

## Brief Curriculum Vitae

Name: **Dr. Alpana Sharma**

Designation: **Professor**

Department/Institute/University: **Department of Biochemistry, All India Institute of Medical Sciences, Ansari Nagar, New Delhi, 110029, India.**

Date of Birth: 01-08-1959

Educational Qualification: **M.Phil, PhD (Biochemistry), JN Med College, AMU, Aligarh**

### *Position and Employment (Starting with the most recent employment)*

Sl No.	Institution Place	Position	From (Date)	To (date)
1.	Dept of Biochemistry, AIIMS	Professor	July 2014	Till date
2.	Department of Biochemistry. All India Institute of Medical Sciences	Additional Professor	July 2010	June 2014
3.	Department of Biochemistry. All India Institute of Medical Sciences	Associate Professor	July 2007	June 2010
4.	Department of Biochemistry. All India Institute of Medical Sciences	Assistant Professor	Jun, 2003	June 2007

### **Awards and Recognition:**

- a. AIIMS Excellence Research Award in Basic Science Category (2016)
- b. Travel Grant from IGCS 2016 at Lisbon, Portugal.
- c. AACR-NCI International Investigator Opportunity Grant Awarded by American Association for Cancer Research Philadelphia, USA (Dec 2009)
- d. Indo French Fellowship awarded in the year 1988-89.
- e. Lady Tata Memorial Trust fellowship, Bombay 1983-1985
- f. Membership, National Academy of Medical Sciences, New Delhi, 2010
- g. Membership, National Academy of Sciences, 2012
- h. Travel grant from IGCS Prague , Czeck Republic, 2010
- i. Travel grant from UGC to deliver talk in IGCS conference, 2012
- j. Treasurer, Indian Immunology Society(2014-till date)
- k. Secretary General, Indian Academy of Biomedical Sciences, Lucknow (2014-Till date)

### **Research Specialization:**

1. Immunobiology of Skin disorders: Pemphigus & Vitiligo
2. Cancer biology and Tumour Microenvironment

**Research Projects:**

Research Funding received from DBT (2 projects), ICMR (four projects) CSIR (one project), and Intramural AIIMS grant (Four Projects) to support the research activities

**Research Guidance:** Chief guide and Co- guide for PhD, MD, M Biotech and MSc Biochemistry students (Total 32).

***Publications (Numbers only)***

***Books: 2***

***Chapters In Books-22***

***Publications In Journals- 109 Reviews: 3***

***Edited Books-2***

***General articles:3***

**List of Publications in International Journals of Repute (Last Five Years)**

1. Gupta N, Kumar R, **Sharma A** (2016) Versikine, a proteolysis product of Versican: Novel therapeutics for Multiple Myeloma **Transl Cancer Res** Nov17 2016 Accepted for publication. Kumari R, Khan R, **Sharma A**. Differentiation inducing factor-1 represses c-Myc and VEGF expression in myeloma cells. **Int J Hemat & Oncol**. Oct 31 2016; Accepted for publication.
2. Khan R, Sharma M, Kumar L, Husain SA, **Sharma A** (2016) Cinnamon extract exhibits potent anti-proliferative activity by modulating angiogenesis and cyclooxygenase in myeloma cells. **Journal of Herbal Medicine**, 2016, 6: 149-156
3. Joshi S, Gupta N, Khan R, Kumar R, Sharma M, Kumar L, **Sharma A** (2015) Interrelationship between Angiogenesis, Inflammation and Oxidative stress in Indian patients with Multiple Myeloma. **Clin Transl Oncol.** 2015 Jul 14. [Epub ahead of print] PMID: 26169214
4. Asothai R, Anand V, Das D, Antil PS, Khandpur S, Sharma VK, **Sharma A**. (2015) Distinctive Treg associated CCR4-CCL22 expression profile with altered frequency of Th17/Treg cell in the immunopathogenesis of Pemphigus Vulgaris. **Immunobiology** 2015 Oct;220(10):1129-35.
5. Gupta N, Khan R, Kumar R, Kumar L, **Sharma A** (2015) Versican and its associated molecules: Potential diagnostic markers for multiple myeloma. **Clin Chim Acta**. 2015 Mar 10; 442:119-24. doi: 10.1016/j.cca.2015.01.012.
6. Tembhre MK, Parihar A S, **Sharma A**, Gupta S, Chattopadhyay P, Sharma VK. (2015). Participation of T cell immunoglobulin and mucin domain-3 (TIM-3) and its ligand (galectin-9) in the pathogenesis of active generalized Vitiligo. **Immunologic Research**. 2015 May; 62(1):23-34 Epub 03/2015
7. Khatri R; Akhtar N; Mukhopadhyay K; Verma KK; Sethuraman G; **Sharma, A** (2015) Genetic endowment of proinflammatory cytokine tumor necrosis factor- $\alpha$  (-) 308 G > A polymorphism to Parthenium hysterophorus-induced airborne contact dermatitis in an Indian cohort **Int J Dermatol** 2015 Feb;54(2):179-84 Epub 2014 Feb 14.
8. Khan R, Gupta N, Kumar R, Sharma M., Kumar L, and **Sharma A**. (2014) Augmented expression of urokinase plasminogen activator and extracellular matrix proteins associates with multiple myeloma progression. **Clin Exp Metastasis** Vol. 31, (5) June 2014, pp 585-593 (Accepted for publication on 26 March. Pubmed citation May 9, 2014).
9. Tembhre MK, Parihar AS, Sharma VK, **Sharma A**, Chattopadhyay P, Gupta S, (2014) Alteration in regulatory T cells and programmed death (PD)1 expressing regulatory T cells in

