
Dr. (Mrs.) Padma Babulal Dandge

Designation : Assistant Professor,
Department of Biochemistry,
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PERSONAL PROFILE:

☐ **Date of Birth** : 1st April 1966

☐ **Gender** : Female

☐ **Nationality** : Indian

☐ **Marital status** : Married

☐ **Religion/ Caste** : SC (Buddhist)

☐ **Languages Known** : Marathi, Hindi, English

EDUCATIOION:

Institution	Degree	Emphasis	Percentag e	Class	Year
Pune Board, Pune	S.S.C.	-	64.57%	I nd Class	1984
Pune Board, Pune	H.S.C.	-	50.00%	II nd Class	1986
Shivaji University Kolhapur.	B.Sc.	Chemistry	56.58 %	II nd Class	1986-1989
Shivaji University Kolhapur.	M.Sc.	Biochemistry	60.00 %	I st Class	1989-1991
Shivaji University Kolhapur.	Ph.D.	Biochemistry	-	-	2007
MKCL	Computer literacy	MS-CIT	57 %	II st Class	2004

**PROFESSIONAL/TRAINING AND RESEARCH EXPERIENCE,
SPECIFYING PERIOD:**

[1].From April 1993 to till date working as an Assistant Professor at Department of Biochemistry, Shivaji University, Kolhapur, Maharashtra, INDIA.

[2].RESEARCH GUIDANCE

Guidance at Masters Level : Completed: 126, In progress: 10

Guidance at Ph.D. Level : In Progress: 01, Thesis Submitted: 03, Awarded:05,

+

[3].RESEARCH PROJECTS

Sr. No.	Designation	Funding Agency	Grant amount sanctioned in Rs.	Completion status/Duration
01	Principal Investigator	UGC, New Delhi	13,91,800/-	Ongoing (01 Jul 2012 to 30 June 2015)
02	Co-Investigator	UGC, New Delhi	10,56,000/-	Ongoing (1 Feb 2011 to 31 Jan 2014)
03	Co-Investigator	MFPI, New Delhi	31,13,000/-	Completed (13 Dec 2010 to 30 June 2013)
04	Principal Investigator	Shivaji University, Kolhapur	3,00,000/-	Ongoing 28 th March 2019
05	Principal Investigator	RGSTC Scheme	5,00,000/- -	Ongoing 17 th June 2019

RESEARCH PROJECTS SUBMITTED TO DST: 01 Co-Investigator

DST , New Delhi	35,46,300/-
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1. Komal K. Bhise, Padma B. Dandge. Alleviation of salinity stress in rice plant by encapsulated salttolerant plant growth promoting bacteria Pantoea agglomerans strain KL and its root colonization ability (IF 1.7)(14 February.2019. Archives of Agronomy and Soil Sciencettps://Doi.Org/10.1080/03650340.2019.1584395.
2. Madhuri V. Bhumbhar Prashant K. Bhagwat Padma B. Dandge Extraction and characterization of acid soluble collagen from fish waste: Development of collagen-chitosan blend as food packaging film,(22 February 2019). Journal of Environmental Chemical Engineering,7 ,102983.
3. Sneha O. Pustake , Prashant K. Bhagwat , Padma B. Dandge Statistical media optimization for the production of clinical uricase from Bacillus subtilis strain SP6. (15 May, (2019) Heliyon 5 e01756
4. Komal K. Bhise, Padma B. Dandge (24 June 2019). Mitigation of salinity stress in plants using plant growth promoting bacteria, Symbiosis (IF 2.0)https://doi.org/10.1007/s13199-019-00638-y
5. Geetanjali T. Mali,Pramod J. KasabePadma B. Dandge, (2017) Statistically optimized production and characterisation of vanillin from creosol using newly isolated Klebsiella pneumoniae P27 : Annals of Microbiology 67 (11): 727–737(IF 1.5)

