

**MAHATMA PHULE KRISHI VIDYAPEETH, RAHURI**  
**RAJARSHEE CHHATRAPATI SHAHU MAHARAJ COLLEGE OF AGRICULTURE, KOLHAPUR**  
**INFORMATION OF PLANT PATHOLOGY SECTION**

**Publication details (Staff and students) Year 2018 onwards**

<b>Sr. No.</b>	<b>Name of the Author</b>	<b>Year of Publication</b>	<b>Title of Publication</b>	<b>Name of Publisher/Journal</b>	<b>Volume and Page No.</b>	<b>Citation</b>
1.	<b>Patil V. S.,</b> H.D.Indore.,V.K.Garande.,S.S.Dhumal., D.R.Padgaonkar., and P.N.Sonawane.	2016	Effect of Packing Material and storage conditions on shelf life and Quality of Okra.	International Journal of Advance Research.	4(11) 257-265	-
2.	<b>Patil V. S.,</b> Ghodake N. B., Patil K. B., Nale V. N. and Pandav M. R.	2018	Evaluation of sugarcane genotypes for yield and quality characters under flood conditions at Kolhapur	Contemporary Research In India.	Special Issue Jan, 2018 : 86-88	-
3.	<b>Patil V. S.,</b> Ghodake N. B.,Patil K. B., Nevkar G. S. and Gaikwad B. G.	2018	Evaluation of promising early maturing sugarcane genotypes in southern Maharashtra	Contemporary Research In India.	Special Issue Jan, 2018 : 93-95	-
4.	<b>Patil V. S.,</b> Nale V. N.,Kankal V. Y., Pandav, M. R., Nevkar G. S., Pisal A. A., and Gaikwad B. G.	2018	Effect of flood condition on growth, yield and quality parameters of different varieties of sugarcane in south Maharashtra	Contemporary Research In India.	Special Issue Jan, 2018 : 89-92	-
5.	<b>Patil V.S.,</b> Argade M. B., Kadam J. H., Garande V. K., Patgaonkar D. Rand Sonawane P. N.	2018	Effect of different shading intensities on growth and yield of cherry tomato	Journal of Applied and Natural Science.	10 (1) : 352 – 357	-

6.	<b>Patil V.S.</b> , Kumbhar C.T, Navadkar P.D.	2018	<i>Gluconoacetobacter diazotrophicus</i> and <i>Herbaspirillum seropedicae</i> co-inoculation improves growth and yield of sweet corn ( <i>Zea mays L. Var. Saccharata</i> ).	International Journal of Agriculture Sciences.	10(18) : 7119-7122	-
7.	<b>V.S.Patil.</b> ,P.U.Pawar, C.T.Kumbhar, and G.G.Khot	2018	Effect of co-inoculation of <i>Bradyrhizobium</i> and <i>Pseudomonas fluorescens</i> on growth, yield and nutrient uptake in soybean ( <i>Glycine max.L.</i> ) Merrill	Crop Research.	53 (1&2): 57-62	-
8.	<b>Patil V.S.</b> , Ghodke N.B, Deshmukh D.P., Mahajan S.B, Karade V.M and Khot G.G.	2019	Evaluation of sugarcane genotypes for Resistance to smut caused by <i>Ustilago scitaminea</i> syd.	NCOSA Conference Proceeding.	274-277	-
9.	<b>Patil V.S.</b> , Sunita J.Waghmare., Sayali Joshi., V.V.Patil	2020	Evaluation of fungicides and bioagents against <i>Fusarium solani</i> incitant of wilt disease of gladiolus.	International Journal of Plant Science	15(1) : 29-33	-
10.	<b>Patil V.S.</b> , R.M.Garkar, N.B.Ghodke and A.A.Pisal	2018	Response of New Sugarcane Varieties to water lodging Stress under changing climate.	International conference on Doubling Farmers Income through Innovative Approach Souvinir	54	-
11.	<b>Patil V.S.</b> , S.D.Ambhure, S.A.Shewale, P.R.Nakhate and M.S.Barge	2021	Effect of growth regulators on yield of oyster mushroom ( <i>Pleurotus sajor-caju</i> )	The Pharma Innovation International Journal	Volume : 10(1) 403-405	-

