Department of Plant Pathology and Agricultural Microbiology
Post Graduate Institute
Mahatma Phule Krishi Vidyapeeth,
Rahuri-413 722, Dist. Ahilyanagar (MS)

Preamble

The subject of Plant Pathology and Agricultural Microbiology are being taught in the Department of Plant Pathology and Agril. Microbiology since the establishment of this Department in 1971 at MPKV, Rahuri. However as early as 1909, Plant Pathology was one of the important subjects for U. G. programme at College of Agriculture, Pune. In 1926, a full-fledged Department of Plant Pathology came in to existence at College of Agriculture, Pune. Agricultural Bacteriology was introduced as a separate subject under the Department of Plant Pathology for U. G. students in 1934 and from 1958 onwards the post graduate studies in Plant Pathology and Agril. Microbiology were started at College of Agriculture, Pune. In 1971, the Department of Plant Pathology and Agril. Microbiology became one of the important Department of Mahatma Phule Krishi Vidyapeeth, Rahuri, Ahilyanagar.

Initially there was post graduate programme for M. Sc. (Agri.) at College of Agriculture, Pune and Rahuri. However, after 1998, the Ph. D. programme was started in the discipline of Plant Pathology and Agril. Microbiology under the Department of Plant Pathology and Agril. Microbiology at Central Campus, Post Graduate Institute, Mahatma Phule Krishi Vidyapeeth Rahuri.

Mandate

1. To offer courses in the disciplines of Plant Pathology and Agricultural Microbiology for the Under Graduate degree programme in the faculties of Agriculture and Horticulture.
2. To offer courses in the discipline of Plant Pathology and Agricultural Microbiology for M.Sc. (Agri.) and Ph.D. Programmes.
3. To undertake basic and applied research programmes in plant disease management.
4. To conduct seminars, symposia, conferences, summer school etc. for exchange of information with other scientists.
5. To participate in extension activities organized by MPKV and Department of Agriculture or other NGOs, Maharashtra.
6. To render technical advice to farmers on specific problems of plant disease through All India Radio and

Television and published literature.

7. Multiplication and distribution of biofertilizers and bio-control agents to farmers.

Faculty

Sr. No.	Name	Designation	Office Phone No.	Mobile No.	E-mail	
					Office	**Personal**
1.	Dr. S.V. Kolase	Associate Professor & Head	02426-243231	7588541231	hodppam.mpkv@gmail.com	svkolase@gmail.com
2.	Dr. R.T. Gaikwad	Associate Professor		9823364310		rtgaikwad4064@gmail.com
3.	Dr. S.B. Latake	Associate Professor		7709754233		sblatake@yahoo.co.in
4	Dr. D.H. Sarnobat,	Assistant Professor		9822814795		dhanu.dhemre@rediffmail.com

Academic Programmes

- M.Sc. (Agri.) in Plant Pathology
- M.Sc. (Agri.) in Agricultural Microbiology
- Ph.D. in Plant Pathology
- Ph.D. in Agricultural Microbiology

Academic programme and intake capacity of PG student for Plant Pathology and Agriculture Microbiology

Sr. No.	Degree Programme	Location	Discipline		Total
			Plant Pathology	Agril. Microbiology	
1.	M.Sc. (Agri.)	Post Graduate Institute, Rahuri	15	06	21
		College of Agriculture, Pune	06	06	12
		College of Agriculture, Kolhapur	-	06	06
		College of Agriculture, Dhule	04	-	04
		College of Agriculture, Baramati	03	-	03
2.	Ph.D.	Post Graduate Institute, Rahuri	06	04	10
Total			**34**	**22**	**56**

Note: - above figures are excluding ICAR quota and In-service candidate

- **M.Sc. (Agri.) in Plant Pathology**

Course Layout
Minimum Credit Requirements

Sr. No.	Subject	Minimum credit (s)
1.	**Major**	**20**
2.	**Minor**	**09**
3.	**Supporting**	**07**
4.	**Seminar**	**01**
5.	**Research**	**30**
6.	**Total Credits**	**37+30=67**
7.	**Compulsory Non Credit Courses**	**05**

M.Sc. (Agri.) in Plant Pathology (As per BSMA Syllabi)

