

# SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI



1.	Name (Surname last)	<b>PROFESSOR (DR) NITEEN VINAY PHIRKE</b>
2.	Current Designation and Mailing Address	<b>Professor and Head, P.G. Department of Microbiology, Sant Gadge Baba Amravati University, Amravati-444602, India. Cell: +91-9822362684, E-mail: niteenphirke@sgbau.ac.in</b>

3.	Qualifications	Subjects	University	Year	School, Institute, College
	Ph.D.	Biotechnology	North Maharashtra University, Jalgaon	2002	School of Life Sciences
	M.Sc.	Microbiology	Dr. B. A. M. University, Aurangabad	1996	Govt. Institute of Science
	B.Sc.	Botany, Chemistry, Microbiology	Dr. B. A. M. University, Aurangabad	1994	Govt. College of Arts & Science

4.	Expertise diversity	<b>1. Microbiology, Biotechnology &amp; Life Sciences specifically 2. Science, Higher Education, Assessment &amp; Accreditation of HEI in general</b>
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5.	Sr. No.	Appointments	Current Employer	Since	Mode of recruitment
	1.	<b>Head</b>	<b>P. G. Department of Microbiology Sant Gadge Baba Amravati University, Amravati</b>	2018	By Virtue of Seniority
	2.	<b>Professor</b>		2015	By Career Advancement
	3.	Associate Professor		2012	By Direct Placement
	4.	Reader		2009	By Direct Selection

6.	Sr. No.	Previous Appointments	Prior Employers before joining the current host	Since	Mode of recruitment
	1.	Assistant Professor	<b>Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola</b>	2005	By Nomination
	2.	Project Scientist	<b>Industrial R &amp; D, Indian Institute of Technology, Delhi</b>	2002	By Selection

7.	Total Exp. > 24 yrs	Professorial Exp. > 5 yrs	Administrative Exp. ~ 4 yrs	Industrial Exp. ~ 7 yrs		
	a) Number of Publications		b) Major Research Projects (MRPs) undertaken			
	Sr. No.	Type	Number	Sr. No.	MRPs taken as PI, 2012-15	Agency, Budget
	1.	International Journals, Book chapters	20	1.	Terrestrial nitrification studies in the arid soils of Purna basin	UGC, 41-1134/2012 (SR), Rs.13.258 Lakhs
	2.	National Journals, Book chapters	10	2.	Submerged fermentation of sorghum grains for fermented food items	DST, SERB, SR/FT/LS-71/2010, Rs.25.4 Lakhs
	3.	Invited plenary lectures	04	d) Experience of guiding research		
	4.	Oral power point presentations	10	Sr. No.	Specialization	Years
	5.	International Conferences etc.	10	1.	Environmental Microbiology	14
	6.	National Conferences etc.	20	2.	Microbial Technology	06
	c) Number of dissertations/ theses/projects supervised			3.	Fermentation Technology	03
	Sr. No.	Dissertations/ theses/projects supervised	Number	f) Number of manuals published for Dr PDKV, Akola		
	1.	Research Scholars admitted to PhD	04	Level	Number	Subject
	2.	Students awarded with degrees on research	02	UG	02	Agricultural Microbiology
	3.	M.Sc. (Microbiology) projects	90	h) No. of Viva-voce conducted for successful evaluation		
	e) Countries visited and travel abroad through academic grants			Sr. No.	Type	Number
	Sr. No.	Grant, purpose and country	Amount	1.	For Ph.D. degree	10
	1.	ICAR-Travel Grant for Banana-2008 at Kenya	Rs.135,000/-	2.	For Master's degree	210
	g) No. of Screening-cum-evaluation and selection committees			j) No. of extension activities		
	Sr. No.	Attended as an Expert member	Number	Sr. No.	Type	Number
	1.	Selection Committees	14	1.	Academic extension activities	10
	2.	Screening-cum-evaluation Committees	08	2.	Corporate extension activities	05
	i) No. of STC/ Workshops organised/ contributed to convene			3.	MGIRI extension activities	07
	Sr. No.	Type	Number	l) No. of sessions chaired and managed at Seminars		
	1.	UGC-HRDC STC & Refresher	03	Sr. No.	Type	Number
	2.	MGIRI Short Training Program/ Entrepreneurship Development Program	08	3.	Chairing of Sessions National Level	04
	k) Major industries with which worked on a key position			4.	Managing sessions Global Level	01
	Sr. No.	Company	Designation	n) Member of Corporate Life of the Campus		
	1.	ReSource EET (Cy) Ltd., Limassol	Chief Microbiologist	Sr. No.	Corporate Life of the Campus	
	2.	Lupin Chemicals Ltd., Tarapur	Production Officer	1.	Member, Rate Recommendation Committee	
	m) Member of the major constitutional committees			2.	Coordinator, National Science Day 2019	
	Sr. No.	Major constitutional committees		3.	Convocation, NSD, Avishkar, Marathi Din	
	1.	Board of Studies (Biochemistry inclusive of Microbiology)				
	2.	Chairman, Research Advisory Committee (Microbiology)				
	3.	Chairman, Departmental Academic Integrity Panel				