12.	<b>Patil V.S.</b> , Shewale Shradha Ashok, S.J.Waghmare,D.P.Deshmukh and M.S.Barge	2021	Co-inoculation effect of <i>Acetobacter diazotrophicus</i> and phosphate solubilizing fungus on growth parameters in sorghum ( <i>Sorghum bicolor</i> )	The Pharma Innovation International Journal	Volume 10: 412-414	-
13.	Sarnobat D.H., <b>S.J. Waghmare</b> , R.U.Thosar and K.C.Gagare	2019	Effect of sowing dates on incidence of rust and yield of Soybean	Progressive Research An International Journal.	Volume 14(1) :81-82	-
14.	<b>S.J. Waghmare</b> Aruna Dhodi, and D.H.Sarnobat	2019	Evaluation of local isolates of <i>Trichoderma</i> spp. against <i>Macrophomina phaseolina</i> .	International Journal of Universal Science and Technology	Volume: 05 No.01 : 41-45.	-
15.	P.D.Mahajan, <b>S.J. Waghmare</b> and D.M.Sawant	2019	Occurrence of Post harvest diseases of Bananas in Maharashtra .	Journal of Innovation in Life Sciences for Sustainable Development.	80-84	-
16.	P.D.Mahajan, D.M.Sawant and <b>Sunita J. Waghmare</b>	2019	Association of different fungi with Post harvest diseases of Bananas .	Journal of Innovation in Life Sciences for Sustainable Development	69-73	-
17.	<b>Sunita J. Waghmare</b> , Sayali Joshi, Dipti Waghddhar and Pallavi Suryawanshi	2020	Screening of Gladilous varieties and hybrid lines against <i>Fusarium</i> wilt	Journal of Plant Diseases Sciences.	Volume :15 (2) 186-188.	-

18.	<b>Sunita J.Waghmare</b> , Sayali Joshi, V.V.Patil and V.S.Patil	2020	Evaluation of fungicides and bioagents against <i>Fusarium solani</i> incitant of wilt disease of Gladiolous	International Journal of Plant Sciences	Volume:15 (Issue-1): 29-33	-
19.	Shewale Shraddha Ashok, V.S.Patil , <b>S.J.Waghmare</b> D.P.Deshmukh and M.S.Barge,	2021	Co -inoculation effect of <i>Acetobactor diazotrophicus</i> and phosphate solubilizing fungus on growth parameters in Sorghum ( <i>Sorghum bicolor</i> ).	The Pharma Innovation Journal	Volume : 10 (Issue 1):412-414	-
20.	Dipti Waghdhare, Dhanashree Desai, <b>Sunita Waghmare</b> , Tai Deokate and Pramod Jagtap	2021	Soil available phosphorus as influenced by manures and levels of phosphorus in calcareous soil	Frontiers in Crop Improvement	Volume 9: 750-753 (Special Issue 3)	-
21.	Mangesh Raut <b>Sunita J.Waghmare and</b> D.P.Deshmukh	2021	Effect of <i>Azotobactor</i> and Phosphate solublizing fungi on growth and yield of chilli ( <i>Capsicum annum</i> L.)	The Pharma Innovation Journal	Volume : 10 (Issue 12):1950-1953	-
22.	<b>Sunita J.Waghmare</b> , Mangesh Raut and V.M.Karade	2022	Influence of <i>Azotobactor</i> and Phosphate solublizing fungi on growth and yield of <i>Capsicum annum</i>	International Journal of Current microbiology and applied sciences	Volume: 11(No.1):1-7	-
23.	<b>R.A.Karande</b> , R.A. Raut, Pushpa D. Patil. A.S.Dhane, M.B. Dalvi	2019	Integrated management of fruit drop in sapota ( <i>Manilkara zapota</i> )	International Journal of Chemical Studies	Volume: 7(3):4249-4252	-
24.	<b>R.A.Karande</b> , D.T Khedkar, P.G Borkar, R.A. Raut, V.M.Karade	2020	Integrated management of blast disease of rice	International Journal of Chemical Studies	Volume: 8(4):3158-3159	-
25.	<b>R.A.Karande</b> , D.T.Khedkar, P.G. Borkar, R.A. Raut,	2020	Variability studies of rice blast fungus in Konkan region of Maharashtra	International Journal of Chemical Studies	Volume: 8(1):1402-1404	-

