

Research Interests

- Pharmacogenetics and Epigenetics of Type 2 Diabetes
- Predictive and diagnostic biomarkers of Type 2 Diabetes
- Pharmacogenetics of Glaucoma
- Pharmacogenetics of Cancer

Publications

a) Research Articles:

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 AA, Abbas M, **Verma S**, Verma S, Khan A, Raza ST, Mahdi F. Determinants in Tailoring Antidiabetic Therapies: A Personalized Approach. Global Medical Genetics. 2022 Jan 21.
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. Global Medical Genetics. 2022 Feb 25.
4. **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.
5. **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.2021.
6. 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. **(IF-20.3)**
7. **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. **(IF-4.3)**
8. Abbas M, Mehdi A, Khan PR, **Verma S**, Ahmad A, Khatoon 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. **(IF-2.49)**

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. *Anti-cancer Agents in Medicinal Chemistry*. 2021 Feb 9. **(IF-2.505)**
10. **Verma S**, Rizvi S, Abbas M, Raza T, Mahdi F. Personalized medicine-future of diagnosis and management of T2DM. *Diabetes & metabolic syndrome*. 2019;13(4):2425-30. **(IF-0.5)**
11. **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.
12. 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.
13. **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.
14. **Verma S**, Srivastava N, Banerjee M. Genetic polymorphisms in TCF7L2 and PPARG genes and susceptibility to Type 2 diabetes mellitus. *Meta Gene*. 2021 Jun 1;28:100864.
15. Shivnath N, Rawat V, Siddiqui S, **Verma S**, Gupta P, Rais J, Khan MS, Arshad M. Antiosteoarthritic effect of *Punica granatum* L. peel extract on collagenase induced osteoarthritis rat by modulation of COL-2, MMP-3, and COX-2 expression. *Environmental Toxicology*. 2021 Jan;36(1):5-15. **(IF-4.3)**.
16. Ahmad A, Khatoon F, Singh A, **Verma S**. Evaluation of foetal cardiac dysfunction as a cause of unexplained still-birth in diabetic pregnancies. *Era's Journal of Medical Research*. 2020;7(1):107-10.
17. **Verma S**, Rizvi S, Abbas M, Raza T, Mahdi F. Personalized medicine-future of diagnosis and management of T2DM. *Diabetes & metabolic syndrome*. 2019;13(4):2425-30. **(IF-0.8)**
18. **Verma S**, Chandra H, Banerjee M. Interlukin-10 gene polymorphisms (-819T/C and-1082A/G) and Type 2 diabetes mellitus in North Indian population. *Disease and Molecular Medicine*. 2016 Dec 31;4(4):68-76.
19. **Verma S**, Chandra H, Banerjee M. Cyclooxygenase 1 (COX1) expression in Type 2 diabetes mellitus: A preliminary study from north India. *Egyptian Journal of Medical Human Genetics*. 2016;17(1):41-5.

20. **Verma S**, Sagar N, Vats P, Shukla KN, Abbas M, Banerjee M. Antioxidant enzyme levels as markers for type 2 diabetes mellitus. *Int J Bioassays*. 2013;2(4):685-90.

Book chapter:

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. 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.