

Dr. Ashwini Nilesh Puntambekar



Designation	Assistant Professor
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Phone No	020-67919444
Qualification	M.Sc., M.Phil., Ph.D.

EDUCATIONAL QUALIFICATIONS:

Ph.D. (Biotechnology) (2018) - Dr. D. Y. Patil Vidyapeeth, Pune, India.

Thesis title: Biochemical studies on bacterial alkaline proteases from hot water springs and their applications.

M.Phil. (Biotechnology) (2008) Alagappa University, Karaikudi, India

Thesis title: Biochemical and Biotechnological studies on alkaline proteases and alkaline lipases from regional microbial isolates.

M.Sc. (Biochemistry) (2001) Karnatak University, Dharwad, India – First class with Distinction, ranked First (University Topper).

B.Sc. (Chemistry, Botany, Zoology) (1999) Karnatak University, Dharwad, India - First class with Distinction.

EMPLOYMENT EXPERIENCE (TOTAL 19+ YEARS COMPLETED)

- **Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune** (July 2007- till date)

13+ Years

Working as an Assistant Professor in Biochemistry from November 2018 till date.

Worked as a Lecturer in Biochemistry from August 2007 to October 2018.

- **Fergusson College, Pune** (2006-2007) **01 Year**

Worked as a Lecturer in the Dept. of Voc. Biotechnology.

- **Garden City College, Bangalore** (2002 – 2005) **3.5 Years**

Worked as a senior Lecturer in the Dept. of Biochemistry.

- **Karnatak University, Dharwad** (2001 – 2002) **01 Year**

Worked as a guest Lecturer in the Dept. of Biochemistry.

FIELD OF SPECIALIZATION: General Biochemistry, Metabolism, Enzymology.

Specific Areas of Research Interest:

1. Thermophilic alkaline proteases and their applications.
2. Protease inhibitors from plant sources.

AWARDS AND FELLOWSHIPS:

1. Awarded with **Three Gold Medals** for being topper in M.Sc. Biochemistry, of KUD, India. (2001)
2. Awarded with **National Scholarship** for M.Sc. Biochemistry, India. (1999-2001)
3. Awarded with Scholarship for being **topper in Chemistry** of KUD, India. (1996-1999)
4. Awarded with second prize for paper presentation at National conference on Biotechnology of DYPBBI, India. (2011)
5. Awarded with second prize for poster presentation at National conference organised by ABCS school of Biotechnology, India. (2011)

Memberships:

1. Member of National Institute of Nutrition, Hyderabad.
2. Life Member of Biotech Research Society, India.

Research Projects Completed:

Project title: Invitro studies on protease inhibitors isolated from plant sources to identify their antimicrobial potential funded by Dr. D. Y. Patil Vidyapeeth, Pune. (2016-2019)

Project guidance:

Served as an efficient guide and co-guide for 5 students at UG and PG level curriculum projects.

PAPER PUBLICATIONS:

International Publications:

1. Puntambekar, A. N., & Dake, M. S. (2017). Isolation, Purification, And Optimization Of Thermophilic And Alkaliphilic Protease Originating From Hot Water Spring Bacteria. *Asian J Pharm Clin Res*, 10(9), 284-291.
2. Puntambekar, Ashwini., & Dake, Manjusha. (2017). Protease inhibitor from white Cranberry Beans (*Phaseolus Vulgaris*): isolation, purification and characterization. *Int. J. Pharmacy and Pharmaceutical Sci*, 9(9).
3. Dake, M. S., Puntambekar, A. N., & Amarapurkar, S. V. (2012). Induction of β -Glucanase from whey yeast. *International Journal of Pharmacy and Biological Sciences*, 2, 263-268.

National Publications:

1. Puntambekar, A. N., Dake, M. S., Pathade, G.R. (2016). Studies on alkaline protease from thermophilic Bacilli. Conference Proceedings of the National Conference on Advances in Applied Physical, Chemical and Life Sciences. 2016 ISBN: 978-93-5158-585-5.

Technical abstracts presented in various meetings, workshops, conferences:

1. Tiwari S. A., Mandlik B. M., Dambhare S. S., Dake M. S., **Puntambekar A. N.*** (2020), Biochemical studies on alkaline protease isolated from regional hot water spring of Mumbai region of India at International Conference on Biotechnology, Pune, India (ICBT 2020).

