

List of Publications

A. PUBLICATIONS FROM Ph.D. THESIS WORK

a. Research Articles:

1. **Bhatia, K.**, Tiwari, S., Gupta, V. K., Sapariya, N. M., & Upadhyay, S. K. (2024). An in vitro model of adipose tissue-associated macrophages. *Journal of biosciences*, 49, 79. 10.1007/s12038-024-00464-5 PMID: 39119914
2. Karishma Bhatia, Sanjeev K Upadhyay. Obesity and type 2 diabetes as chronic inflammation: Do cytokines conform? (In communication)

b. Poster presentation at conferences:

1. **Karishma Bhatia**, Tejan Lodhiya, Sandhya Tiwari, Vikas Kumar Gupta, Raju Mukherjee, Sanjeev K Upadhyay. MASS SPECTROMETRIC ANALYSIS OF *IN VITRO* MACROPHAGES SUBTYPES. *International Conference on "Celebrating Proteins on the Birth Centenary of Dr. G. N. Ramachandran"*, MSU Baroda, Vadodara, March 3-4, 2023
2. **Karishma Bhatia**, Sandhya Tiwari, Vikas Kumar Gupta, Neerav Sapariya, Sanjeev K Upadhyay. AN IN-VITRO MODEL FOR ADIPOSE TISSUE MACROPHAGES. *International Conference on "Molecular Medicine, Reproduction and Endocrinology, 2023 and 40th Annual Meeting of the SRBCE"*, Navrachna University, Vadodara, Sept 14-16, 2023

B. PUBLICATIONS FROM OTHER ASSOCIATED PROJECTS DURING Ph.D. TENURE

a. Research Articles:

1. Prasanna K Simha, Chandramouli Mukherjee, Vikas K Gupta, **Karishma Bhatia**, et al, *Sida cordifolia*, is efficacious in models of Huntington's disease by reducing ER stress, 2025. *Frontiers in Molecular Biosciences*, 12. doi.org/10.3389/fmolb.2025.1567932
2. Himanshu Rawat, **Karishma Bhatia** et al, Changes in cytokine profile of M1 macrophages with administration of Swarna vachadi yoga- An observation, *IJAR*, 2025 (Manuscript accepted)

3. Neerav M Sapariya, **Karishma Bhatia** et al, Ksheer-Vidari or *Ipomoea mauritiana* prime macrophages towards M2 phenotype, Journal of Ayurveda, 2024 (Manuscript accepted)

b. Poster presentation at conferences:

1. Prasanna K Simha, Chandramouli Mukherjee, **Karishma Bhatia**, Vikas Kumar Gupta, Neerav M Sapariya, Padmanabhi Nagar, Azim Nazeer ZA, Ashwini Godbole, Bhavani Shankar Sahu, Sanjeev K Upadhyay. Comparative Analysis of Mode of Action of *Sida cordifolia* and *Acorus calamus* in Huntington's disease Model of *Caenorhabditis elegans*. 9th WAC, Goa, Dec 8-11, 2022

2. Sandhya Tiwari, **Karishma Bhatia**, Vikas Kumar Gupta, Sanjeev K Upadhyay. Evaluation of Major Antidiabetic Agents on Macrophages. *International Conference on "Celebrating Proteins on the Birth Centenary of Dr. G. N. Ramachandran"*, MSU Baroda, Vadodara, March 3-4, 2023

3. Vikas Kumar Gupta, Prasanna K Simha, **Karishma Bhatia**, Sandhya Tiwari, Ashwini Godbole, Sanjeev K Upadhyay. *Sida cordifolia* is Effective in Reducing Cellular Aggregation. *International Conference on "Celebrating Proteins on the Birth Centenary of Dr. G. N. Ramachandran"*, MSU Baroda, Vadodara, March 3-4, 2023

4. Sandhya Tiwari, **Karishma Bhatia**, Vikas Kumar Gupta, Sanjeev K Upadhyay. Revisiting Antidiabetics: Effects on Adipocytes and Adipose Tissue Macrophages. *International Conference on "Molecular Medicine, Reproduction and Endocrinology, 2023 and 40th Annual Meeting of the SRBCE"*, Navrachna University, Vadodara, Sept 14-16, 2023