Sr. No.	Course No.	Title of Course	Credits
A)	**Major subjects (Min. 20 credits)**		
	Semester- I		
1.	PL.PATH-501	Mycology	2+1=3
2.	PL.PATH-502	Plant Virology	2+1=3
3.	PL.PATH-505	Principles of Plant Pathology	2+1=3
	Semester- II		
1.	PL. PATH- 503	Plant Pathogenic Prokaryotes	2+1=3
2.	PL. PATH- 506	Techniques in Detection & Diagnosis of Plant Diseases	2+0=2
3.	PL. PATH- 515	Diseases of Field & Medicinal Crops	2+1=3
	Semester- III		
1.	PL.PATH-504	Plant Nematology	2+1=3
		Total	**14+6=20**
B)	**Minor Subjects (Min. 09 credits)**		
	Semester- I		
1.	MICRPO 504	Microbial Genetics	2+1=3
	Semester- II		
1.	MICRO 505	Soil Microbiology	2+1=3
2.	GPB 516	Breeding for stress Resistance and Climate change	2+1=3
		Total	**6+3=9**
C)	**Supporting Subjects (Min. 07 credits)**		
	Semester- I		
1.	BIOCHEM 501	Basic Biochemistry	3+1=4
	Semester- II		
1.	STAT 511	Experimental Designs	2+1=3
		Total	**5+2=7**
D)	**Seminar (Min. 01 credits)**		
	Semester- III		
1.	PL.PATH-591	Masters Seminar	0+1=1
		Total	**0+1=1**
E)	**Master's Research (Min. 30 credits)**		
	Semester- IV		
1.	PL.PATH-599	Master Research	0+30=30
		Total	**0+30=30**
F)	**Non Credit Compulsory Courses**		
	Semester- I		
1.	PGS 501	Library and information services	0+1=1
2.	PGS 504	Basic concepts in laboratory techniques	0+1=1
	Semester- II		
1.	PGS 502	Technical writing and communication skills	0+1=1
2.	PGS.503	Intellectual property and its management in Agriculture	1+0=1
	Semester- III		
1.	PGS 505	Agricultural Research, Research Ethics and Rural Development Programmes	1+0=1
		Total	**2+3=5**

- **M.Sc. (Agri.) in Agricultural Microbiology**

Course Layout
Minimum Credit Requirements

Sr. No.	Subject	Minimum credit (s)
1.	**Major**	**20**
2.	**Minor**	**11**
3.	**Supporting**	**06**
4.	**Seminar**	**01**
5.	**Research**	**30**
6.	**Total Credits**	**38+30=68**
7.	**Compulsory Non Credit Courses**	**05**

M.Sc. (Agri.) in Agril. Microbiology (As per BSMA Syllabi)

A)	**Major Courses (Min. 20 credits)**		
	Semester- I		
1.	MICRO 502	Principles of Microbiology	3+1=4
2.	MICRO 503	Microbial Physiology and Metabolism	3+1=4
3.	MICRO 504	Microbial Genetics	2+1=3
	Semester- II		
1.	MICRO 505	Soil Microbiology	2+1=3
2.	MICRO 506	Microbial Biotechnology	2+1=3
	Semester- III		
1.	MICRO 507	Food Microbiology	2+1=3
		Total	**14+6=20**
B)	**Minor Subjects (Min. 11 credits)**		
	Semester- I		
1.	BIOCHEM 501	Basic Biochemistry	3+1=4
	Semester- II		
1.	BIOCHEM 505	Techniques in Biochemistry	2+2=4
2.	BIOCHEM 506	Soil Biology & Biochemistry	2+1=3
		Total	**7+4=11**
C)	**Supporting Subjects (Min. 06 credits)**		
	Semester- II		
1.	STAT 511	Experimental Designs	2+1=3
	Semester- III		
1.	BIOCHEM 510	Nitrogen and Sulphur Metabiolism	2+1=3
		Total	**4+2=6**
D)	**Seminar (Min. 01 credits)**		
	Semester- IV		
1.	MICRO 591	Masters Seminar	0+1=1
		Total	**0+1=1**

