

Department of Plant Pathology

Sr. No.	Name	Designation
1	Dr. Viral P. Prajapati	Assistant Professor & Head
2.	Prof. Rajendra P. Bambharoliya	Assistant Professor
3.	Dr. Amol J. Deshmukh	Assistant Professor



Dr. Viral P Prajapati

Assistant Professor (Plant Pathology)

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Educational Qualification

Degree	Discipline	Year of Passing	University
M.Sc	Plant Pathology	2010	Navsari Agricultural University
Ph.D	Plant Pathology	2013	Navsari Agricultural University

Service Experience till date

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1.	Navsari Agricultural University	Assistant Professor	3.5 years	Teaching, Research and Extension
2.	Navsari Agricultural University	Senior Research Fellow	1 year	Research and Extension

Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue	Date	Topic
Conference	3	<ol style="list-style-type: none"> 1. 35th Annual conference and symposium of ISMPP on Innovative and Eco friendly Research Approaches for Plant Disease Management, January 8-10, 2014 held at Dr. PDKV, Akola. 2. Global conference on Technological Challenges and Human Resources for Climate Smart Horticulture - Issue and Strategies, May 28-31, 2014 held at NAU, Navsari. 3. Attended 36th Annual Conference and National Symposium on Challenges and Management Approaches for crop diseases of National Importance-status and prospects. Feb 12-14, 2015, Organized by TNAU, Madurai, Tamil Nadu 		
Workshop	1	<ol style="list-style-type: none"> 1. Attended All India Co-ordinated Small Millets Improvement Project Workshop organized at NAU, Waghai on 29-31st March, 2015. 		
Training	2	<ol style="list-style-type: none"> 1. Participated in the training programme on Leadership and entrepreneurship development organized by national council for climate change, sustainable development and public leadership (NCCSD) on 14th & 15th March, 2016 at CAW, NAU, Waghai(Dangs). 2. Craft training programme on: Plant disease management :strategies in changing agro-ecosystem from 04 – 24th February, 2016 organized at GBPAUT, Pantnagar, Uttarakhand. 		

Seminar	3	<ol style="list-style-type: none"> 1. Attended the State level Seminar on Fal, Shakhbaji and Telibiyama Pak Sanrakshan held at Junagadh Agricultural University, Junagadh on 20th September-2013. 2. Attended One day state level seminar on “Mari-Masala Pakoma Pak Sarnksan” organized by Plant Protection Association of Gujarat and Sardarkrushinagar Dantiwada Agricultural University held at SDAU, Sardarkrushinagar during 11th October, 2014 3. Attended the State level Seminar on Plant Protection in Organic Farming held at Navsari Agricultural University, Navsari on 11th June-2016.
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Academic Achievements

Gold Medal	Dr. H. U. Joshi Gold Medal for securing highest overall grade point average in the subject of Plant Pathology.
Ph.D. Student Award	PR Verma Ph.D. Student Award for West Zone Competition organized by Indian Society of Mycology and Plant Pathology, Udaipur (Raj.)

Publications

S.No.	Publications	No. of Publications
1.	Research Paper Inter National Journal	9
2.	Extension Bulletin	1
3.	Books	1

No of Professional Societies Membership : -

3

Research projects handled

Sr. No.	Project title	PI/Co-PI	Level	Year of approval	Status
1	Isolation and characterization of endophytic bacteria from	Co-PI	Departmental	3	ongoing

	Finger millet				
2	-Efficacy of fungicides and bioagents as seed treatment as well as foliar spray for the control of blast disease of finger millet	PI	Departmental	3	ongoing
3	Evaluation of finger millet (<i>Eleusine coracana</i> L. Gaertn.) germplasms for resistance to blast disease on the basis of biochemical parameters.	PI	Departmental	3	ongoing
4	Screening of vari germplasms for resistance against blast disease	Co-PI	Departmental	3	ongoing
5	Biological management of Paddy Blast	Co-PI	planned	3	ongoing
6	Evaluation of fungicide for the management of false smut	Co-PI	planned	3	ongoing

Details of Publications

International Journal: Three paper (9)

1. **V. P. Prajapati**, A. N. Sabalpara and D. M. Pawar (2013.) Assessment of Yield Loss due to finger millet blast caused by *Pyricularia grisea* (Cooke) Sacc. *Trends in Bioscience*. **6**(6):876.
2. **V. P. Prajapati**, A. N. Sabalpara and D. M. Pawar (2013). Effect of blast *Pyricularia grisea* (Cooke) Sacc disease on finger millet crop phenology. *Trends in Bioscience*. **7**(1): 1025.
3. R. f. Chaudhary, **V. P. Prajapati**, Prashant Sandipan and K.N. Chaudhari(2015). Efficacy of Fungicides on Uredospores Germination of Leaf Rust of Wheat. *Trends in Biosciences* 8(11): 2735-2738.
4. Kansara S. S, Joshi D. M and Prajapati V. P. (2016) Drechslera state of *Trichometaspeira holmii* –New Record as an Incitant of Heliconia Leaf Blight in India. *Advance in Life Sciences* 5(7):2654-2658.