6. Komal K. Bhise, Prashant K. Bhagwat, Padma B. Dandge (2017) Synergistic effect of *Chryseobacterium gleum* sp. SUK with ACC deaminase activity in alleviation of salt stress and plant growth promotion in *Triticumaestivum* L. 3 Biotech, 7, 105 (IF 1.5)
7. Prashant K. Bhagwat¹ Komal K. Bhise Madhuri V. Bhuimbar Padma B. Dandge(2018) Use of statistical experimental methods for optimization of collagenolytic protease production by *Bacillus cereus* strain SUK grown on fish scales :Environmental Science and Pollution Research 11356-018-2859-4 (IF 2.8)
8. Shamkumar P. Deshmukh¹, Sajid B. Mullani¹, Valmiki B. Koli, Satish M. Patil¹, Pramod J. Kasabe, Padma B. Dandge, Sachin A. Pawar and Sagar D. Delekar Ag Nanoparticles Connected to the Surface of TiO₂ Electrostatically for Antibacterial Photoinactivation Studies Photochemistry and Photobiology, 2018, 94: 1249–1262.(IF 3.2)
9. Prashant K. Bhagwat, Padma B. Dandge. Collagen and collagenolytic proteases: A review Biocatalysts and Agricultural Biotechnology, 2018, 15: 43–55
10. Komal K. Bhise, Prashant K. Bhagwat, Padma B. Dandge (2017) Synergistic effect of *Chryseobacteriumgleum* sp. SUK with ACC deaminase activity in alleviation of salt stress and plant growth promotion in *Triticumaestivum* L. 3 Biotech, 7, 105 (IF 1.3)
11. Sanjivani B. Gajdhane, Prashant K. Bhagwat, Padma B. Dandge (2017) Response surface methodology based optimization of production media and purification of α -galactosidase in solid state fermentation by *Fusarium moniliforme* NCIM 1099. 3Biotech, 6, 260. (IF 1.3)
12. Sanjivani B. Gajdhane, Prashant K. Bhagwat, Padma B. Dandge (2016) Statistical media optimization for enhanced production of α -galactosidase by a novel *Rhizopusoryzae* strain SUK. Biocatalysis and Agricultural Biotechnology. 8, 301-309.
13. K. Sahoo V. S. Gaikwad R. C. Ranveer, Padma B. Dandge, S. R. Waghmare (2016) Improvement of shelf life of soymilk using immobilized protease of *Oerskovia xanthineolytica* NCIM 2839. 6:161-167
14. 14. Prashant K. Bhagwat, Sowmya B. Jhample and Padma B. Dandge (2016) Isolation, characterization and valorizable applications of fish scale collagen in food and agriculture industries. Biocatalysis and Agricultural Biotechnology. 7, 234-240.
15. Prashant K. Bhagwat, Sowmya B Jhample and Padma B. Dandge (2016) Purification, properties and application of a collagenolytic protease produced by *Pseudomonas* sp. SUK. RSC Advances, 6, 65222-65231 (IF 3.3).
16. Komal K. Bhise, Prashant K. Bhagwat, Padma B. Dandge (2016) Plant growth promoting characteristics of salt tolerant *Enterobacter cloacae* strain KBPD and its efficacy in amelioration of salt stress in *Vignaradiata* L. Journal of Plant Growth Regulation, 36, 215-226. (IF 2.3)
17. Sanjivani B. Gajdhane, Padma B. Dandge (2016) Production optimization, purification and characterization of the α -galactosidase from *Fusarium moniliforme* NCIM 1099. Research Journal of Life sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences, 2(1), 21-31.
18. Shinde S., Dhaygude, H., Kim, D. Y., Ghodake, G., Bhagwat, P., Dandge, P., &Fulari, V. (2016). Improved synthesis of copper oxide nanosheets and its application in development of supercapacitor and antimicrobial agents. Journal of Industrial and Engineering Chemistry, 36, 116-120. (IF 3.51)