	V.M.Karade					
26.	<b>R.A.Karande</b> , D.T.Khedkar, P.G. Borkar, R.A. Raut, S.C.Rite	2020	Conidial variability in rice blast caused by <i>Pyricularia grisea</i> (Cooke.) Sacc. in Konkan region of Maharashtra	International Journal of Chemical Studies	Volume: 8(4):2822-2826	-
27.	<b>R.A.Karande</b> , K.U. Jadhav, A.P. Chavan, S.A. More, S.R. Kulkarni	2021	To study the seasonal incidence of gram pod borer ( <i>Helicoverpa armigera</i> Hubner) in chickpea ( <i>Cicer arietinum</i> L.)	Jornal of Pharmacognosy and Phytochemistry	Volume: 10(6): 186-189	-
28.	<b>R.A.Karande</b> K.U. Jadhav, A.P. Chavan, S.A. More, S.R. Kulkarni	2021	To study the efficacy of molecule combinations against gram pod borer ( <i>Helicoverpa armigera</i> Hubner) in chickpea ( <i>Cicer arietinum</i> L.)	Journal of Entomology and Zoology Studies	Volume: 9(6): 164-170	-

**Annexure-II**  
**Google Citation Report**  
**Name of Section: Plant Pathology Section (2022)**

<b>Sr. No.</b>	<b>Name of faculty</b>	<b>Google Citation No.</b>	<b>H index</b>	<b>i-10 index</b>
1.	Dr.V.S.Patil	-	<b>1</b>	<b>1</b>
2.	Dr. Sunita J.Waghmare	-	<b>2</b>	<b>1</b>
3.	Dr. R.A. Karande	-	<b>3</b>	<b>1</b>

## PG Research

### Name of Section: PLANT PATHOLOGY SECTION

Sr. No.	Year (Pass out) 2018 onwards	Name of student and Reg.No.	Name of Research Guide	Title of Research	Research Findings in one or two line
1.	2018	Deshmukh Tushar Tukaram K/2016/255	Dr.G.G.Khot	Isolation and evaluation of <i>Azotobacter chroococcum</i> from rainfed production systems for growth, nutrient uptake and yield of Maize ( <i>Zea mays</i> L.).\	Inoculation of <i>Azotobacter chroococcum</i> along with 75% RDF which results in increased yield of Maize.
2	2018	Ghali Vikas Irrappa K/2016/256	Dr.D.P.Deshmukh	Effect of <i>Pseudomonas fluorescense</i> and <i>Gluconacetobacter diazotrophicus</i> on growth, nutrient uptake and yield of maize ( <i>Zea mays</i> L.).	Dual inoculation of both <i>Pseudomonas fluorescense</i> , <i>Gluconacetobacter diazotrophicus</i> organism along with 100% & 75% RDF treatment increased yield of Maize.
3.	2018	Jadhav Amar Namdev K/2016/257	Dr.C.T.Kumbhar	Effect of growth regulators on yield of milky mushroom ( <i>Calocybe indica</i> ).	Among the growth regulators spraying of <u>GA<sub>3</sub> @ 20ppm conc. on</u> beds are highly beneficial for mushroom which increases yield.
4.	2018	Otari Pratima Tanaji K/2016/259	Dr.G.G.Khot	Evaluation of different agrowaste for cultivation of milky mushroom ( <i>Calocybe indica</i> ).	The experiments results indicated that among all the treatments <i>Calocybe indica</i> grown on wheat straw showed fastest mycelium formation, pin head formation, min. days required for first harvesting, highest fruit bodies with broad pileus and stalk length. Also biological efficiency and highest protein content was recorded in <i>Calocybe indica</i> .

