

**Name of the Faculty:** Dr. T. D. Nikam

**Designation:** Professor

**Date of Birth:** 10/05/1959

**Qualifications:** M. Sc. Ph.D.



**Research Interests:** Plant Physiology, Plant Tissue Culture and Biotechnology, Cyanobacterial Nitrogen Fixation, Natural Products and Enhanced secondary metabolite Production. Conservation of RET medicinal plants.

**Office Address :** Department of Botany, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, Maharashtra, India.

**ResidentialAddress:** I- Block, Teachers Quarter, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, Maharashtra, India.

**Email:**tdnikam@unipune.ac.in

**Contact No.:** (O) +91 020 25601439; Mobile 9881393837,

**List of important recent publications with Impact factor: (SCI cited journals only; Last 3 years).**

Sr. No.	Title of Paper	Authors	Name of journal, vol. no. and page nos. (year)	Impact factor
1	Influence of organic supplements on accumulation of b-boswellic acid, acetyl-b-boswellic acid, 11-keto-b-boswellic acid and acetyl-11-keto-b-boswellic acid in callus culture of <i>Boswelliaserrata</i> Roxb.	Ghorpade RP, Chopra A, Nikam TD	<i>Acta Physiologiae Plantarum.</i> 34 (6) :2275 -2283(2012) (DOI 10.1007/s11738-012-1028-5 Print ISSN: 0137-5881; Online ISSN: 1861-1664) Springer	1.639
3	<i>Sesuvium portulacastrum</i> , a plant for drought, salt stress, sand fixation, food and phytoremediation. A review.	Lokhande VH, Gor BK, Desai NS, Nikam TD, Suprasanna P	<i>Agronomy for Sustainable Development.</i> 33: 329-348 (2013) (Print ISSN: 1774-0746; Online ISSN: 1773-0155) Springer	3.330
4	Biochemical and physiological adaptations of the halophyte <i>Sesuvium portulacastrum</i> (L.) L., (Aizoaceae) to salinity.	Lokhande VH, Mulye K, Patkar R, Nikam TD, Suprasanna P	<i>Archives of Agronomy and Soil Science.</i> 59(10) 1373-1391(2013) (DOI: 10.1080/03650340.2012.712207) Taylor & Francis	0.52
5	<i>In vitro</i> propagation and production of cardiotonic glycosides in shoot cultures of <i>Digitalis purpurea</i> L. by elicitation and precursor feeding.	Patil JG, Ahire ML, Nitnaware KM, Panda P, Bhatt VP, KaviKishor PB, Nikam TD	<i>Applied Microbiology and Biotechnology.</i> 97:2379–2393(2013) (Print ISSN: 0175-7598; Online ISSN: 1432-0614) Springer	3.81

6	Effect of sodium chloride induced stress on growth, osmolyte accumulation, antioxidative defense and bacoside A content in <i>in vitro</i> regenerated shoots of <i>Bacopa monnieri</i> (L.) Pennell.	Ahire ML, Walunj PR, KaviKishor PB, Nikam TD	<i>Acta Physiologiae Plantarum</i> ..35 (6) 1943-1953(2013) DOI 10.1007/s11738-013-1233-x (Print ISSN: 0137-5881; Online ISSN: 1861-1664) Springer	1.639
7	Effect of potassium chloride and calcium chloride induced stress on <i>in vitro</i> cultures of <i>Bacopa monnieri</i> (L.) Pennell and accumulation of medicinally important bacoside A.	Ahire ML, Laxmi S, Walunj PR, KaviKishor PB, Nikam TD	<i>Journal of Plant Biochemistry and Biotechnology</i> . 22:124-131(2014) (DOI 10.1007/S13562-013-0220ISSN: 0971-7811(print version) ISSN: 0974-1275 (electronic version) Springer	1.0
9	Response of Ajowan to water stress induced by polyethylene glycol (PEG) 6000 during seed germination and seedling growth	Rohamare Y. Dhumal KN Nikam TD	<i>Journal of Environmental Biology</i> .35:789-793  <i>pISSN: 0254-8704 ; eISSN: 2394-0379</i>	0.55
11	Exploring Alternative Treatment Method for Sugar Industry Effluent Using ' <i>Spirulina platensis</i> '	Deshmane A, Nimbalkar D, Nikam TD, Ghole VS	Sugar Tech (2015) DOI 10.1007/s12355-015-0366-1 ISSN:0972-1525(print version)ISSN: 0974-0740 (electronic version)	0.496
<b>Book chapter published</b>				
12	Alkaloids Derived from Tryptophan: Harmine and Related alkaloids. In: Ramawat KG, Merrilon JM (Eds.)	Nikam TD, Nitnaware KM,Ahire ML	<i>Handbook of Natural Products. Phytochemistry, Botany, Metabolism Vol. I Alkaloids. Pp 553 – 574 (2013)</i>  DOI 10.1007/978-3-642-22144-6_20, Springer-Verlag, Berlin, Heidelberg. (Print ISBN 978-3-642-22143-9; Online ISBN 978-3-642-22144-6).	

#### Research Projects:

Sr. No.	Title of Project	Funding agency	Duration	Total Cost of the Project (in Rs.)
1	Production of Synthetic Seeds in <i>Agave sisalana</i> Per. Ex. Englem. for Reforestation in the Hilly Barren Land.	UGC	(2010-2013)	8,91,800/-
2	<i>In vitro</i> propagation and production of medicinally important metabolites of <i>Dicentra scandens</i> (D. Don) Walp in bioreactor	BCUD-SPPU	(2012-2014)	2,80,000/-
5	Isolation and characterization of anti-cancerous compound from Nostocentophytum	BCUD- SPPU	2015-2017	2,80,000/-

**Awards and Recognition:**

- ✓ Fellow (2003) of Indian Society of Agricultural Biochemist, Kanpur, India.
- ✓ Fellow (2010) of Indian Society of Plant Physiology, IARI, New Delhi, India.
- ✓ Member of Board of studies in Botany (BOS) Pune University 2012-15
- ✓ Member of Board of studies in Botany (BOS), North Maharashtra University, Jalgaon 2011-15
- ✓ Member of Research and Recognition committee (RR), Dr. Balasaheb Ambedkar Marathwada University., Aurangabad. 2012-16