



<b>Name</b>	<b>Dr. Pushendra Singh</b>
<b>Designation</b>	Head of Department & Associate Professor
<b>Area of specialization</b>	Plant Pathology & Mycology
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### Educational Qualifications

Degree	Discipline	Year of Passing	University	Remarks
<b>Ph. D</b>	Plant Pathology	2005	SDAU, Sardarkrushinagar	Research on Castor wilt
<b>M.Sc. Ag.</b>	Plant Pathology	1997	MPUAT, Udaipur	Research on Downy mildew of Isabgul
<b>B.Sc. Ag. (Hons)</b>	Agriculture	1994	MPUAT, Udaipur	

### Service Experience

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1.	Main Castor Mustard Research Station, GAU/SDAU, Sardarkrushinagar	Senior Research Fellow	6.0 years	Worked on NATP Project Screening and Breeding against wilt of castor & Network Project on Variability on <i>Fusarium oxysporium</i> f.sp. <i>ricini</i>
2.	KVK, NAU, Navsari	SMS Plant Protection	2.0 years	Extension work
3.	Main Sugarcane Research Station, NAU, Navsari	Assistant Research Scientist	2.5 years	Sugarcane AICRP Pathologist
4.	ACHF, NAU, Navsari	Assistant Professor	1.5 years	UG & PG Teaching
5.	ASBI, NAU, Surat	Associate Professor	2.5 years	UG Teaching
6.	Experimental Research Station, NAU, Paria	In charge, AICRP-Fruit (Mango)	2.5 years	Officer In charge AICRP- Fruit (Mango)
7.	College of Agriculture, NAU, Waghai, Dang	Associate Professor	3.0 years (From 01/09/2017 to continue.....)	Head of Department & Associate Professor, UG Teaching

### Number of Seminar/Symposia/Workshop/Training attended

	State	National
Seminar	02	02
Symposia/ Conference	03	05
Workshop	05	05
Training	05	04

### Number of Publications

Research publications in International journal	03
Research publications in National journal	11
Popular articles & book chapters	08
Radio & TV talk	02
Recommendations	05

## Academic Achievements

Qualified National Eligibility Test – 2001 in Plant Pathology, conducted by Agricultural Scientists Recruitment Board, ICAR, New Delhi

## Research projects handled (finished/ongoing)

Sr. No.	Project Title	PI/Co-PI	Funding agency	Year of approval	Status
1.	Holistic development of 11 taluka of Navsari district	Co-PI	RKVY	2008-09	-
2.	Evaluation of biofertilizer of Pramukh agri clinic in Sugarcane	PI	Other agency	2009	-
3.	Establishment of center of excellence on mushroom research	PI	RKVY	2017	Con-ti...

## Number of Masters & Ph. D students guided

	Masters	Ph.D
As Chairman	12	01
As Co-chairman / advisory committee	10	02

## Other Responsibility (Current):

- ◆ Chief Rector, College of Agriculture, Waghai
- ◆ Vice Chairman: Student Representative Committee



## Mr. Rajendrakumar P Bambharolia

Assistant Professor (Microbiology)

[rpbmicro@nau.in](mailto:rpbmicro@nau.in)

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### Educational Qualification

Degree	Discipline	Year of Passing	University
M. Sc.	Microbiology	2008	Sardar Patel University
B. Sc.	Microbiology	2006	Sardar Patel University

### Service Experience till date

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1	Amsal Chem Pvt. Ltd., Ankleshwar	Microbiologist	6 Month	Analysis of Samples
2	Unimark Remedies Ltd., Bavla, Ahmedabad	Chemist	9 Month	Analysis of Samples
3	Department of Biotechnology Junagadh Agricultural University, Junagadh	Senior Research Fellow	1 Year 5 Month	Research
4	Department of Biotechnology Junagadh Agricultural University, Junagadh	Research Associate	1 Year 4 Month	Research

