NAME	Dr. Anupama Sharma Avasthi	
DESIGNATION	Assistant Professor Grade III	
RESEARCH INTERESTS	***Extraction and biological activity evaluation of extracts and compounds from plants.***	

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
Miranda House, Delhi University	B.Sc. (Hons.) Chemistry	1992
Devi Ahilya University, Indore	M.Sc. Biotechnology	1994
Ch. Devilal University	M. Phil.(Biotechnology)	2003
Amity University, Uttar Pradesh	Ph.D. (biotechnology)	2018

EXPERIENCE (in chronological order)

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
JRF	Research	NEERI (CSIR), Nagpur	1995-1996
Visiting Lecturer	Teaching	Government Girls Degree College, Kota	1997-1999
Lecturer	Teaching and research	Amity Institute of Biotechnology	2003-2007
Senior Lecturer	Teaching	IMTU, Tanzania	2008-2011
Assistant Professor Grade II	Teaching and research	Amity Institute of Biotechnology, Amity University, Uttar Pradesh	2011- 2017
Assistant Professor Grade III	Teaching and research	Amity Institute of Biotechnology, Amity University, Uttar Pradesh	2017- till date

PUBLICATIONS *18*	• Gayatri Krishna, Geethu Gopinath, Bhawana Rathi, **Anupama Avasthi***. Epitope Prediction for Peptide Vaccine Against Chikungunya and Dengue Virus, Using Immunoinformatics Tools, International Conference on Innovative Computing and Communications,

	Proceedings of ICICC 2021, Volume 1, Advances in Intelligent Systems and Computing, Springer. • **Anupama Sharma Avasthi***, Navkiran Kaur, Shivani Sharda and Sabari Ghosal. An Insight into Antioxidant and Antimicrobial Activities of Ethnotherapeutically Important Trans Himalayan Medicinal Plants: A Review. Journal of Pharmaceutical Research International, (2021) 33(36A): 195-212. • Navkiran Kaur, **Anupama Avasthi**, Shivani Sharda and Ashish Misra. PVAT mediated immunomodulation in vasculo-adipose balance in atherosclerosis. Trends Med, 2021, 21:7-7, doi: 10.15761/TiM.1000270. • Gayatri Krishna, Geethu Gopinath, **Anupama Sharma Avasthi**, An effective and eco-friendly technique for control of post-harvest fungal pathogens of orange (Citrus sinensis) isolated from the distribution chain of Delhi NCR, J App Biol Biotech (Dec 2020) 8(6): 54-59. • **Anupama Sharma Avasthi**, Manisha Bhatnagar, Nandan Sarkar, Surinder Kitchlu, Sabari Ghosal. Bioassay guided screening, optimization and characterization of antioxidant compounds from high altitude wild edible plants of Ladakh, J Food Sci Technol (August 2016) 53(8):3244–3252. • **Anupama Sharma Avasthi**, Manisha Bhatnaga, A. Thirumoorthy, W. Selvamurthy, Nupur Sinha and Sabari Ghosal, Methods of extraction and fractionation of bioactive components of Morinda coreia for anti-tubercular and anti-cancer activities, IJPSR, JULY 2020, 11(8):1000-08. • **Anupama Sharma Avasthi** and Sabari Ghosal, A simple and efficient method for removal of phenolic contaminants in wastewater using polyacrylamide entrapped mushroom tyrosinase in wastewater using polyacrylamide entrapped mushroom tyrosinase, J App Biol Biotech (Apr 2020) 8(2): 22-27. • **Anupama Sharma Avasthi,** Manisha Bhatnagar, Sabari Ghosal. High altitude medicinal plants against multidrug resistant microorganisms: Screening and chemical profiling of the most active *Nepeta longibracteata*, Int. Journal of Pharamcology, 2017, 13: 552-562. • **Anupama Sharma Avasthi,** Sanjoli Jain, Manisha Bhatnagar, Sabari Ghosal. *In vitro* antibacterial, antifungal, antioxidant and membrane stabilising activities of *Alpinia galanga*, International Journal of Phytomedicine, 2015, 7:78-89.

