45:152
17. **Gupta V**. Pattern and frequency of thyroid pathologies among thyroid cytology specimen in rural part of central India: A retrospective secondary data analysis. Thyroid research and Practice. 2015; 12(3):93-95
18. Dipsha Kriplani, **Vivek Gupta**, N. Samal, Arvind Bhake. Correlation of glycosylated hemoglobin with microalbuminuria to predict renal damage in diabetic patients. Int J Res Med Sci. 2015 Aug;3(8):2014-19
19. **Gupta V**. Assessment of red blood cell parameters and peripheral smear at different temperatures in case of cold agglutination disease. Ann Med Health Sci Res. 2014 Mar;4(Suppl 1):S25-8. doi: 10.4103/2141-9248.131703. PubMed PMID: 25031901; PubMed Central PMCID: PMC4083734.
20. Vineet Chaturvedi, Seema Dayal, Dhiraj Srivastav, **Vivek Gupta**, Anju Chandra. Pattern and frequency of uterine pathologies among hysterectomy specimen in rural population of northern India: a retrospective secondary data analysis. Indian Journal of Community Health. 2014. 26;103–106.
21. Singh D, **Gupta V**, Acharya S, S.N.Mahajan. A Case Of Plasmodium Vivax Malaria Associated With Severe Autoimmune Hemolytic Anaemia. Annals of Tropical Medicine and Public Health. 2012;5(2):133-136. March- April 2012.
22. **Vivek Gupta**, Kishore M Hiwale, Sunita J Vagha. Ectopic Lingual thyroid: A Rare Presentation. The Antiseptic. 2011;108(12):579-580.

Abstract Publications (Indexed Journals)

- **Gupta V**, Bhake A, Zahiruddin Q. Can Real time PCR help in diagnosis of Neglected tropical diseases? The Journal of Molecular Diagnostics. **2019**;21(6): ID 005
- **Gupta V**, Deshpande P, Bhake A. DNA Methylation and Its Correlation with Breast Cancer Pathological Prognostic Staging. The Journal of Molecular Diagnostics. **2019**;21(3): S18
- **Gupta V**, Deshpande P, Zahiruddin Q, Giadhane A. Application of a Multiplex PCR to Detect Intestinal Parasite Infections in Antenatal Anemia. The Journal of Molecular Diagnostics. **2019**;21(3): S9
- **Vivek Gupta**, Kishore M Hiwale. Oral Lesions: A Comparative Study Of Cytology And Histopathology In Rural Population Of India. Acta Cytologica, Volume 57(1), Issue Supplement 1-116, P -224, **2013**
- **Vivek Gupta**, Kishore M Hiwale, Arvind Bhake. Cytopathological Criteria of Oral Carcinoma: A study in Rural Population of India. Acta Cytologica, Volume 57(1), Issue Supplement 1-116, P -233, **2013**
- **Gupta V**, Vagha SJ. Seroprevalence of Hepatitis C Virus Among Healthy Blood Donors In Rural Population Of India. Vox Sanguinis. Volume 101, Issue Supplement S1, P – 333, July **2011**.

- **Gupta V**, Vagha SJ. Blood Donor Deferral Causes: A Comparative Study in Developing and Developed Countries. Vox Sanguinis. Volume 101, Issue Supplement S1, P- 077, July **2011**.
- **Gupta V**, Vagha SJ, Meshram N. Social Marketing Of Voluntary Blood Donation In Rural Set Up Of India. Vox Sanguinis. Volume 99, Issue Supplement S1, Pages 1–541, July **2010**.
- **Gupta V**, Vagha SJ. Pre Donation Blood Donor Deferral: A Perspective In Rural Population Of India. Vox Sanguinis. Volume 99, Issue Supplement S1, Pages 1–541, July **2010**.