8.	Products/ Kits/ Processes developed/ Technology transfer achieved				
Sr. No.	Process developed/ Technology transfer	Agency	Year	Form of Achievement	
1.	Production of healthy and delicious Porridge from Sorghum by fermentation	Sant Gadge Baba Amravati University, Amravati	2015	Development of Process and Product	
2.	Increasing the nitrogenous fertilizer use efficiency by reducing nitrification rates		2013	Development of technology	
3.	Microbial diagnostic kit for qualitative detection of microbial population in a biomanures	Indian Institute of Technology, Delhi	2004	Process Development, Technology Transfer and Demonstration	
4.	Municipal/ agricultural solid waste management using rotary drum and windrow technology	ReSource EET (Cyprus) Ltd, Limassol	2001	Process Development and Technology Transfer	
5.	An integrated, cost-effective and eco-friendly agrobiotechnology for banana cultivation	CSIR, New Delhi at SLS, NMU, Jalgaon	2000	Process and Technology Development	
6.	Successful exploration of Teak Plantation Technology for Self Reliance of NMU	School of Life Sciences, NMU, Jalgaon		Technology Development and Transfer	
7.	Indigenous fermentation technology for bioinoculants' production	Bajirao Agrotech Pvt. Ltd., Balwadi	1999	Process Development, Technology Transfer and Demonstration	

Awards/ Honours/ Recognitions/Achievements					
Sr. No.	Awards/ Honours/ Recognitions/ Achievements	Awarding/Granting Agency	Year	Form of Award	
8.	1.	Construction, commissioning and vertical expansion of New Building of the university department	Rashtriya Uchchatar Shiksha Abhiyan	2018 2021	Infrastructural facilities
	2.	Best Oral Presentation in Agricultural Biotechnology	3rd Global Sustainable Biotech Congress	2014	Cash prize, Memento
	3.	Establishment of Bioprocessing Division, MGRI	IR&D, Indian Institute of Technology, Delhi	2005	Best rural STM
	4.	Chief Microbiologist & Head, Plant's Laboratory	ReSource EET (Cy) Ltd, Limassol	2001	Tech. Transfer
	5.	Senior Research Fellowship for three years at NMU	Council of Scientific & Industrial Research, N.Delhi	2000	Financial assistance
	6.	Young Scientist Award, Nat. Sym. Plant Protection	Banaras Hindu University, Varanasi		Best Poster
	7.	Consolation Prize for Poster Presentation	Rajarshi Shahu College, Latur	1999	Certificate
	8.	Honorary Project Coordinator, BAT, Balwadi	School of Life Sciences, NMU, Jalgaon		Coordination

NAAC assessment orientation programs attended for ensuring quality education, assessment and accreditation of HEIs etc.					
Sr. No.	Training	Organiser	Year	Type of training	
9.	1.	NAAC revised accreditation guidelines and Role of IQAC in post COVID-19 era	SVP College of Engg. & Tech., Nagpur in association with NAAC, Bangalore	2020	NAAC training for accreditation of HEI ensuring quality
	2.	Revised NAAC Assessment and Accreditation Process	Sant Gadge Baba Amravati University in association with NAAC, Bangalore	2020	NAAC training for assessment and accreditation of HEI
	3.	Achieving Excellence in Higher Education	Sant Gadge Baba Amravati University, Amravati	2017	STC for offering quality education in HEI
	4.	Accreditation Awareness Workshop	Sant Gadge Baba Amravati University, Amravati	2015	Awareness programme for HEI-accreditation
	5.	Capacity Building Initiative-Teacher's Training Programme	Sant Gadge Baba Amravati University, Amravati and G. H. Raisoni Academy for Human Excellence	2012	Teacher's training for quality education

