


Faculty Profile

❖ Personal Details

Name	Dr. P. H. GHANTE	
Designation	Professor (CAS) Pay Scale: 172200	
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❖ Academic Qualifications

SN	Degree	Subject	Name of Board or University	Year of passing	Percentage or Grade	Division
iii.	B.Sc. (Agri.)	Agriculture	M.P.K.V., Rahuri	2001	08.02	First
iv.	M.Sc. (Agri.)	Plant Pathology	V.N.M.K.V., Parbahni	2003	08.49	First
v.	Ph. D. (Agri.)	Plant Pathology	V.N.M.K.V., Parbahni	2017	08.94	First Class with Distinction
vi.	NET (Plant Pathology)	Plant Pathology	ASRB, New Delhi	2013	40.00	Qualified
vii.	DOEACC "CCC"	Computer	Govt. of India	2002	B Grade	Qualified

❖ Professional Experience

Streams	Years
Research experience	15 years & 05 Months
Teaching experience	15 years & 05 Months

Area of Interest
1. Teaching to UG & PG students 2. Management of pulse diseases 3. Development of different sick plots and nursery for screening the plants against diseases 4. Hands on trainings to farmers & students related to applied Plant Pathology

❖ Research Guidance

Degree	No. of Student Guided
M.Sc.(Agri.)	12 (Twelve)
Ph.D.	03 (Three)

❖ Research Accomplishments (Recent Ten Most Important Publications)

Sr. No.	Title of Research Papers	Authors	Name of Journals	Details (year; volume and page numbers)	NASS Rating
1	Implementation of Integrated Pest Management in Pigeonpea and Chickpea Pests in Major Pulse-Growing Areas of Maharashtra	O. P. Sharma, ^{1,2} S. D. Bantewad, ³ N. R. Patange, ³ B. V. Bhede, ⁴ A. G. Badgajar, ⁴ P. H. Ghante , ⁵	Journal of Integrated Pest Management	2015; 15(1): 1-5	H-Index (18)
2	Integrated Disease Management against wilt Disease of Pigeonpea caused by <i>Fusarium oxysporum</i> sp. <i>udum</i>	P.H. Ghante ¹ , A.P. Suryawanshi ² , K.M. Kanase ³ , S.D. Somwanshi ⁴ and D.S. Thaware ⁵	International Journal of Current Microbiology and Applied Sciences	2018; 7(10): 2123-2132	5.38
3	Screening of different genotypes for identification of resistance source against pigeonpea wilt disease caused by <i>Fusarium oxysporum</i> sp. <i>udum</i>	P. H. Ghante ¹ , A. P. Suryawanshi ² , P. G. Chavan ³ , K. M. Kanase ⁴ , P. R. Zanwar ⁵	MULTILOGIC IN SCIENCE (An International Refereed, Peer Reviewed & Indexed Quarterly Journal in Science, Agriculture & Engineering)	2019; 8(28): 25-29	5.20
4	<i>In vitro</i> efficacy of fungicides against <i>FOC</i> causing wilt disease of pigeonpea	P.H. Ghante ¹ , K.T. Apet ² , P.G. Chavan ⁵	Journal of Pharmacognosy & Phytochemistry	2019; 8(1): 1927-1931	5.21
5	Studies on effect of <i>in vitro</i> co-cultivation of <i>Arachis hypogaea</i> with <i>Piriformospora indica</i> on plant growth	Tarte S H ¹ , Kareppa B M ² , Ghante P H ³ , Kadam A R ⁴ , Kharde A V ⁵	Journal of Pharmacognosy and Phytochemistry	2019; 8(2): 1854-1858	5.21

