

NAME	Dr. Praveen Dahiya		
DESIGNATION	Assistant Professor (III)		
EMAIL ID	pdahiya@amity.edu		
CONTACT NUMBER	9717139127		
RESEARCH INTERESTS	Enzymology, Fermentation and Industrial Biotechnology, Plant Products		
EDUCATIONAL QUALIFICATIONS:			
Name of College / University	Degree	Year	
Osmania University, Hyderabad	B.Sc	1996	
Guru Jambheshwar University of S&T, Hisar	M.Sc	2000	
Guru Jambheshwar University of S&T, Hisar Working lab: Department of Biochemical Engg. and Biotechnology, I.I.T. Delhi	Ph.D.	2008	
Title of Ph.D. thesis: Studies on microbial lipases- Isolation and screening of cultures, enzyme production, purification and characterization.			
EXPERIENCE (in chronological order)			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Lecturer	Teaching	DCR University of S&T, Murthal	2007-2008
Assistant Professor (III)	Teaching	Amity University, Noida	2008- present
No. of Ph.D. students supervised	Awarded: (no. only)		
	Ongoing: (no. only) 1 Part Time 1 Full Time		
PUBLICATIONS (20)	<p>1). Praveen Dahiya, Ashok Chaudhury, Subhash Chand & Neeraj Dilbaghi. 2007. Isolation and characterization of an extracellular lipase from <i>Pseudomonas aeruginosa</i> M-13. <i>Annals of Biology</i> 23(2):103-107.</p> <p>2). Praveen Dahiya, Subhash Chand., Ashok Chaudhury & Neeraj Dilbaghi. 2008. Lipase production by <i>Pseudomonas mendocina</i> M-37 in batch and continuous culture. <i>J. Agri. Biol.Res.</i>, 24(1):18-29.</p> <p>3). Praveen Dahiya, Pooja Arora, Subhash Chand, Ashok Chaudhury, Neeraj Dilbaghi. 2010. Characterization of an extracellular alkaline lipase from <i>Pseudomonas mendocina</i> M-37. <i>Journal of Basic Microbiology</i>, 50: 1-7.</p> <p>4). Sharmistha Purkayastha, Praveen Dahiya. 2011. Biochemical Studies on the Immobilization of Invertase from <i>Saccharomyces</i> sp. PS-10. <i>International Journal of Applied Biotechnology and Biochemistry</i>, 1(2): 167-174.</p> <p>5). Praveen Dahiya, Sharmistha Purkayastha. 2011. Isolation, screening and production of extracellular alkaline lipase from a newly isolated <i>Bacillus</i> sp. PD-12. <i>Journal of Biological Sciences</i>. 11(5); 381-387.</p> <p>6). Praveen Dahiya, Sharmistha Purkayastha. 2011. Phytochemical</p>		

- screening and antimicrobial potentials of *Alangium salvifolium* and *Piper longum* against multi-drug resistant bacteria from clinical isolates. *International Journal of Pharmacy and Pharmaceutical Sciences*. 3(5):462-465.
- 7). Praveen Dahiya, Sharmistha Purkayastha. 2012. Phytochemical analysis and antibacterial efficacy of Dill seed oil against multi-drug resistant clinical isolates. *Asian Journal of Pharmaceutical and Clinical Research*. 5(2): 62-64.
- 8). Praveen Dahiya, Sharmistha Purkayastha. 2012. Phytochemical screening and antibacterial potentiality of essential oil from *Psoralea corylifolia* Linn. *International Journal of Biosciences, Biochemistry and Bioinformatics*. 2(3): 188-191.
- 9). Sharmistha Purkayastha, Rittee Narain & Praveen Dahiya. 2012. Evaluation of antimicrobial and phytochemical screening of Fennel, Juniper and Kalonji essential oils against multi drug resistant clinical isolates. *Asian Pacific Journal of Tropical Biomedicine* 673-678.
- 10). Praveen Dahiya, Sharmistha Purkayastha. 2012. Phytochemical screening and antimicrobial activity of some medicinal plants against multi-drug resistant bacteria from clinical isolates. *Indian Journal of Pharmaceutical Sciences*. 74(5): 443-450.
- 11). Praveen Dahiya, Akshi Manglik. 2013. Evaluation of antibacterial, antifungal and antioxidant potential of essential oil from *Amyris balsamifera* against multi drug resistant clinical isolates. *Asian Journal of Pharmaceutical and Clinical Research*. 6(5): 57-60.
- 12). Praveen Dahiya, Subhash Chand, Neeraj Dilbaghi. 2014. Immobilization of organic solvent tolerant lipase from *Pseudomonas mendocina* M-37 with potential synthetic activities. *Food Technology and Biotechnology*. 52(3): 368-375.
- 13). Amrita Soni, Praveen Dahiya. 2014. Phytochemical analysis, antioxidant and antimicrobial activity of *Syzygium Caryophyllatum* essential oil. *Asian Journal of Pharmaceutical and Clinical Research*. 7(2): 202-205.
- 14). Praveen Dahiya, Bhawna Rathi. 2015. Characterization and application of alkaline α -amylase from *Bacillus licheniformis* MTCC1483 as a detergent additive. *International Food Research Journal*. 22(3): 1293-1297.
- 15). Amrita Soni, Praveen Dahiya. 2015. Screening of Phytochemicals and antimicrobial potential of extracts of *Vetiver zizanoides* and *Phragmites karka* against clinical isolates. *International Journal of Applied Pharmaceutics*. 7(1): 22-24.
- 16). Sajjad Zaidi, Praveen Dahiya. 2015. *In vitro* antimicrobial activity, phytochemical analysis and total phenolic content of essential oil from *Mentha spicata* and *Mentha piperita*. *International Food Research Journal*. 22(6): 2440-2445.
- 17). Seema Raj, Praveen Dahiya, Sumedha Mohan. 2015. Physicochemical analysis and *In-vitro* antibacterial activity of *Jatropha Curcas* grown on fly ash amended soil. *International Journal of Applied Environmental Science*. 10 (4): 1375-1383.
- 18). Bharat Singh Chauhan, Praveen Dahiya. 2016. Evaluation of *In -vitro* antimicrobial potential and phytochemical analysis of