5. R.f. Chaudhary, **V. P. Prajapati**, Sandipan Prashant, F.K. Chaudhary and M. G. Chaudhary (2015). Antifungal Activity of Plant Extracts on Uredospores Germination of Leaf Rust of Wheat *Trends in Biosciences* 8(11): 2739-2742.
6. D. M. Pawar, A. N. Sabalpara, **V. P. Prajapati** and P.M. Yadav (2014). Study of Loss Assessment of Grain and Fodder Yield of Finger Millet against Foot Rot (*Sclerotium rolfsii* Sacc.) Disease. *Trends in biosciences*. 7(21):3354-3355.
7. D. M. Pawar, A. N. Sabalpara, **V. P. Prajapati** and P.M. Yadav (2014). *In Vitro* Evaluation of Phytoextracts on the Growth of *Sclerotium rolfsii* Sacc. causing Foot Rot Disease in Finger Millet Crop. *Trends in biosciences*. 7(21): 3356-3358.
8. A.J.Deshmukh, A.N.Sabalpara, **V.P. Prajapati** and M.S.Shinde(2016) *In vitro* Investigation of Seed bioprimer in Green gram . *Int. J. Innov. Res. Multi.Field* 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 *Int. J. Innov. Res. Multi. Field* 2(10):108-111.

Abstract paper presented: (5)

1. **V.P. Prajapati**, A.N. Sabalpara, D.M. Pawar, D.H.Tandel, J.R.Pandya and R.F. Chaudhary. (2014). Assessment of Yield Loss due to Finger Millet [*Eleusine coracana* (L) Gaertn.] Blast Caused By *Pyricularia grisea* (Cooke) sacc". **(Paper presented in 35th annual conference and symposium on "Innovative and Ecofriendly Approaches for Plant disease Management" from January 8-10,2014 held at Akola).**
2. **V. P. Prajapati** and A. N. Sabalpara (2014). Epidemiology and Management of Blast (*Pyricularia grisea*) of finger millet *Eleusine coracana* (L.) Gaerton). **(Paper presented in P R Verma Award Competition for Ph D student at 35th annual conference and symposium on "Innovative and Ecofriendly Approaches for Plant disease Management" from January 8-10,2014 held at Akola).**
3. D. H. Tandel, A. N. Sabalpara, J. R. Pandya and **V. P. Prajapati** (2014). Seed mycoflora study on green gram (*Phaseolus aureus* Roxb.) (Paper presented in 36th Annual Conference and National Symposium on Challenges and Management Approaches for crop diseases of National Importance-status and prospects. Feb 12-14, 2015, Organized by TNAU, Madurai, Tamil Nadu.)
4. **Prajapati V. P**, Joshi D.M. and Sabalpara A.N. (2014). Evaluation of Fungicides Against Leaf Tip Blight of Spider Lilly **(Poster paper presented in Global conference on technological challenges and human resources for climate smart horticulture May 28-31, 2014 Organized by ASPEE College of Horticulture and Forestry, NAU, Navsari)**
5. **Prajapati V. P** and Sabalpara A.N. (2014).Epidemiology and management of blast disease of finger millet. **(Paper presented in Global conference on technological challenges and human resources for climate smart horticulture May 28-31, 2014 Organized by ASPEE College of Horticulture and Forestry, NAU, Navsari)**

Book:

1. "Small millets in Tribal Belt of Gujarat" Published in workshop of All India Co-ordinated Small Millets Improvement Project organized at NAU, Waghai on 29-31st March, 2015.



Mr. Rajendrakumar P Bambharolia

Assistant Professor (Microbiology)

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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 th October, 2016	Challenges to Plant Pathologists under Changing Disease Scenario
Training	1	GBPUAT, Pantnagar	04-24 th February, 2016	Plant Disease Management: Strategies in Changing Agro- ecosystem
Seminar	4	Anand Agricultural University, Anand	15-16 th 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	18 th may 2015	Pesticides Management:Present status and future
		Navsari Agricultural University, Navsari	11 th 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 5-7th October, 2016.



Dr. Deshmukh Amol Jagannath

Assistant Professor (Plant Pathology)

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Educational Qualification

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

Training	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
Seminar	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 nursely 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 3rd 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 3rd 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.) germplasms for resistance to blast disease on the basis of biochemical parameters.	Co-PI	Departmental	2014	ongoing
4.	Screening of vari germplasms 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 *IJRMF* 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)