19. Dandge, P. B., Karajagi, A. B., Bhagwat, P. K., & Bhise, K. K. (2016). Phytochemical profiling and antimicrobial potential of *santalum album*, *morindacitrifolia*, and *mucunapruriens*. *Research Journal of Life sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences*. 1 (5), 265-272.
20. K.P. Sure, P.V. Kotnis, P.K. Bhagwat, R.C. Ranveer, P.B. Dandge and A.K. Sahoo, (2016) Production and characterization of bacteriocin produced by *Lactobacillus Viridescence* (NCIM 2167), *Brazilian Archives of Biology and Technology*.59, 1-7.
21. P.B. Dandge, P. J. Kasabe, S.S. Shinde, S.S. Patil and S.D. Kalasgonda (2015) Biochemical assessment of nutraceutical from *Verbena bipinnatifida*. *Research Journal of Life sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences*.2(1),83-90.
22. Pramod J. Kasabe, Geetanjali T. Mali and Padma B. Dandge, (2015). Assessment of alkaline cholesterol oxidase purified from *Rhodococcus* sp. PKPD-CL for its halostability, detergent and organic solvent tolerance, *Protein Expression and Purification*. 116 (2015) 30–41.
23. Sowmya B. Jhample, Sanjivani B. Gajdhane, Pramod J. Kasabe, Prashant K. Bhagwat, Padma B. Dandge, (2015). Phytochemical screening and in vitro antimicrobial activity of *Tridax procumbens* L., *Research Journal of Life sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences*. 1(1), 42-51.
24. Prashant K. Bhagwat, Sowmya B. Jhample and Padma B. Dandge (2015) "Statistical medium optimization for the production of collagenolytic protease by *Pseudomonas* sp. SUK using Response Surface Methodology" *Microbiology*, 84 (4), 520-530.
25. Sowmya B. Jhample, Prashant K. Bhagwat and Padma B. Dandge (2015) "Statistical media optimization for enhanced production of fibrinolytic enzyme from newly isolated *Proteus penneri* SP-20" manuscript under review in *Biocatalysis and Agricultural Biotechnology*, 4 (3) 370–379
26. Vijay V.Kondalkar, Sawanta S.Mali, Rahul M.Mane, P.B.Dandge, Sipra Choudhary, Chang K.Hong, Pramod S.Pati, Shivajirao R. Patil, Jin H. Kim, and Popatrao N. Bhosale, (2014). Photoelectrocatalysis of Cefotaxime using nanostructured TiO₂ photoanode: Identification of the degradation products and determination of the toxicity level. *Industrial and Engineering Chemistry Research*, 53 (47), 18152-18162 (IF 2.30)
27. S. B. Gajdhane, U. A. Jadhav and P. B. Dandge, (2014). Biochemical study of α -galactosidase from cowpeas (*Vigna unguiculata*). *Indian Streams Research Journal*, IV: I,3 UIF (2.1).
28. S. B. Gajdhane, S. B. Jhample, R. M. Mane and P. B. Dandge, (2014). Purification and characterization of α -galactosidase from soybean. *Golden research thoughts*, 3 (8): UIF (2.1).
29. P. K. Bhagwat, P. J. Kasabe, S. B. Jhample and P. B. Dandge, (2013). Friendly bacteria propping up legumes development in pesticide contaminated soil. *International Journal of Pharma and Biosciences*.4 (3) (B): 356 – 364. (IF 0.67)
30. 13. Pramod J Kasabe, Pranit N Patil, Dayanand D Kamble, Padma B Dandge, (2012). Nutritional, elemental analysis and antioxidant activity of garden cress (*Lepidium sativum* L.) seeds. *International Journal of Pharmacy and Pharmaceutical Sciences*.4 (3): 392-395. (IF 1.59)
31. 14.P.B. Dandge and S.P. Govindwar, (2011). In vivo and In vitro effect of sulfamerazine on hepatic mixed function oxidase in rats. *Research Journal of Pharmacology*,5: 53-58.

32. Mane A.S. and Dandge P.B (2011). Toxic effect of Sulfamerazine on Liver and Kidney of Male Albino Rat. Indian Stream Research Journal, 1(10): 69-74.
33. P B Dandge, P J Kasabe and R M Patil, (2011). Evaluation of medicinal and nutritional components from the Eleagnus conferta fruit. Science Research Reporter 1(2): 56-60. (IF 0.388)
34. Anuradha D.Desai, Sharduli S. Kulkarni, A. K. Sahoo, R. C.Ranveer and P. B. Dandge (2010). Effect of supplementation of malted ragi flour on the nutritional and sensorial quality characteristics of cake. Advance Journal of Food Sciences and Technology. 2(1): 67-71.
35. P.B. Dandge and S.P. Govindwar, (2011). Effect of Sulfamerazine on multiple forms of cytochrome P-450 in Rats. Bioscience Discovery. 2(2): 162-166. (IF 0.388)