E)	**Master's Research (Min. 30 credits)**		
	Semester- IV		
1.	MICRO 599	Master Research	0+30=30
		Total	**0+30=30**
F)	**Non Credit Compulsory Courses**		
	Semester- I		
1.	PGS 501	Library and information services	0+1=1
2.	PGS 504	Basic concepts in laboratory techniques	0+1=1
	Semester- II		
1.	PGS 502	Technical writing and communication skills	0+1=1
2.	PGS 503	Intellectual property and its management in Agriculture	1+0=1
	Semester- III		
1.	PGS 505	Agricultural Research, Research Ethics and Rural Development Programmes	1+0=1
		Total	**2+3=5**

- **Ph.D. in Plant Pathology**

Course Layout
Minimum Credit Requirements

Sr. No.	Subject	Minimum credit (s)
1.	**Major**	**15**
2.	**Minor**	**07**
3.	**Supporting**	**05**
4.	**Seminar**	**02**
5.	**Research**	**75**
6.	**Total Credits**	**29+75=104**
7.	**Compulsory Non Credit Courses**	**05**

Ph.D. in Plant Pathology (As per BSMA Syllabi)

Sr. No.	Course No.	Title of Course	Credits
A)	**Major Courses (Min. 15 credits)**		
	Semester- I		
1.	PL. PATH- 601	Advances in Mycology	2+1=3
2	PL. PATH- 602	Advances in Virology	2+1=3
3	PL. PATH- 603	Advances in Plant Pathogenic Prokaryotes	2+1=3

	Semester- II		
1.	PL. PATH- 604	Molecular Basis of Host Pathogen Interaction	2+1=3
2.	PL. PATH- 605	Principles & Procedures of Certification	1+0=1
3.	PL. PATH- 606	Plant Bio security & Bio safety	2+0=2
		Total	**11+4=15**
B)	**MINOR COURSES**		
	Semester- I		
1.	MICRO 603	Recent Development in Soil Microbiology	2+0=2
2.	BIOCHEM 607	Application of Techniques in Biochemistry	1+2=3
	Semester- II		
1.	MICRO 604	Recent Approaches in Environmental Microbiology	2+0=2
		Total	**5+2=7**
C)	**SUPPORTING COURSES**		
	Semester- I		
	PP 606	Global Climate Change and Crop Response	2+0=2
	Semester- II		
	BIOCHEM 603	Biochemistry of Biotic and Abiotic Stresses	3+0=3
		Total	**5+0=5**
D)	**SEMINAR**		
	Semester- III		
1.	PL PATH 691	Doctoral Seminar-I	0+1=1
	Semester- IV		
1.	PL PATH 692	Doctoral Seminar-II	0+1=1
		Total	**0+2=2**
E)	**Doctoral Research (Min. 06 credits)**		
	Semester- V & VI	Doctoral Research	0+75=75
		Total	**0+75=75**
F)	**Non Credit Compulsory Courses**		
	Semester- I		
1.	PGS 501	Library and information services	0+1=1
2.	PGS 504	Basic concepts in laboratory techniques	0+1=1
	Semester- II		
1.	PGS 502	Technical writing and communication skills	0+1=1
2.	PGS 503	Intellectual property and its management in Agriculture	1+0=1
	Semester- III		
1.	PGS 505	Agricultural Research, Research Ethics and Rural Development Programmes	1+0=1
		Total	**2+3=5**

- **Ph.D. in Agricultural Microbiology**

Course Layout
Minimum Credit Requirements

Sr. No.	Subject	Minimum credit (s)
1.	**Major**	**12**
2.	**Minor**	**09**
3.	**Supporting**	**06**
4.	**Seminar**	**02**
5.	**Research**	**75**
6.	**Total Credits**	**29+75=104**
7.	**Compulsory Non Credit Courses**	

Ph.D. in Agricultural Microbiology (As per BSMA Syllabi)

