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## Area of Interest

- **Precision Medicine**
  - **Molecular Biology**
  - **Genetics**
  - **Cancer Biology**
  - **Microbiology**
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### Publications:

1. Verma S, Verma S, Khan FH, Siddiqi Z, Raza ST, **Abbas M**, Mahdi F. Genetic polymorphisms of IL6 gene–174G> C and–597G> A are associated with the risk of COVID-19 severity. *International Journal of Immunogenetics*. 2022 Nov 2.
2. Rizvi S, Rizvi SM, Raza ST, **Abbas M**, Fatima K, Zaidi ZH, Mahdi F. Implication of single nucleotide polymorphisms in Interleukin-10 gene (rs1800896 and rs1800872) with severity of COVID-19. *Egyptian Journal of Medical Human Genetics*. 2022 Dec;23(1):1-8.
3. Khan A, **Abbas M**, Verma S, Verma S, Rizvi AA, Haider F, Raza ST, Mahdi F. Genetic Variants and Drug Efficacy in Tuberculosis: A Step toward Personalized Therapy. *Glob Med Genet*. 2022 Feb 25;9(2):90-96. doi: 10.1055/s-0042-1743567. PMID: 357077.
4. **Abbas M**, Kushwaha VS, Srivastava K, Banerjee M. Understanding Role of DNARepair and Cytochrome p-450 Gene Polymorphisms in Cervical Cancer Patient Treated with Concomitant Chemoradiation. *Br J Biomed Sci*, 24 February 2022: doi: 10.3389/bjbs.2021.10120.
5. Rizvi AA, **Abbas M**, Verma S, Verma Shrikant, Khan A, Raza ST, Mahdi F. Determinants in Tailoring ntidiabetic Therapies: A Personalized Approach. *Glob Med Genet*. 2022;DOI: 10.1055/s-0041-1741109.
6. Verma S, **Abbas M**, Verma S, Rizvi A, Khan A, Raza ST, Mahdi F. Risk of mucormycosis in Covid-19 patients: A review *Era J. Med. Res.* 2021; 8(2).
7. **Abbas M**, Verma S, Verma S, Siddiqui S, Khan FH, Raza ST, Siddiqi Z, Eba A, Mahdi F. Association of GSTM1 and GSTT1 gene polymorphisms with COVID-19 susceptibility and its outcome. *Journal of Medical Virology*. 2021;93(9):5446-5451.
8. Verma S, **Abbas M**, Verma S, Khan FH, Raza ST, Siddiqi Z, Ahmad I, Mahdi F. Impact of I/D polymorphism of angiotensin-converting enzyme 1 (ACE1) gene on the severity of COVID-19 patients. *Infection, Genetics and Evolution*. 2021 Jul 1;91:104801
9. Siddiqui S, Zia Q, **Abbas M**, Verma S, Jafri A, Misra D, Luqman S, Ahamed M, Ahmad MS, Arshad M. Antiproliferative Activity of *Cissus quadrangularis* L. Extract Against Human Cervical Cancer Cells: In Vitro and In Silico Analysis. *Anticancer Agents Med Chem*. 2021;21(18):2536-2545. doi: 10.2174/1871520621666210210103729.
10. Verma S., **Abbas M.**, Verma S., Raza S.T., Mahdi F. The 2019 Novel Pandemic of Coronavirus Disease (COVID-19): A Study of Existing Evidence In The Indian Population. *Era J. Med. Res.* 2020; 7(2): 1-6.
11. Verma S, **Abbas M**, Verma S, Abbas Rizvi A, Khan A, Tasleem Raza S, Mahdi F. A perspective of precision medicine in the management of COVID-19. *Novel Research in*