2. Abhishek, **Ashwini Puntambekar**, Manjusha Dake * (2019), Extraction, purification and characterization of protease inhibitors from *Mentha spaciata* at 3rd International Conference on In Sync –With next generation Bioscience (INGB) -2019, Goa, India.
3. Tiwari S. A., Dengle S. S., Dake M. S., **Puntambekar A. N.*** (2019), Studies on alkaline proteases from regional hot water springs at National Symposium on “Recent Advances in Modern Biology and Biotechnology 2019” (RAMBB 2019), Pune India.
4. Rahalkar C. S., Kore S. V., Dake M. S., **Puntambekar A. N.*** (2019), Biochemical studies of protease inhibitor from *Cucumis sativus* sap. at National Symposium on “Recent Advances in Modern Biology and Biotechnology 2019” (RAMBB 2019), Pune India.
5. Sarika Dengle, **Ashwini Puntambekar**, Manjusha Dake* (2019), Screening of alkaliphilic and thermophilic proteolytic bacteria isolated from hot water springs for production of alkaline protease at National Symposium on “Recent Advances in Modern Biology and Biotechnology 2019” (RAMBB 2019), Pune India.
6. Abhishek, **Ashwini Puntambekar**, Manjusha Dake* Extraction, purification and characterization of protease inhibitor from *Mentha spaciata* at National Symposium on “Recent Advances in Modern Biology and Biotechnology 2019” (RAMBB 2019), Pune India.
7. Dengle S., Kore S.V., Dake M.S., **Puntambekar A. N.*** (2018), Biochemical studies on the plant protease inhibitor from black eyed peas (*Vigna unguiculata*) at CSIR-IICT Platinum Jubilee International Conference on ‘Biotechnological Research and Innovation for Sustainable Development’ XV BRSI Convention, Hyderabad, India.
8. Singh S., **Puntambekar A.N.**, Dake M.S. (2016), Isolation, Screening and optimization of Alkaline Protease from thermophilic bacteria at International Conference on ‘Agricultural Science and Food Technologies’ held at Bangalore, India.
9. Agarwal E., **Puntambekar A.N.**, Dake M.S. (2016), Screening of antimicrobial potential of Moringa oleifera pods and seeds at International Conference on ‘Agricultural Science and Food Technologies’ held at Bangalore, India.
10. Harsha Malode¹, **Ashwini Puntambekar**², Manjusha Dake^{3*} (2016), Studies on protease inhibitors isolated from plant source at 2nd International Conference on Environment and Ecology organized by Bharathiar University Coimbatore, Tamil Nadu In Association with: International Foundation for Environment and Ecology, INDIA.

11. **Puntambekar Ashwini***, Pathade Girish, Dake Manjusha (2016), Studies on Alkaline Protease from thermophilic Bacilli, at National Conference on "Advances in Applied, Physical, Chemical and Life Sciences" Dr. D. Y. Patil ACS College, Pune Paper presentation.
12. **Puntambekar A.N.**, Dake M.S. (2013) "Studies on alkaline lipase from thermophilic Bacilli" at International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2013), Pune India.
13. **Puntambekar A. N*.**, Tare A. U, Dake M.S. (2012) "Studies on Proteases from Regional Halophilic microbial isolates" poster presentation at National Seminar on "Recent Advances in Chemical and Environmental Sciences" (RACES- 2012)" organized by Dept. of Chemistry, Prof. Ramkrishna More Arts Commerce and Science College Pune in collaboration with BCUD, Pune University.Pune, India.
14. Dake M.S., **Puntambekar A.N.**, Kasaram R. (2012) "Studies on beta glucanase isolated from Whey Yeast" at International Conference on Free radicals and antioxidants in health and disease at MGM University of Health Sciences, Navi-Mumbai, India.
15. **Puntambekar A.N.***, Pathade G., Dake Manjusha (2011) "Studies on alkaline protease from regional microbial isolates" paper presentation at National Seminar on Fronteirs in Biotechnology and Bioinformatics, DYPBBI, Pune, India. Paper Presentation Won Second Prize.
16. **Puntambekar A.N.***, Pathade G. (2011) "Biochemical Studies on alkaline protease from regional microbial isolates" paper presentation at National Seminar on Biotechnology. CKT College, New Panvel, India.
17. Dake M.S., **Puntambekar A.N.**, Malode H., (2011) "Studies on thermophilic protease from thermophilic bacilli isolated from hot springs". poster presentation at Annual Biotechnology Conference for students organised by ABCS school of Biotechnology, Pune, India. Secured Second Prize in Poster Competition at National Level Conference.
18. **Puntambekar A.N.***, Pathade G.R. (2010) "Biotechnological studies on alkaline proteases and alkaline lipases from microbial isolates" poster presentation at National Seminar on Biotechnology. Annasaheb Magar College, Pune, India.
19. **Khandkar A.K.*** (2001) "Electrophoretic Techniques". Karnatak University, Dharwad, India.

20. **Khandkar A.K.*** (2001) “Recombinant DNA Technology-an overview”. Karnatak University, Dharwad, India.

Trainings attended:

- 1 International Faculty Development Program on Skilling Teachers for Online Education, UKA Tarsadia University, India (2020).
- 2 India’s Leadership Talk Series, MHRD Innovation Cell, Govt. of India. (2020)
- 3 Training workshop on Introduction to Swayam, Moocs and Moodle, DPU, India. (2018)
- 4 Workshop on Development and training of E-Content, DPU, India. (2017)
- 5 Training on Use of Advanced Features of Campus ERP in Academics, DPU, India. (2016)
- 6 Training workshop - How to make Effective PowerPoint Presentation, DPU, India. (2015)
- 7 National Seminar on Systems Biology. DYPBBI, Pune, India. (2011)
- 8 Seminar on Biophysics. Fergusson College, Pune, India. (2006)
- 9 Seminar on Environmental Awareness. Fergusson College, Pune, India. (2006)
- 10 Workshop on Faculty Development Program Garden City College, Bangalore, India. (2003, 2004, 2005)
- 11 National Seminar on Mosquito Borne Diseases and their prevention. Central College, Bangalore, India. (2004)
- 12 Epilepsy and its causes to mankind. Garden City College, Bangalore, India. (2004)
- 13 Human Genome Project. Garden City College, Bangalore, India. (2003)