Sr. No.	Course No.	Title of Course	Credits
A)	**Major Courses (Min. credits)**		
	Semester- I		
1.	MICRO-601	Improvement in fermentation Technology	2+1=3
2.	MICRO-602	Microbial physiology and regulation	2+0=2
3.	MICRO-603	Recent development in Soil Microbiology	2+0=2
	Semester- II		
1.	MICRO-604	Recent approaches in environmental microbiology	2+0=2
2.	MICRO-605	Plant Microbe Interactions	2+1=3
		Total	**10+2=12**
B)	**MINOR COURSES**		
	Semester- I		
1.	BIOCHEM 601	Advanced Enzymology	2+1=3
2.	BIOCHEM 602	Advanced Molecular Biology	3+0=3
	Semester- II		
1.	BIOCHEM 603	Biochemistry of Biotic and Abiotic Stresses	3+0=3
		Total	**8+1=9**
C)	**SUPPORTING COURSES**		
	Semester- I		
1.	BIOCHEM 607	Application of Techniques in Biochemistry	1+2=3
	Semester- II		
1.	MBB 513	Immunology and Molecular Diagnostics	3+0=3
		Total	**4+2=6**

D)	**SEMINAR**		
	Semester- III		
	MICRO 691	Doctoral Seminar-I	0+1=1
	Semester- IV		
	MICRO 692	Doctoral Seminar-II	0+1=1
		Total	**0+2=2**
E)	**Doctoral Research**		
	Semester- V & VI	Doctoral Research	0+75=75
		Total	**0+75=75**
F)	**Non Credit Compulsory Courses**		
	Semester- I		
1.	PGS 501	Library and information services	0+1=1
2.	PGS 504	Basic concepts in laboratory techniques	0+1=1
	Semester- II		
1.	PGS 502	Technical writing and communication skills	0+1=1
2.	PGS 503	Intellectual property and its management in Agriculture	1+0=1
	Semester- III		
1.	PGS 505	Agricultural Research, Research Ethics and Rural Development Programmes	1+0=1
		Total	**2+3=5**

Laboratories

1. Eco friendly disease management and beneficial microbes research laboratory
2. Electron Microscopy
3. Post entry quarantine laboratory
4. Liquid biofertilizers production plant
5. PG Plant Pathology and Microbiology laboratory
6. Environment controlled poly-houses
7. Glass house facilities



Disease Diagnosis Laboratory



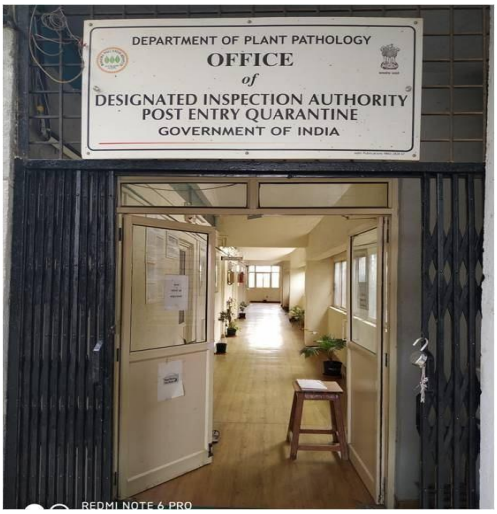
P.G. Laboratory



Eco Friendly Laboratory



Unique facility of Electron Microscope



Post Entry Quarantine Laboratory



Fermenters of Liquid Biofertilizer



Solid Biofertilizer Production Unit



Liquid Biofertilizer Production Unit

Research

Ongoing research: (Research in M.Sc. / Ph.D. in Plant Pathology and Agricultural microbiology)

- **M.Sc. in Plant Pathology:**

1. Comparative evaluation of Natural, Organic and conventional Disease Management Practices for Sustainable Tomato Production
2. Studies on Plant Growth Promoting *Rhizobacteria* for management of stem rot groundnut.
3. Biosynthesis of *Trichoderma harzianum* Mediated Copper Nanoparticles for the Management of Fruit Rot of Chilli Caused by *Colletotrichum capsici*.
4. Biorational Management of Leaf blight of Senna (*Cassia augustifolia* V.)
5. Sustainable Management of Leaf light of Isabgol (*Plantago ovata* F.)
6. Efficacy of plant extracts against *Aspergillus* sp contaminating maize grains.
7. Management of Head Blight Disease of Wheat
8. Epidemiology and Management of Colletotrichum Leaf and Fruit Spot of Pomegranate Using Novel Fungicidal Molecules
9. Comparative Evaluation of Natural, Organic and Conventional Disease Management Practices for Soybean Pod Blight
10. Comparative Studies on Natural Farming Formulations, Biocontrol Agents and Chemicals for Management of purple blotch of onion
11. Epidemiology and Management of Bacterial Blight of Pomegranate Using Novel Molecules
12. Evaluation of newer fungicides against Anthracnose of chilli
13. Studies on seed mycoflora of mustard (*Brassica juncea* L.)
14. Investigation into pathogens associated with twister disease of onion
15. Assessment of various techniques to determine resistance in soybean against charcol rot pathogen *(Macrophomina phaseolina*)
16. Integrated management of downy mildew disease of grapes
17. Assessment of various techniques to determine resistance in groundnut against stem rot pathogen (*Sclerotium rolfsii*)
18. Studies on Wilt Disease of Pea (*Pisum sativum* L.)
19. Studies on seed mycoflora and their impact on seed quality in chilli (*Capsicum annum* L.)