	<p>Spruce, Cajeput and Jamrosa essential oil against clinical isolates. <i>International Journal of Green Pharmacy</i>. 10 (1): 27-32.</p> <p>19).Nidhi Manhas, Praveen Dahiya. 2017. <i>In vitro</i> antimicrobial activity and phytochemical screening of leaf and stem extracts of <i>Michelia champaca</i> Linn. <i>International Food Research Journal</i>. 24 (6): 2672-2676.</p> <p>20). Praveen Dahiya 2017. Phytochemical investigation and antimicrobial properties of <i>Dioscorea Bulbifera</i> tuber. <i>Asian Journal of Pharmaceutical and Clinical Research</i>. 10 (12): 317-319.</p> <p>Sequence submitted-</p> <p>Nucleotide sequence (16S rRNA partial sequence)- Submitted to NCBI GenBank on July 2014 under the accession number JQ962977</p>
<p>PATENTS (5)</p>	<p>5 patent filed with Complete Specifications</p> <ol style="list-style-type: none"> 1). "A solvent tolerant bacterial lipase and its application thereof in food industry". Application no. - 924/DEL/2009 2). "Antibacterial activity of Babchi oil (<i>Psolarea corylifolia</i>) against multi drug resistant bacteria." Application no. - 2267/DEL/2011 3). "Immobilization of <i>Pseudomonas mendocina</i> lipase with potential synthetic activities". Application no. – 3620/DEL/2011 4). "<i>In-vitro</i> antibacterial activity of <i>Jatropha curcas</i> grown on fly ash amended soil". Application no. – 3640/DEL/2013 5). "A method for producing ethanolic and ethyl acetate extracts of Microalgae <i>Chlorella Pyrenoidosa</i>." Application no.- 1569/DEL/2016
<p>RESEARCH PROJECTS Completed: (<i>total no.</i>) Ongoing: (<i>01</i>)</p>	<p>"Standardization of an innovative agro technique for cultivating Calendula and enhancing its medicinal potential as a drug using fly ash-soil in different combinations as a base material" (CST/AAS/D-1549) funded by Council of Science and Technology, Department of S&T, UP (2017)</p>
<p>AWARDS & HONOURS/ DISTINCTIONS</p>	<ol style="list-style-type: none"> 1. University Research Fellowship for 3 years 2. Awarded first prize in poster presentation in National conference in 2006. 3. Awarded third prize in poster presentation on National Science day in year 2003. 4. Excellent paper presentation award in International conference in 2012. 5. Best poster presentation award in INSCR International Conference (IIC-2017)

MEMBERSHIP with
Professional/ Academic bodies

1. Reviewer for “Preparative Biochemistry and Biotechnology”.
2. Reviewer for “Journal of Basic Microbiology”- (Wiley VCH)
3. Reviewer for “International Journal of Biological Macromolecules” (Elsevier)
4. Reviewer for “International Research Journal of Microbiology” (ISSN: 2141-5463)
5. Reviewer for “International Research Journal of Plant Science” (ISSN: 2141-5447)
6. Reviewer for “African Journal of Biotechnology”.
7. Reviewer for “African Journal of Microbiology Research”.
8. Editorial Board Member of “International Journal of Modern Biology and Medicine”
9. Executive Editor “Journal of Enzyme Research” (ISSN: 0976-7657).
10. Reviewer for “Annual Research and Review in Biology” (ISSN: 2347-565X)
11. Editorial Board Member of “International Journal of Biological Sciences and Applications”
12. Reviewer for “E3 Journal of Biotechnology and Pharmaceutical Research”.
12. Technical committee member ICEST 2016 “7th International conference on Environmental Science and Technology”, June 10-12, Barcelona, Spain
13. Editorial board member of “American Journal of Pharmacy and Pharmacology” under AASCIT.
14. Advisory board member of “International Association for Promotion of Healthcare and Life-Science Research” (IAPHLR).
15. Technical committee member ICBBB 2017 “7th International conference on Bioscience, Biochemistry and Bioinformatics”, January 21-23, Bangkok, Thailand.
16. Reviewer for APJTM (Asian Pacific Journal of Tropical Medicine)
17. Reviewer for BMC Research Notes
18. Reviewer for Indian Journal of Natural Products and Resources.
19. Life member of ISS.
20. Reviewer for Biomedicine & Pharmacotherapy (Elsevier)
21. Reviewer for Journal of Medicinal Plant Research
22. Reviewer for BMC Complementary and Alternative Medicine.