Conference Presentations

- Epigenetics: Understanding the role of DNA methylation in cancer progression, MPAA Annual Conference, Mumbai, India 2019.
- Molecular Diagnostics in Personalized Medicine. World Congress on Genetics Genomics and Personalized Medicine. Indian Institute of Sciences, Bangalore, India 2017.
- Molecular biology techniques combined with fine needle aspiration cytology revealing the diagnostic dilemma in tubercular lymphadenitis in 17th International Congress of Infectious Diseases, Hyderabad, India. March 2016.
- Interpretation of Thyroid cytology using different classification systems. International Conference of Cytology, Goa, India. Feb 2014
- “Oral Lesions: A Comparative Study Of Cytology And Histopathology In Rural Population Of India” and “Cytopathological Criteria of Oral Carcinoma: A study in Rural Population of India”. 18th International Congress of Cytology, Paris, France: May 26th – 30th May 2013.
- “Donor deferral: A Comparative study in Developing and Developed Countries” and “Scrape Cytology: Role in diagnosis of various oral lesions”. MAPCON 2010 State Conference of Maharashtra Association of Pathologist and Microbiologist. Nagpur, India. September 2010.
- “Social Marketing of Voluntary Blood Donation in Rural Set Up of India” and “Pre Donation Blood Donor Deferral: A perspective in Rural Population of India” XXXIst International Congress of the International Society of Blood Transfusion, Berlin, Germany 2010.
- TRANSCON09, 34th National Conference of Indian Society of Blood Transfusion and Immunohematology November 20 – 22, 2009, All India Institute of Medical Sciences.
- “Pattern of Benign Breast Disease and their presentation in patients attending Pathology Dept for Fine Needle Aspiration Cytology”. Annual conference of UP & Uttarakhand Chapter of Indian Association of Preventive and Social Medicine December 1st – 2nd 2007.

VII. CONFERENCES, CME's, WORKSHOP ATTENDED

- Panelist: Hemovigilance discussion. CME on Hemovigilance 2021. Government Institute of Medical Sciences.
- National Symposium on Genetics and genomics in human health and diseases, MGIMS, Sevagram, Wardha 2018.

- Exome Sequence Analysis and Interpretation for Clinicians, Madras Medical Mission, Chennai 2018.
- World Congress on Genetics Genomics and Personalized Medicine. Indian Institute of Sciences, Bangalore, India 2017
- 17th International Congress of Infectious Diseases, Hyderabad 2nd – 5th March 2016.
- CME on NABL Accreditation of Hospital Laboratory: 12th January 2016, JNMC, Wardha.
- CME on Endometrial Pathology: 8th November 2014, JNMC, Wardha.
- International CME in Pathology- Histopathology and Cytopathology 27th Feb - 1st March 2014.
- 18th International Congress of Cytology May 2013, Paris France.
- MAPCON 2010, Sept 10 – 31st Maharashtra State Regional conference of Indian Association of Pathologist and Microbiologist.
- XXXIst International Congress of ISBT and DGTI July 2010. International Society of Blood Transfusion, Berlin, Germany.
- UPMICRON 09, Feb 09 – UP Rural Institute of Medical Sciences and Research, Saifai, Etawah.
- “Seminars in Pathology 2007” Christian Medical College Ludhiana in collaboration with association of Clinical Pathologist, U.K. & Medical council of India. October 2007.
- CME on Fluid Analysis Feb 2012. DMIMS, JNMC, Sawangi, Wardha.
- Symposium on Dermatopathology Feb 2011. DMIMS, JNMC, Sawangi, Wardha.
- Lab Approach for Diagnosis of parasitological Diseases Jan 2011. DMIMS, JNMC, Sawangi, Wardha.
- CME on Transfusion Medicine, October 2009 and March 2010. DMIMS, JNMC, Sawangi, Wardha.
- Workshop on Autopsy techniques August 2011. Jawaharlal Nehru Medical College, Sawangi, Wardha.
- Workshop on Immunohistochemistry April 2011. NKP Salve Institute of Medical Science and Research Center, Nagpur.
- Workshop on Cervical Cytology March 2011. Vidarbha Association of Pathologist & Microbiologist.

VIII. TEACHING ACTIVITIES

- Postgraduate guide, Postgraduate teacher, Undergraduate teacher
- External examiner for Undergraduate exams
- Teaching molecular techniques of PCR to students and research assistants.
- College/university paper setter and validator for postgraduate and undergraduate exams.
- Lectures, seminars practical clinics and tutorials on molecular techniques and pathology,
- Development of LRM/soft skills etc, Development of teaching learning program and conducting workshop/PGOC/UG orientation program.

IX. Hospital and Clinicopathological Activities

- Reporting of molecular pathology investigations on patients tissue, aspirates or blood samples for tuberculosis, parasitic infections and cancer diagnosis
- Reporting of Immunohistochemistry for tumor markers on patients tissue specimens
- Quality control of laboratory
- Routine reporting of cytopathology and special investigation of haematology.

X. EXTRACURRICULAR ACHIEVEMENTS

- Secured first position in Volley Ball in Pyrexia-2000, The Vidarbha Intermedicos Sports Meet.
- Development of website for social awareness of extra-pulmonary tuberculosis <http://tbintlresearch.in/> January 2016.

XI. PERSONAL INFORMATION

- Nationality: Indian
- Marital Status: Married (Wife Dr. Prerna Agarwal, Assistant Professor, Dept of Physiology, GIMS, Greater Noida)
- Date of Birth : 1st July 1978.