- **Ph.D. in Plant Pathology:**

1. Development of Consortia from Endophytic Microbes for Management of Wilt and Trunk Disease of Grapevine
2. Harnessing Honeybee-Associated Microbial Niches as Plant Probiotics and Biocontrol Agents Against Major Phytopathogens
3. Early detection of post-harvest anthracnose in mango using hyperspectral machine learning"
4. Eco-friendly Management of Anthracnose *(Colletotrichum gloeosporioides)* of Custard apple by Gamma Irradiated Chitosan Nanoparticles and Novel Chitosan-Copper-β-glucan Nanocomposites
5. "Exploration of Non-Aflatoxigenic Isolates of *Aspergillus* spp. for Management of Aflatoxin Contamination in Maize"
6. A multidimensional study of Tobacco streak virus disease in cotton (*Gossypium hirsutum* L.): Molecular characterization, spectral phenotyping and artificial intelligence-based disease detection and prediction of virus infection
7. Studies on Dolichos mosic virus in Dolichos bean

- **M.Sc. in Agril. Microbiology:**

1. Effect of Vesicular Abriscular Mycorrhiza and Phosphate Solublizing bacteria on growth, nutrient uptake and yield in rabi sorghum.
2. Effect of Jeevamrut, PSB and KMB on Microbial population, Growth parameter, Nutrient uptake and Yield of Kharif Onion
3. Isolation and characterization of benificial microbes from desi cow dung
4. Efficacy of Lactic Acid Bacteria (LAB) on growth and yield of Pea (*Pisum sativum*)
5. Studies on drought tolerant Rhizobium statin in chickpea
6. Effect of Biochar Amended Vermi-compost with Biofertilizers on Soil Fertility and Yield of Maize
7. Effect of Pink Pigmented Facultative Methylotrophic (PPFM) bacteria on Growth and Yield in Maize

- **Ph.D. in Agril. Microbiology:**

1. Effect of bacterial consortium on growth and yield of cauliflower
2. Development of Microbial Consortium for Ripening of Mango and Banana
3. Effect of herbicides on soil mycoflora and nodulation in soybean
4. Evaluation of PSB and arbuscular mycorhizal fungi for enhancing P-availability and uptake in groundnut in shallow basaltic soil.

Extension Activities

I. **Plant Disease Diagnosis: -** Diseased samples received from farmers and development department of plant are diagnosed for their cause (about 1205 disease samples of fruits and vegetables) and remedial measured are suggested.

II. **Production Technology of Biofertilizers**: - Guidance is given to manufacturers, progressive cultivators and unemployed persons regarding production technology for Biofertilizers and Bio agents. However approximately 12,000 farmers purchased the biofertilizer and bioagents from this department and could produced Rs. 22 lakh receipts.

III. Inspection of Post Entry Quarantine (PEQ) plant material at different location.

IV. Horticultural Crop Pest Surveillance Advisory Project (HORTSAP).

Projects / Schemes

1) Horticultural Crop Pest Surveillance Advisory Project (HORTSAP).
2) Post Entry Quarantine Project.
3) Disease Diagnosis Centre
4) Self Supporting Scheme

Achievements

- **Number of students completed M.Sc. (Agri.) and Ph.D till date**

Sr. No.	Degree Programme	Discipline		Total
		Plant Pathology	Agril. Microbiology	
1.	M.Sc. (Agri.)	472	318	768
2.	Ph.D.	75	36	111

- **Fellowship :**

1. The students of M.Sc. (Agri.) and Ph.D Degree Programme in Plant Pathology and Agril. Microbiology got **S.P. Foundation, Seeding Talent and MahaDBT -2 Fellowship.**
2. Seven students have passed NET Examination during 2021 to 2026.