5.	2018	Petkar Vitthal Vishnu K/2016/260	Dr.D.P.Deshmukh	Effect of dual inoculation of <i>Bacillus subtilis</i> and <i>Bradyrhizobium japonicum</i> on growth ,nutrient uptake and yield of soyabean.	Dual inoculation of <i>Bacillus subtilis</i> and <i>Bradyrhizobium japonicum</i> along with either 100% or 75% RDF increases the yield.
6.	2019	Kanase Smita Sampat K/2017/269	Dr.G.G.Khot	Effect of nitrogen fixing and Phosphate solubilizing bacteria on growth ,yield and nutrient uptake in wheat ( <i>Triticum aestivum</i> ).	Co-inoculation of wheat seeds with <i>Azotobacter chroococcum</i> and <i>Azospirillum brasilense</i> + <i>Pseudomonas fluorescens</i> found most economical for getting higher returns.
7.	2019	Kadam Rutuja Sampatrao K/2017/270	Dr.D.P.Deshmukh	Studies on effect of <i>Rhizobacteria</i> and <i>Bradyrhizobium Japonicum</i> on growth ,yield and nutrient uptake in soyabean ( <i>Glycine max</i> L.).	Co-inoculation of soyabean seeds with <i>Bradyrhizobium japonicum</i> , <i>Azospirillum brasilense</i> and <i>Azotobacter chroococcum</i> found effective and save 75% nitrogen dose.
8.	2019	Kothawale Ankit Balasaheb K/2017/271	Dr.C.T.Kumbhar	Effect of <i>Bradyrhizobium japonicum</i> and phosphate solubilizing fungi on growth,yield and nutrient uptake in soyabean ( <i>Glycine max</i> ).	Dual Inoculation of soyabean seed with <i>Bradyrhizobium japonicum</i> and <i>Aspergillus niger</i> found efficient and saves 25% Nitrogen and phosphorus dose .
9.	2019	Kadam Supriya Vijay K/2017/273	Dr.D.P.Deshmukh	Co-inoculation effect of plant growth promoting <i>Rhizobacteria</i> .(PGPR) on growth, yield and nutrient uptake in wheat ( <i>Triticum aestivum</i> ).	Result of co-inoculation of wheat seeds with <i>Azospirillum brasilense</i> and <i>Bacillus subtilis</i> in conjunction with application of 75% of recommended dose of nitrogen and phosphorus and 100% of potash fertilizers is most economical for getting higher returns, since it results in 25% saving in nitrogenous and phosphatic fertilizers.

10.	2020	Ambure Sudarshan Diliprao K/2018/254	Dr. V.S. Patil	Effect of growth regulators on yields of oyster mushroom ( <i>Pleurotus sajor Caju</i> )	Spraying of gibberllic acid at 10ppm conc. at the time of spawn running and pinhead formation ,is highly beneficial for obtaining mushrooms with large diameter, longer stipes and exuberant yield of oyster mushroom.
11.	2020	Shewale Shraddha Ashok K/2018/255	Dr. V.S. patil	Co-inoculation effect of <i>Acetobacter diazotrophicus</i> and phosphate solubilizing fungus on growth yield and nutrient content in Sorghum ( <i>Sorghum bicolor</i> )	Co-inoculations of sorghum seeds with <i>Acetobacter diazotrophicus</i> and phosphate solubilizing fungus on significant increase on growth and yields.
12.	2020	Miss. Barge Monika Suresh K/2018/256	Dr.G.G. Khot	Co-inoculation effect of <i>Rhizobium leguminosarum</i> and phosphate solubilizing fungi on growth yield and nutrient uptake in groundnut.	Dual inoculation of Groundnut seed with <i>Rhizobium leguminosarum</i> and <i>Aspergillus niger</i> in conjunction with application of 75% of RDF Nitrogen and phosphorus and 100% of potash fertilizers are most economical for getting higher returns.
13.	2020	Mr. Gat Sudarshan Dadasaheb K/2018/257	Dr. S.B. Mahajan	Studies on Cellulolytic Fungi from Forest of Mahabaleshwar.	The MPKV decomposer was found superior in all aspect included under study while second promoting and potent fungal isolates to hydrolyze cellulose and solubilization of total N,P,K in the compost were found to be <i>A.niger</i> followed by <i>T.viride</i> and <i>A.flavus</i> and hence can be exploited decomposition of agricultural and other organic wastes.
14.	2020	Mr. Nakate Kaustubh Avinash K/2018/258	Dr. V.S. patil	Biodiversity of Mushroom flora of Mahabaleshwar, Koyananagar and Gaganbawada forest of Maharashtra.	This research provides the baseline information on wild edible mushroom diversity. The commonly found