- active generalized vitiligo and their clinical correlation. **British Journal of Dermatology** 2015 Apr; 172 (4):940-50
10. Chugh S, Swaroop L, Anand V, Sharma M, Seth A, and **Sharma A** (2013) Involvement of Th17 cells in patients of urothelial carcinoma of bladder. **Human Immunol.** 2013 Oct;74(10):1258-62
  11. Khan R, Sharma M., Kumar L, Husain S E and **Sharma A.** (2013) Interrelationship and expression profiling of Cyclooxygenase and Angiogenic Factors in Indian patients with Multiple Myeloma. **Annals of Hematology** 2013 Jan; 92(1):101-9. doi: 10.1007/s00277-012-1572-5. Epub 2012 Sep 13.
  12. Tembhre MK, Sharma VK, **Sharma A**, Chattopadhyay P, Gupta S.(2013) T helper and regulatory T cell cytokine profile in active, stable and narrow band ultraviolet B treated generalized vitiligo.**Clin Chim Acta.** 2013 Sep 23;424:27-32
  13. Akhtar N, Anand V, Verma K K and **Sharma A** (2013) Augmented telomerase activity and reduced telomere length in parthenium-induced contact dermatitis. **J Eur Acad Dermatol Venereol.** 2013 Oct; 27(10):1222-7. doi: 10.1111/j.1468-3083.2012.04691.x. Epub 2012 Sep 5.
  14. Sharma M, Satyam A, Rajappa M, Abhishek A and **Sharma A** (2012) Molecular and Circulatory Expression Of Insulin Growth Factors In Indian Females With Advanced Cervical Cancer. **Asian Pacific J Cancer Prev.** 2012;13(12):6475-9.
  15. Bhagirath D, Abrol N, Khan R, Sharma M, Seth A and **Sharma A** (2012) Expression of CD147, BIGH3 and Stathmin and their potential role as diagnostic marker in patients with urothelial carcinoma of bladder **Clinica Chimica Acta.** 2012 Oct 9; 413 (19-20):1641-6 (Epub 2012 May 14).
  16. Anand V, Khandpur S, Sharma VK, **Sharma A.** (2012) Utility of desmoglein ELISA in the clinical correlation and disease monitoring of pemphigus vulgaris. **J Eur Acad Dermatol Venereol.** 2012 Nov; 26(11):1377-83
  17. Mohan A, Prasad D, **Sharma A**, Arora S, Guleria R, Sharma SK, Pandey RM (2012) Delayed resolution of inflammatory response compared with clinical recovery in patients with acute exacerbations of chronic obstructive pulmonary disease. **Respirology.** 2012 Oct; 17 (7):1080-5.
  18. Rao A, Gupta S, Dinda AK, **Sharma A**, Sharma VK, Kumar G, Mitra DK, Prashant CK, Singh G. (2012) Study of clinical, biochemical and immunological factors determining stability of disease in patients with generalized vitiligo undergoing melanocyte transplantation. **Br J Dermatol.** 2012 , Jun;166 (6) :1230-6
  19. Khan R, Gupta S, **Sharma A** (2012) Circulatory levels of T-cell cytokines (interleukin [IL]-2, IL-4, IL-17, and TGF-beta) in patients with vitiligo **J Am Acad Dermatol** 2012 March 66(3):510-511.
  20. Satyam A, Singh P, Sharma M, Seth A, **Sharma A.** (2011) CYFRA 21-1: A potential molecular marker for noninvasive differential diagnosis of urothelial carcinoma of bladder. **Biomarkers** 16(5): 413-421.
  21. Satyam A, Singh P, Badjatia N, Seth A, **Sharma A.** (2011) A disproportion of TH1/TH2 cytokines with predominance of TH2, in urothelial carcinoma of bladder. **Urologic Oncology,** 2011 Jan-Feb; 29(1):58-65.
  22. Joshi S, Khan R, Sharma M., Kumar L, **Sharma A.** (2011) Angiopoietin-2: A potential novel diagnostic marker in Multiple Myeloma. **Clin Biochem.** 2011 Jun;44(8-9):590-5
  23. Sharma M, Rajappa M, Satyam A and **Sharma A** (2011) An imbalance in oxidant/anti-oxidant dynamics: correlation with therapeutic response in patients with carcinoma of posterior one-third of tongue. **Oncology Research** 2011; 19(7):365-374.

