

List of 10 important papers in HIV:

1. Prediction of drug-resistance in HIV-1 Subtype C based on protease sequences from ART naïve and first line therapy failures in North India using genotypic and docking analysis. Toor JS, Verma R, Gupta P, Garg P, Sharma A and Arora SK. *ANTIVIRAL RESEARCH* 2011; 92:213-18.
2. Prediction of NRTI drug resistance in HIV-1 subtype C among first line antiretroviral-experienced virological failure patients from North India using genotypic and docking analysis. Toor JS, Kumar R, Garg P, Sharma A, Arora SK. *J AIDS CLIN RES* 2012, S5: 005. doi:10.4172/2155-6113.S5-005.
3. High producer haplotype (CAG) of -863C/A, -308G/A and -238G/A polymorphisms in the promoter region of TNF- $\alpha$  gene associate with enhanced apoptosis of lymphocytes in HIV-1 subtype C infected individuals from North India. Singh S, Sharma A, Arora SK. *PLOS ONE*. 2014, 9(5): e98020. doi:10.1371/journal.pone.0098020.
4. Mycobacterium tuberculosis modulates the gene interactions to activate the HIV replication and faster disease progression in a co-infected host. Toor JS, Singh S, Sharma A, Arora SK. *PLOS ONE* 2014; 9(9): e106815.
5. Combination of low producer AA-genotypes in IFN- $\gamma$  and IL-10 genes makes a high risk genetic variant for HIV disease progression. Singh S, Sharma A, and Arora SK. *Cytokine* 2015; 77:135-44.
6. Increased expression of negative regulators of cytokine signaling during chronic HIV disease cause functionally exhausted state of Dendritic cells. Sachdeva M, Sharma A and Arora SK. *Cytokine* 91:118-123; 2017.
7. Signature genes associated with Immunological Non-responsiveness to Anti-retroviral therapy in HIV-1 infection. Singh S, Toor JS, Sharma A and Arora SK. *Plos One* 2020; 15(6): e0234270: 1-17. doi.org/10.1371/journal.pone.0234270 J.
8. Human Immunodeficiency virus-1 (HIV-1) subtype-C genetically diversify to acquire higher replication competence in human host with co-morbidities. Mehta G, Sharma A, Arora SK. *AIDS Res Hum Retroviruses*. 2021 Jan 7. doi: 10.1089/AID.2020.0118.
9. Acquisition of additional NF $\kappa$ B binding sites in LTR of genetically evolving HIV-1 subtype C viral species in host with co-morbidities. Mehta G, Sharma A, Arora SK. *AIDS Res Hum Retroviruses*. 2021 Jan 13. doi: 10.1089/AID.2020.0195.
10. A Phylogenomic Analysis of HIV Transmission Pattern among High Risk Groups of North-West India. Chauhan CK, Lakshmi PVM, Sarma P, Sagar V, Sharma A, Kumar R, Arora SK. *J Clin Cell Immunol* 2023; 14(3):1-7. DOI: 10.35248/2155-9899.23.14.689.