	• **Avasthi A,** Ghosal S and Purkayastha, Study of antimicrobial activity of *Orchis latifolia*, International Journal of Pharma and Bio Sciences, October, 2013 4(4): (B) 638 – 646. • Ana Jawaid, Sanjoli Jain, Manisha Bhatnagar, Sharmishtha Purkayastha, Sabari Ghosal and **Anupama Sharma Avasthi.** Free radical scavenging and antioxidant impact of Indian medicinal plant extracts on H_2O_2 mediated oxidative Stress on human erythrocytes. American Journal of Phytomedicine and Clinical Therapeutics, 2014, 2(9). • Bhatnagar M**, Avasthi AS,** Ghosal S. *In vitro* antibacterial and antioxidant activity of high altitude medicinal plant *Tanacetum gracile*. IJPBS. 2017; 8(2): 914-21. • Manisha Bhatnagar, **Anupama Avasthi,** Sarman Singh, Sabari Ghosal. Evaluation of antileishmanial and antibacterial activity of *Waldheimia tomentosa* (Asteraceae), and chemical profiling of the most bioactive fraction. Tropical Journal Pharmaceutical research, 2016; 16(9): 2168-2179. • Sarkar N, **Avasthi AS**, Ghosal S, Bioactive fraction of *Tropidia curculioides*, a rare orchid of Arunachal Pradesh, India: phytochemical profile and marker compounds, Asian Journal of pharmaceutical and clinical research. 11, 5, 2018. • **Avasthi AS** and Purkayastha, S, Phytochemical analysis and antibacterial activity of *Boswellia serrata* against multi-drug resistant bacterial clinical isolates, International Journal of Biology, Pharmacy and Allied sciences, August, 2013, 2(8).1691-98. • Yadav M and **Avasthi AS**, Cathepsin B: A controversial target for Alzeihmer's disease, Int J Pharm Bio Sci 2017 Apr; 8(2): (B) 369 – 373. • **Avasthi Anupama** and Verma Alpana. Novel application of Lactic Acid Bacteria (LAB) and recombinant LAB as immune modulator, antimicrobial and therapeutic agent, IMTU Medical journal, 2012, 3:15-22. • Malliga Elangovan, I.Elangovan and **Anupama Avasthi**. HIV related renal diseases in Africans- A Review, IMTU Medical journal, ISSN no: 1821-7613, April, 2011; Volume 2, Issue 2: 53 -59.
PATENTS 03 (Granted 01)	• **Anupama Avasthi**, Sadhna Sinha, Sharmishtha Purkayastha, Sabari Ghosal, "A bioactive extract of plant *Orchis latifolia* for antibacterial and

	anticandidal activities" (3125/DEL/2012) dated 05.10.12. • Sadhna Sinha, Sharmishtha Purkayastha, **Anupama Avasthi**, Sabari Ghosal, "Study of the effect of high-altitude medicinal plant extracts against oxidative stress in patients undergoing chemotherapy" (1319/DEL/2012) dated 30.04.12. **(Patent number 354386 Granted on 11 Feb 2021 for a period of 20 years).** • **Anupama Avasthi**, Sabari Ghosal, "A process for extraction and fractionation of bioactive components of Waldheimia tomentosa for antimicrobial and antioxidant activities" (515/DEL/2015).
BOOKS	Fundamentals of Bioanalytical Techniques and Instrumentation, Sabari Ghosal and **Anupama Sharma Avasthi**, PHI, 2018.
AWARDS & HONOURS/ DISTINCTIONS	DBT fellowship during M.Sc. GATE 1994
MEMBERSHIP with Professional/ Academic bodies	Life Member of AMI, SBC and INSA