5	College of Agriculture, Navsari Agricultural University, Waghai	Assistant Professor	3 Year 10 Month	Teaching, Research and Extension
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### Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue	Date	Topic
Symposia	1	Goa University, Goa	5-7 <sup>th</sup> October, 2016	Challenges to Plant Pathologists under Changing Disease Scenario
Training	1	GBPUAT, Pantnagar	04-24th February, 2016	Plant Disease Management: Strategies in Changing Agro- ecosystem
Seminar	4	Anand Agricultural University, Anand	15-16 <sup>th</sup> October 2015	Emerging Trends in Food Quality and Safety
		Navsari Agricultural University, Navsari	9-10 January 2014	Role of Organic Farming in Climate Resilient and Sustainable Agriculture
		Anand Agricultural University, Anand	18th may 2015	Pesticides Management:Present status and future
		Navsari Agricultural University, Navsari	11th June, 2016	Plant Protection in Organic Farming

## Publications

S.No.	Publications	No. of Publications
4.	Research Paper National Journal	3
5.	Research Paper Inter National Journal	2
6.	Workshop / Seminar / Symposia Proceedings	2

## Research projects handled

Sr. No.	Project title	PI/Co-PI	Level (Departmental/planned)	Year of approval	Status
1	Isolation and characterization of endophytic bacteria from Finger millet	PI	Departmental	2013	Ongoing

## Details of Publications

### Research Papers

1. H. P. Gajera, **R. P. Bambharolia**, Rinkal K. Domadiya, S. V. Patel & B. A. Golakiya 2014: Molecular characterization and genetic variability studies associated with fruit quality of indigenous mango (*Mangifera indica* L.) cultivars. *Plant Syst Evol.* 300. 1011–1020.
2. H.P. Patel, S.G. Savalia, H.R. Ramani, **R.P. Bambharolia**. 2015: Evaluation of soil constraints and soil-site suitability of cotton in different landforms of Meghal Irrigation Command area of southern Saurashtra region of Gujarat. *New Agriculturist.* 26(1). 171–176.
3. H. P. Gajera, **R. P. Bambharolia**, Darshna G. Hirpara, S. V. Patel and B. A. Golakiya. 2015: Molecular identification and characterization of novel *Hypocrea koningii* associated with azo dyes decolorization and biodegradation of textile dye effluents. *Process Safety and Environmental Protection.* 98. 406-416.
4. Sanghani A.O., Vaja M.B., Ramani H.R., Vadher K.J., Sanghani J.M., **Bambharolia R.P.**, Garaniya N.H. and Golakiya B.A. 2016: QTL Mapping for Downy Mildew Resistance in Pearl Millet (*Pennisetum glaucum* (L.) R. Br.). *Research Journal of Biotechnology.* 11 (4). 109-116.
5. Ramani, H. R., **Bambharolia, R. P.**, Sanghani, A. O. and Mandavia, M. K. 2016: Effect of higher temperature on leaf anatomy of heat tolerant and heat susceptible wheat genotypes (*triticum aestivum* L.) By scanning electron microscopy. *Journal of Cell and Tissue Research.* 16(2). 5679-5684.

## Seminar Proceedings

1. N.H. Garaniya, A. H. Bapodra and **R. P. Bambharolia**. 2015: Phytochemical study of red *Abrus precatorius* L. using GC-MS. National Seminar on “**Emerging Trends in Food Quality and Safety**” at Anand organized by College of food processing technology and bioenergy, Anand Agricultural University, Anand, on October 15-16, 2015

## Symposium

1. **R. P. Bambharolia**, V. P. Prajapati and D. M. Damasia. 2016: Antagonism of *Trichoderma* spp. against *Macrophomina phaseolina*: Evaluation of Coiling and Cell Wall Degrading Enzymatic Activities. National Symposium on “Challenges to Plant Pathologists under Changing Disease Scenario” at Goa University, organized by the Indian Society of Plant Pathologists from 5-7<sup>th</sup> October, 2016.



## Dr. Deshmukh Amol Jagannath

Assistant Professor (Plant Pathology)

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### Educational Qualification

Degree	Discipline	Year of Passing	University
<b>B.Sc. (Agri.)</b>	Agriculture	July-2007	MAU., Parbhani
<b>M.Sc. (Agri.)</b>	Plant Pathology	July-2009	NAU., Navsari
<b>Ph.D.</b>	Plant Pathology	August-2012	NAU., Navsari
<b>Computer Courses</b>	DOEACC)	June-2008	DOEACC Society, New Delhi
	DOEACC <sup>+</sup>	May-2014	DOEACC <sup>+</sup> Society, New Delhi
<b>NET</b>	Plant Pathology	February-2013	ASRB., New Delhi