					mushrooms are <i>Pleurotus spp.</i> , <i>Psathyrella spp.</i> , <i>Lepiota spp.</i> , <i>Marasmius spp.</i> , and <i>Termitomyces spp.</i> , are collected and identified from Gaganbawada, Koyananagar, and Mahabaleshwar.
15.	2021	Bhite Anil Thakaji K/2019/258	Dr. V.M. Karade	Comparative study of efficient isolates and commercial strains of <i>Rhizobium</i> on germination growth of Fenugreek ( <i>Trigonella foenugricum</i> )	Application of <i>Rhizobium</i> strains had seedling deep treatment and soil drenching found to be more effective along with 75% N and 100% P and K.
16.	2021	Gaikwad Pramila Panumant K/2019/259	Dr. V.M. Karade	Effect of <i>Azotobacter</i> isolates on germination and growth of African marigold ( <i>Tagetes erectus</i> L.)	Application <i>Azotobacter</i> strains has seedling deep treatment and soil drenching found to be more effective along with 75% N and 100% P and K .
17.	2021	Raut Mangesh Dattatray K/2019/260	Dr.S.J.Waghmare	Studies on effect of <i>Azotobacter</i> and phosphate solubilizing fungus on growth and yield of chilli ( <i>Capsicum annum</i> )	Dual inoculation of <i>Azotobacter</i> and phosphate solubilizing fungus has harmonious effect as compare to single inoculation on growth and yield of chilli.
18.	2021	Shinde Tushar Bhagawat K/2019/261	Dr. S.B. Mahajan	Compatability studies among biocontrol agents and chemical pesticide invitro.	The fungicides Ametoctradin + Dimethomorph had moderately toxic effect on growth on <i>Tricoderma</i> spp.
19.	2021	Sidnale Prachi Sanjay K/2019/262	Dr.V.S. Patil	Effect of tripartite inoculation of <i>Rhozobium</i> PSB and KMB on growth and yield of French bean	Tripartite inoculation of <i>Rhozobium</i> ,PSB and KMB + 75% RDF significantly increases the growth and yield of French bean with saving of 25 % dose of NPK fertilizer.
20.	2022 (In process)	Jadhav Anuja Ramchandra K/2020/263	Dr.S.J.Waghmare	Effect of <i>Azospirillum</i> and Phosphorus Solubilizing Bacteria on growth and yield of Sorghum	Thesis writing is in progress.

21.	2022 (In process)	Nalwade Pranay Sitaram K/2020/264	Dr.D.P.Deshmukh	Effect of <i>Azospirillum</i> and Potassium Solubilizing Bacteria on growth and yield of Maize	Thesis writing is in progress.
22.	2022 (In process)	Pawar Varsharani Ramchandra K/2020/265	Dr. S.B. Mahajan	Effect of herbicide on rhizosphere soil and yield contributing character in soybean	Thesis writing is in progress.
23.	2023 (In process)	Jadhav Bhagyashri Dattatray K/2021/264	Dr.D.P.Deshmukh	Effect of <i>Azotobacter</i> and Phosphrous Solubilizing Bacteria on growth and yield, quality of Strawberry	Research is ongoing.
24.	2023 (In process)	Koli Tushar Suresh K/2021/265	Dr. R.A. Karande	Effect of <i>Azotobacter</i> and Phosphorus Solubilizing Bacteria on growth and yield of watermelon	Research is ongoing.
25.	2023 (In process)	L.V. Sai Srikanth K/2021/266	Dr. S.B. Mahajan	Effect of salt tolerant bacteria on growth and yield of soybean	Research is ongoing.
26.	2023 (In process)	Misal Nagesh Ramchandra K/2021/267	Dr. R.A. Karande	Effect of <i>Azospirillum</i> and Potassium Solubilizing Bacteria on growth and yield of Finger millet	Research is ongoing.
27.	2023 (In process)	Patil Vaishnavi Sanjay K/2021/268	Dr.S.J.Waghmare	Studies on effect of Zinc Solubilizing Bacteria on growth and yield of Onion	Research is ongoing.
28.	2023(In process)	Sid Samruddhi Tanaji K/2021/269	Dr.S.J.Waghmare	Effect of Phosphorus Solubilizing Bacteria and Potassium Solubilizing Bacteria on growth and yield of groundnut	Research is ongoing.