- Microbiology Journal. 2021 Aug 1;5(4):1313-24.
12. Verma S, **Abbas M**, Verma S, Rizvi A, Khan A, Raza ST, Mahdi F. Effectiveness of Blood pressure and body temperature screening for severity in COVID-19 patients. *Journal of Microbiology and infectious diseases. JMID*; 2021; 11 (3):147-151.
  13. **Abbas M**, Mehdi A, Khan PR, Verma S, Ahmad A, Khatoun F, Raza ST, Afreen PR, Glynn SL. Role of miRNAs in cervical cancer: A comprehensive novel approach from pathogenesis to therapy. *Journal of Gynecology Obstetrics and Human Reproduction*. 2021 May 7:102159.
  14. Verma S., Verma S., **Abbas M**, Rizvi A. A., Khan A., Raza S. T., Mahdi F. Role of Personalized Medicine in Thyroid Cancer: Latest Aspects. *Era J. Med. Res.* 2021; 8(1): 1-6
  15. Sushma Verma, Saliha Rizvi, **Mohd Abbas**, Tasleem Raza, Farzana Mahdi. Personalized medicine- future of diagnosis and management of T2DM. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 2019: 13:2425-2430.
  16. **Abbas M**, Srivastava K, Imran M, Banerjee M. Genetic polymorphisms in DNA repair genes and their association with cervical cancer. *Br J Biomed Sci.* 2019 Jul;76(3):117-121. doi: 10.1080/09674845.2019.1592884. Epub 2019 May 8. PMID: 30870085.
  17. Khan MA, Rahman H, Raza ST, **Abbas M**, Rizvi S. A Comparative Study between Ancient Unani method with the Modern Laboratory-based Method of Urinalysis. *The Canadian Journal of Clinical Nutrition* 2019;7: 67-77.
  18. Khan MA, Rahman H, Raza ST, **Abbas M**, Singh SP. The Use of Ancient Unani Method and the Modern Laboratory-based Method of Stool Analysis in Chronic Liver Disease Patients: A Comparative Study. *The Canadian Journal of Clinical Nutrition* 2019;7: 89-99.
  19. Eba A, Raza ST, **Abbas M**, Rizvi S, Rajput M, Mahdi F. Association of SDF1 $\beta$  (G801A) and GNB3 (C825T) polymorphisms with the incidence and severity of coronary artery disease. *Br J Biomed Sci.* 2019 Jan;76(1):49-51. doi: 10.1080/09674845.2018.1527802. Epub 2018 Nov 5. PMID: 30253706.
  20. **Abbas M**, Kushwaha VS, Srivastava K, Raza ST, Banerjee M. Impact of GSTM1, GSTT1 and GSTP1 genes polymorphisms on clinical toxicities and response to concomitant chemoradiotherapy in cervical cancer. *Br J Biomed Sci.* 2018 Oct;75(4):169-174. doi: 10.1080/09674845.2018.1482734. Epub 2018 Aug 17. PMID: 29909733.
  21. **Abbas M**, Kushwaha VS, Srivastava K, Banerjee M. Glutathione S-Transferase Gene Polymorphisms and Treatment Outcome in Cervical Cancer Patients under Concomitant Chemoradiation. *PLoS One.* 2015 Nov 16;10(11):e0142501. doi: 10.1371/journal.pone.0142501. PMID: 26571237; PMCID: PMC4646353.
  22. **Abbas M**, Srivastava K, Imran M, Banerjee M. Association of CYP1A1 gene variants rs4646903 (T>C) and rs1048943 (A>G) with cervical cancer in a North Indian population. *Eur J Obstet Gynecol Reprod Biol.* 2014 May;176:68-74. doi: 10.1016/j.ejogrb.2014.02.036. Epub 2014 Mar 4. PMID: 24657182.
  23. Ambreen K, Sharma R, Singh KP, **Abbas M**, Kumar S. Association of GSTM1, GSTT1 and CYP2E1 Gene Polymorphisms with Antituberculosis Drug Induced Hepatotoxicity in North Indian Population. *International Journal of Health Sciences and Research* 2014;4(2):149-160.

24. **Abbas M**, Srivastava K, Imran M, Banerjee M. Association of Glutathione S-transferase (GSTM1, GSTT1 and GSTP1) polymorphisms and passive smoking in cervical cancer cases from North India. *International Journal of Biomedical Research* 2013;04(12):655-662.
25. Verma S, Sagar N, Vats P, Shukla KN, **Abbas M**, Banerjee M. Antioxidant enzyme levels as markers for type 2 diabetes mellitus. *International Journal of Bioassays* 2013;02(04):685-690.

**Book Chapters:**

1. Shrikant Verma, **Mohammad Abbas**, Sushma Verma and Farzana Mahdi. Impact of COVID-19 on environment. *Trends in environmental biology*. Kripa-Drishti Publication. ISBN:978-93-90847-55-6, Page No. 111-118.
2. Shrikant Verma, **Mohammad Abbas**, Sushma Verma and Farzana Mahdi. Impact of the COVID-19 pandemic on tuberculosis management. *Impact and response (X)*. Bhumi Publishing. ISBN: 978-93-91768-46-1. Page no. 209-218.
3. **Mohammad Abbas**, Kirti Srivastava and Monisha Banerjee. Role of Oxidative Stress and Antioxidant in Cervical Cancer Patients: A mini review. *Alfa Publication (Molecular Biology)*. ISBN: 978-93-82302-44-5; 2013, Page No. 178-182.
4. Shrikant Verma, **Mohammad Abbas**, Sushma Verma and Farzana Mahdi. Post-COVID complications in COVID-19 patients. *Impact and response (XII)*. Bhumi Publishing. ISBN: 978-93-91768-95-9. Page no. 29-41.