Special Academic Training Programmes attended to gain topic wise expertise					
Sr.No.	Academic Training attended	Year	Type		
11.	1.	Recent Trends in Clean Technology For Sustainable Environment (RTICT), Coimbatore Institute of Technology, Coimbatore	2018	FDP	
	2.	Application of genomics, molecular markers and transformation tools for crop improvement, CCS Haryana Agriculture University, Hisar	2005	Winter School	
	3.	Recent Trends in Characterisation of Plant Growth Promoting Organisms (PGPR), Allahabad Agricultural Institute-Deemed University, Allahabad	2004	STC	
	4.	Identification and Characterization of Contaminants in Processed Food Products: Environmental Issues, National Environmental Engineering Research Institute, Nagpur	2003	Workshop	
	5.	Business of Biotechnology: Developing Entrepreneurship, Sardar Patel University, Vallabh Vidyanagar	1999	Workshop	
	6.	Mycorrhizosphere, School Of Life Sciences, Jawaharlal Nehru University, New Delhi		Contact Program	
	7.	Basic Techniques in Mycorrhizae, Tata Energy Research Institute, New Delhi		Training	

12.	Few of the important publications about which the incumbent feel joyful to share it with the public.			
	1.	Phirke, N. V., (2016), Development of microbial diagnostic kit for qualitative detection of microbial population in a biomanures, Int. J. Adv. Res. 4(10), 1017-1021.		
	2.	Khade, P. J. and Phirke, N. V., (2015) Isolation and Characterization of Microbial Flora Associated With Traditional Wheat Fermentation in Submerged Condition, Int. J. Res. Studies Biosciences (IJRSB), 8(3): 86-90.		
	3.	Phirke, N. V., (2014), Terrestrial nitrification studies in the arid soils of Purna basin-a region specific research to arrest nitrate pollution, Asian Resonance, 3(4): 93-98.		
	4.	Phirke, N. V., (2014), Characterization of enriched cultures of nitrifying bacteria from black cotton soil of Purna basin, Int. J. Adv. in Pharmacy, Biology & Chemistry, 3(4): 860-866.		
	5.	Khade, P. J. and Phirke, N. V., (2014), Attempts to study naturally prevailing lactic acid bacteria in fermentation of steeped sorghum grains, Ind. J. App. Res., 4(9): 253-255.		
	6.	Phirke, N. V., (2014), Remunerative Microbial Strategy for Enhancing Productivity through Biotech Approach in Farmer's Favour, Int. J. of Adv. Biotechnol. Res., 5(4):605-611.		
	7.	Phirke, N. V., Mahorkar, V. K. and Kothari, R. M. (2010) Sustainable Banana (Musa spp.) Production in Tapi basin: Khandeshi farmer's livelihood, Acta Horticulturae, 879 (2): 517-525.		
	8.	Phirke, N. V., Chincholkar, S. B. and Kothari, R. M. (2008): Rhizobacteria in mycorrhizosphere improved plant health and yield of banana by offering proper nourishment and protection against diseases. Applied Biochemistry and Biotechnology, 151 (2-3): 441-451.		
	9.	Phirke, N. V. and Kothari, R. M. (2005): Conservation and recycling of banana orchard waste: the need of time for Indian banana growers. Ecology, Environment and Conservation, 11(2): 211-218.		
	10.	Phirke, N. V., Talegaonkar, S. K., Kothari, R. M. and Chincholkar, S. B. (2005): Iron chelating microbial plant protectants in banana rhizosphere. In: Basic Research and Applications of Mycorrhizae, Eds Podila, G. K. and Varma, A. (New Delhi, India: I. K. International Pvt. Ltd.), 251-258.		
	11.	Phirke, N. V., Chincholkar, S. B. and Kothari, R. M. (2005): Eco-friendly sustainable management of banana orchard ecosystem and its impact on regional development. Environmental Degradation and Management, 1: 79-87.		
	12.	Phirke, N. V., Chincholkar, S. B. and Kothari, R. M. (2005): Bioresource Management for Higher Productivity of Banana in Eco-Friendly and Cost-Effective Manner. BRI's Journal of Advances in Science and Technology, 8(1): 6-15.		
	13.	Phirke, N. V., Chincholkar, S.B. and Kothari, R.M. (2004): Applicability of fly ash is sound for rhizosphere, biomass yield, enhanced banana productivity and sustainable eco-system. In: New Horizons in Biotechnology, Eds. Roussos, S., Soccol, C. R., Pandey, A. and Augur, C. (Dordrecht: Kluwer Academic Publishers), 423-436.		
	14.	Phirke, N. V. (2004): Biotech inputs for improving the yield of banana. Infomusa, 13 (1): 37-38.		
	15.	Phirke, N. V., Chincholkar, S. B. and Kothari, R. M. (2002): Optimal exploitation of native VA-mycorrhizae for improving the yield of banana through IPNM. Indian Journal of Biotechnology, 1(2): 280-285.		
	16.	Phirke, N. V., Patil, R. P., Chincholkar, S. B. and Kothari, R. M. (2001) Recycling of Banana pseudostem waste for economical production of quality banana. Resources, Conservation & Recycling, 31(4): 347-353.		