- **Patent filled**

Sr. No.	Name of Author	Title of Patent
1	Dr. Popat Khandagale, Assistant Professor	Agricultural drowns with green Nano fungicide
		Process for preparing betel leaf Phule Tambool (Mouth freshner)
2	Dr. N.A. Musmade, Assistant Professor	Method of Preparation of Hybrid Silver Nanoparticles With Banana Pseudostem Extract and Chitosan

- **Important strains identified:**

a) Potash Solubilizing bacteria	:- *Pseudomonas fluorescence*
b) Potash Solubilizing fungi	:- *Aspergillus niger*
c) Thermophillic bacteria	:- *Bacillus* spp.
d) Nitrogen fixing bacteria	:- *Glucanoacetobacter diazotrophicus*

- **Recommendation Deliver to farmers community**:

Ninety three Research recommendations were recommended farming community through University system i.e. Joint Agricultural Research Committee and Department of Agriculture w.e.f. 2010 to 2026.

Publications

Research papers, published in NAAS rated journal 6 and above during 2018 to 2026

Sr. No.	Name of the authors	Title of article	Name of journal, volume/issue, pages, DOI / ISSN / year	Year	NAAS Rating
1	Khatal M.P., Narute T.K., Bhalerao V.K., Kolase S.V. and Kharde S.A.	Studies on Morphological Variations of *Plasmopara viticola* causing Downy Mildew Disease of Grapes	Scientist/08903670, 2021, 5129-513608903670 https://www.thescientist.online/	2021	6.85
2	S. N. Sawant, S. V. Kolase, D. H. Sarnobat, S.B. Latke, A. V. Suryawanshi	Exploring the efficacy of biocontrol agents against seed borne pathogens associated with mungbean(vigna radiata l.)	International Journal of Novel Research and Development : 9(9); pages 310-318; ISSN ISSN: 2456-4184	2024	Impact factor 8.76
3	Kharbadkar, V.P., S.V. Kolase, S.B. Latake, M.H. Shete, V.S. Shinde and A.A. Kale	First Report of *Colletotrichum siamense* Causing Fruit Rot of Sweet Orange (*Citrus sinensis*) in India.	Plant Disease (Plant Disease Reporter) JRNID P105 ISSN 0191-2917	2025	10.40
4	S.A. Raut, S.B. Latake, V.S. Shinde and N.K. Bhute	Fungal foliar pathogen of cotton in Western Maharashtra : Identification and in vitro management	International Journal of Agricultural and Statistical Sciences 21 (2) DOI: https://doi.org/10.59467/IJASS.21.455; pages 455-467; ISSN ISSN: 0973-1903, e-ISSN : 0976-3392	2025	6.3
5	Pratiksha Biradar, Sudarshan Latake, Babasaheb Fand, Bappa Dasand Mamta Sharma	Climate change-driven distribution shifts of pigeonpea sterility mosaic disease in India: a MaxEnt modeling approach	Frontiers in Agronomy 8:1828397.doi:10.3389/fagro.1828397; pages 1-12; ISSN E-ISSN 2673-3218	2026	10.10 (Impact factor 4)
6	Nutan Napte, Sanjay Kolase, Sujoy Saha and Vikas Bhalerao	Advancing Powdery Mildew Management and Modulation of Enzymatic Activity of Grapevine through Sulphur-Chitosan Nanocomposites.	Physiological and Molecular Plant Pathology 145, 103386 http://doi.org/10.1016/j.pmpp.2026.103386	2026	8.70
7	Vaishnavi Kharbadkar, Sanjay Kolase, Sudarshan Latake, Madhukar Shete and Anil kale	First report of *Colletotrichum siamense* causing fruit rot of sweet orange (*Citrus sinesis*) in India	Plant Disease, 110; pages 1009; ISSN ISSN:0191-2917 e-ISSN:1943-7692	2026	10.40
8	D.H. Sarnobat, S.B. Latake, P.B. Khaire, R.S. Bhoge, R.R. Jadhav, H.N. Aiwale, R. M. Palghadmal	Root Anatomical Parameters for Identification of Fusarium Wilt Resistant and Susceptible Lines of Chickpea	Genetics and Molecular Research ,NaaS 6.20, E-ISSN:1676-5680 gmr@geneticsmr.com	2026	6.20