### Service Experience till date

Sr. No.	Institute/Office	Designation	Period		No. of years served	Job profile
			From	To.		
1	College of Polytechnic in Agriculture, NAU, Waghai	Assistant Professor	26/08/15	Cont.	1 year 4 months	Teaching and Research
2	College of Horticulture, S.D.A.U., S. K. Nagar	Assistant Professor	04/03/14	25/08/15	1 year 5 months	Teaching and Research
3	Dept. of Plant Pathology, N. M. College of Agriculture, NAU., Navsari	Research Associate (RA)	24/07/12	03/03/14	1 year 8 months	Research and Extension
4	Dept. of Plant Pathology, N. M. College of Agriculture, NAU., Navsari	Senior Research Fellow (SRF)	17/11/11	23/07/12	8 months	Research and Extension
5	Food quality testing Laboratory, NAU, Navsari	Senior Research Fellow (SRF)	29/06/09	31/03/11	1 year 8 months	Research and Extension

### Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue	Date	Topic
Conference	2	St. Xaviers College Palayamkottai	28-30/11/2011.	Biopesticide
		NAU, Navsari	28-31/05/2014	Global conference on technological challenges and human resources for climate smart horticulture-issues and strategies
Symposia	1	NAU, Navsari	21-23/12/2013	Crop disease management: Advances and challenges
Workshop	4	NAU, Navsari	21-24/04/2012	Youth Empowerment and Skills workshop YES <sup>+</sup>
		AAU, Anand	14-16/12/2010	Perspective in the Plant Health Management
		AAU, Anand	15-17/02/2015	Effect of Bt transgenic crop on non target organism
		CAW, Waghai	30/11/2016	Bioprospecting and its role in women empowerment and societal upliftment in tribal area

<b>Training</b>	4	KVK, Tuljapur	4-25/8/2006	Soil and water analysis
		RCOF, Nagpur	11-15/03/2013	Production and Quality control of organic Inputs
		NAU, Navsari	April- June 2010	Mass production of biofertilizers
		CAW, Waghai	14-15/03/2016	Leadership and enterpreunership developement
<b>Seminar</b>	4	KVK, Waghai (The Dangs)	13/12/2009	Sustainable Development of Tribal areas through integrated and ecofriendly approaches
		IABM, Navsari	09/03/2010	Bioinformatics and Data Mining
		Central Libraray, NAU, Navsari	17/09/2011	Role of library in digital era
		NAU, Navsari	28/12/2013	Plant protection in nurseey and protected cultivation

### Awards & honors

1. GAAS best PhD Thesis award (2016) Best PhD thesis Research in Plant Pathology Discipline in GAU, Gujarat for the year 2012
2. Chancellor Gold Medal (2014) for securing Highest OGPA and Best thesis Research in overall PhD disciplines in Agriculture, Horticulture and Forestry of NAU., Navsari of the year 2012
3. First award in oral presentation of research paper (2011) (Evaluation of agri. Substrates for mass multiplication of *Trichoderma* sp.) In 3<sup>rd</sup> Biopesticides International Conference (BIOCICON-2011) held at St. Xaviers College (Autonomous), Palayamkottai-627 002, Tamil nadu India. 28-30 November 2011.
4. First award in Poster presentation (Screening of Varieties and Germplasms against anthracnose of Indian bean) In 3<sup>rd</sup> Biopesticides International Conference (BIOCICON-2011) held at St. Xaviers College (Autonomous), Palayamkottai-627 002, Tamil nadu India. 28-30 November 2011.
5. Late Dr. H.U.Joshi Gold medal (2010) for securing Highest OGPA in Plant Pathology at M.Sc. (Agri.) study of NAU., Navsari for the year 2009

### Publications

S.No.	Publications	No. of Publications
7.	Research Paper National Journal	04
8.	Research Paper Inter National Journal	09
9.	Popular Paper	01
10.	Workshop / Seminar / Symposia Proceedings	10
11.	Books	1