24. Khatri R; Mukhopadhyay K; Verma KK; Sethuraman G; **Sharma, A** (2011) Genetic predisposition due to lower producers of IL-10 (-) 1082 G>A & (-) 819 C>T loci but no endowment due to IFN-g (+) 874 A>T locus to Parthenium Dermatitis in Indian cohort. **British J Dermatol** . 2011; 165:115-122.
  25. Joshi S, Tiwari A , Mondal B, **Sharma A**, (2011) Oncoproteomics- A review. **Clinica Chimica Acta** Jan 30, 412:217-226
  26. Akhtar N, Satyam A, Anand V, Verma KK, **Sharma A**. (2010) Dysregulation of T(H) type cytokines in the patients of Parthenium induced contact dermatitis. **Clin Chim Acta**. 411:2024-2028
  27. **Sharma A**, Khan R, Joshi S, Sharma M, Kumar L.(2010) Dysregulation in Th1/Th2 cytokine ratios in multiple myeloma patients. **Leukemia Lymphoma**. 2010; 51(5) :920-7
  28. **Sharma A**, Satyam A, Sharma M. (2010) Oxidant/anti-oxidant dynamics in patients with advanced cervical cancer: correlation with treatment response. **Mol Cell Biochem** 2010 Aug; 341(1-2):65-72.
  29. Badjatia N, Satyam A, Singh P, Seth A, **Sharma A**. (2010) Altered antioxidant status and lipid peroxidation in Indian patients with urothelial bladder carcinoma. **Urologic Oncology**; 2010. Jul-Aug;28(4):360-7.
  30. Akhtar N, Verma KK, **Sharma A** (2010) Study of Pro and Anti-inflammatory Cytokine Profile in the Patients with Parthenium Dermatitis. **Contact Dermatitis**,\_Oct; 63(4):203-8.
  31. **Sharma A**, Khan R, Joshi S, Sharma M, Kamar L.(2010) Dysregulation in Th1/Th2 cytokine ratios in multiple myeloma patients. **Leukemia Lymphoma**. 2010; 51(5) :920-7
  32. Khandpur S, Sharma VK, **Sharma A**, Pathria G, Satyam A. (2010) Comparison of enzyme-linked immunosorbent assay test with immunoblot assay in the diagnosis of pemphigus in Indian patients. **Indian J Dermatol Venereol Leprol**. 2010 Jan-Feb;76(1):27-32.
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