6	Exploring the Genetic Cipher of Chickpea (<i>Cicer arietinum</i> L.) Through Identification and Multi-environment Validation of Resistant Sources Against Fusarium Wilt (<i>Fusarium oxysporum</i> f. sp. ciceris)	Mamta Sharma ¹ , Raju Ghosh ¹ , S. Pithia ⁶ , P. H. Ghante ⁷ , Deyanand M. Mahalinga ⁸	Frontiers Sustainable Food System.	2019, 3(78): 1:12	H-Index (35)
7	Morphological, Cultural and Physiological Characteristics of Pathogen associated with Wilt of Gladiolus	S.S. Munde, D. N. Dhutraaj, P. B. Khaire and P. H. Ghante	International Journal of Current Microbiology and Applied Sciences	2020; special issue (11): 3719-3730	5.38
8	To evaluate <i>in vivo</i> efficacy of fungicides against Sudden Death Syndrome (wilt) of Soybean caused by <i>Fusarium oxysporum</i> f. sp. <i>virguliforme</i>	S.S. Gote, P. H. Ghante, V. S. Mete, A. A. Kamble, S. K. Deshmukh	International Journal of Chemical studies	2021; 9(1): 3281-3283	5.31
9	Management of <i>Macrophomina phaseolina</i> (Tassi.) Goid. Causing Leaf Blight Disease in Mung Bean in Maharashtra State	Pravin Babasaheb Khaire, Dilipkumar Gangadhar Hingole, Somnath Kadappa Holkar, Praphulla Hemant Ghante, S. S. Mane	Environment and Ecology	41 (2B): 1141-1148, April-June 2023 ISSN 0970-0420	5.25
10	Exploring artificial intelligence technique for detection of pigeon pea sterility mosaic disease	Pawar S Y, Ghante P H, Hingole DG, Patil L PandThomse SR	ThePharmaInnovationJournal	2023;12(8): 01-08	5.23

❖ Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	51	PopularArticles	10
Books / Booklets	02	Book Chapters	02
Recommendations	13	Varieties Developed	07
Patents	00	Abstracts Published	35
Technical Publication	07		

❖ Significant Achievements

1. Developed new wilt sick plot
2. Developed *Macrophomina* nursery (Dry root rot sick plot)
3. New technique developed for Establishment of Sterility Mosaic Nursery
4. Developing *Phytophthora* nursery at ARS, Badnapur
5. Maintain and multiplied disease resistant donors of Pigeonpea, Mungbean and Chickpea

6. New disease resistant donors of Urdbean are identified and multiplied
7. Evaluated disease resistant donors for Pigeonpea and Chickpea at National Level and also widely used those donors as parents in National Crossing Programme

❖ **CONTRIBUTION IN VARIETY RELEASED AS PLANT PATHOLOGIST: 07**

Sr. No.	Year	Release of Varieties	Research Recommendations	Resistant to
1	2010	BM 2003-2 (Mungbean)	State Release	Moderately resistant to Powdery mildew disease
2.	2011	BDN 711 (Pigeonpea)	State Release	Resistant to sterility Mosaic disease
3.	2013	BDNGK 798 (Chickpea)	State Release	Moderately resistant to wilt
4.	2014	BDNGK 798 (Chickpea)	Project Release	
5.	2015	BDN716 (Pigeonpea)	State Release	Resistant to wilt and sterility Mosaic disease
6	2021	BDN 2013-41 (Godawari)	State Release	Resistant to wilt and sterility Mosaic disease
7	2022	BDN 2013-2 (Renuka)	State / Project Release	Resistant to wilt and sterility Mosaic disease

❖ **RESEARCH PROJECTS: 03**

1. *Acted as Principal Investigator in All India Co-ordinated Research Programme since 2019 to May, 2023 for Pigeonpea Pathology*
2. *Co-PI in the project entitled 'Pests and disease dynamics in relation to climate change' under National Initiative Climate Resilient Agriculture Real time pest Surveillance on Pigeonpea submitted by, National Centre for IPM, New Delhi during 2011-12.*
3. *Acted as Co-PI in the project entitled 'Increasing Chickpea and Pigeonpea production through intensive application of Integrated Pest Management' as a member of crop protection group. submitted by National Centre for IPM, LBS building, Pusa campus, New Delhi-110012 during the years 2010-2011, 2011-2012 and 2012-2013.*

❖ **Awards /Recognitions: 02**