**No of Professional Societies Membership :**

**03**



## Research projects handled

Sr. No.	Project title	PI/Co-PI	Level	Year of approval	Status
1.	Isolation and characterization of endophytic bacteria from Finger millet	Co-PI	Departmental	2014	ongoing
2.	Efficacy of fungicides and bioagents as seed treatment as well as foliar spray for the control of blast disease of finger millet	Co-PI	Departmental	2014	ongoing
3.	Evaluation of finger millet ( <i>Eleusine coracana</i> L. Gaertn.) germplasm for resistance to blast disease on the basis of biochemical parameters.	Co-PI	Departmental	2014	ongoing
4.	Screening of vari germplasm for resistance against blast disease.	PI	Departmental	2015	ongoing

## Details of Publications

### International journal

1. **A.J.Deshmukh**, B.P.Mehta and V.A.Patil.(2010).Evaluation of some botanicals *in vitro* against *Colletotrichum gloeosporioides* causing anthracnose of Indian bean.,*Green Farming* **1**(4) :427-428.(NAAS-2.3)
2. **A.J.Deshmukh**, B.P. Mehta and V.A.Patil (2010) *In vitro* evaluation of some known bioagents to control *Colletotrichum gloeosporioides* Penz. and Sacc., causing anthracnose of Indian bean. *International journal of Pharma and Bio Sciences*. **1**(2) :1-6.(ISSN Journal)
3. M.G.Yelmame, B.P. Mehta, **A.J.Deshmukh** and V.A.Patil (2010) *In vitro* evaluation of some organic extracts and botanicals to control *Fusarium solani* causing Chilli wilt. *Green Farming* **1**(6) :638-640. .(NAAS-2.3)
4. V.A.Patil. B.P.Mehta and **A.J.Deshmukh** (2010) *In vitro* evaluation of some bioagents to control *Phoma tropica*, causing leaf spot of Indian bean., *Green Farming* **1**(5) :515-517. .(NAAS-2.3)
5. V.A.Patil. B.P.Mehta and **A.J.Deshmukh** (2010) Field evaluation of different fungicides against *Phoma* leaf spot disease of Indian bean. *International journal of Pharma and Bio Sciences*. **1**(2) :1-5. (ISSN Journal)
6. M.G.Yelmame, B.P. Mehta, **A.J.Deshmukh** and V.A.Patil (2010) Evaluation of some organic extracts in *In vitro* to control *Fusarium solani* causing Chilli wilt. *International journal of Pharma and Bio Sciences*. **1**(2) :1-4. .(ISSN Journal)
7. **A.J. Deshmukh** and V.H. Surve (2011). Preparation of Neem Biopesticides : need of sustainable Agriculture at farm level.*International Journal of Forestry and crop improvement*.**2**(1) :95-98. .(ISSN Journal)
8. **A.J.Deshmukh**, A.N.Sabalpara, V.P. Prajapati and M.S.Shinde(2016) *In vitro* Investigation of Seed biopriming in Green gram . *IJIRMF* **2**(9):262-265.

9. **A.J.Deshmukh**, A.N.Sabalpara, V.A. Patil and V.P. Prajapati (2016) Isolation and identification of Seed-Borne Fungi in Green gram Seeds *IJIRMF* 2(10):108-111.

#### **National Journal**

1. **A.J.Deshmukh**, B.P. Mehta, A.N. Sabalpara and V.A.Patil (2012) varietal screening of Indian bean (*Lablab purpureus* L.) against anthracnose in field condition in south Gujarat. *BIOINFOLET*:9 (4B):683-84
2. **A.J.Deshmukh**, B.P. Mehta, A.N. Sabalpara and V.A.Patil (2012) "In vitro effect of various nitrogen, carbon sources and pH regimes on the growth and sporulation of *Colletotrichum gloeosporioides* Penz. and Sacc causing anthracnose of Indian bean.*JBiopest*, 5 (Supplementary): 46-49.
3. **Deshmukh A.J.**, Sabalpara, A.N., and Waghunde, R.R. (2015). Detection and location of endophytic fungi in green gram seed. *Bioinfolet*, **12** (2A):384-38
4. **Deshmukh A.J.**, Sabalpara, A.N. and Shinde M.S. (2015).Impact of seed infecting fungi on seed heath status of Green gram. *Bioinfolet*, **12** (2A):388-389

- **Technical articles :As senior author**

**A.J.Deshmukh** and A.N.Sabalpara (2011) Village level preparation of neem biopesticides for sustainable agriculture. *Agrobios News letter*. **10**(5) :27-29.(ISSN )

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