Research papers, published in NAAS rated journal 6 and below during 2018 to 2026

Sr. No.	Name of the authors	Title of article	Name of journal, volume/issue, pages, DOI / ISSN / year	Year	NAAS Rating
1	D.H.Sarnobat , P.D.Mahajan and L.S.Shitole	Determination of resistances sources of Diploid cotton against *Fusarium oxysporum f.sp. Vasinfectum*	Electronic international interdisciplinary research journal 2277-8721-VII (XII) : 421-426	2018	3.63
2	M.S.Girme and D.H.Sarnobat	Effect of nutrient supply system on biometry and rhizosphere microflora of soybean, pigeon pea and sorghum	Agricultural Science Digest 0253-150X - 38 (1) : 22-26	2018	4.21
3	Sarnobat D.H., Shitole L.S. and Waghmare S.J.	Effect of Nutrient Supply System on Biometry of Pigeon pea and Sorghum.	Contemporary Research in India –A peer Reviewed Multi-Disciplinary International Journal - 2231-2137 , 2018,1: 164-166	2018	3.13
4	D.H.Sarnobat, S.J.Waghamare,R.U.Thosar	Effect of sowing dates on incidence of Rust and Yield of Soybean	Progressive Research- An International Journal Vol.14 : 81-82	2018	3.84
5	Chavan A.P., Chavan K.A., Latake S.B., Kute N.S., Mhase L.B. And Rangari P.S.	Incidence and damage severity of pod borers complex in pigeonpea	International Journal of Agriculture Sciences 10 (18); pages 7141-7144.; ISSN 0975-3710	2018	4.20

6	Kolase S.V., C.D. Deokar and B.V. Garad	Management of Downy Mildew with Pyraclostrobin 20% WG in grapes.	Contemporary Research in India. Special Issue: Vol.II :125-128. ISSN 2231-2137. Journal No.62441.	2018	3.23
7	D.H.Sarnobat, C.D.Deokar and K.S.Raghuwanshi	Determination of Genetic Relationship among wilt resistant and susceptible varieties of chickpea by RAPD Markers .	International Journal of Current Microbiology and Applied Sciences , ISSN: 2319-7706, (2)	2019	5.38
8	K.S. Chaudhari, S.V. Kolase, Jare S.M.	Isolate variations in *Colletotrichum gloeosporiodes* Penz. Infecting major fruit crops in Khandesh region of Maharashtra.	International Journal of Chemical Studies, 7 (5) 1706-1708 ISSN 2349-8528(Print) ISSN:2321-4902(E)	2019	5.31
9	K.S. Chaudhari, S.V. Kolase, R.V. Patil, M.A. Barate, M.P. Khatal, S.M. Jare	Morphological variation among different isolates of *Colletotrichum gloeosporiodes* isolated from major fruit crops in Khandesh region of Maharashtra.	International Journal of Chemical Studies, 7 (5) 2777-2782 ISSN 2349-8528(Print) ISSN:2321-4902(E)	2019	5.31
10	A. P. Chavan , K. A. Chavan , S. B. Latake, P. S. Rangari	Screening of pigeonpea elite germplasms for resistance to pod borers	International Journal of Chemical Studies 7 (2); pages 747-753; ISSN 2349-8528	2019	5.31
11	N. T. Hirgal, S. B. Latake, A.P. Chavan	Studies on biochemical changes in cowpea in response to virus infection	International Journal of Chemical Studies 7 (1); pages 577-579; ISSN 2349–8528	2019	5.31
12	K.S. Chaudhari, S.V. Kolase, Kharde S.A.	Variation in fungi toxicant sensitivity of *Colletotrichum gloeosporiodes* Penz. isolates infecting major fruit crops in Khandesh region of Maharashtra.	International Journal of Chemical Studies, 7 (5) :1709-1712 ISSN 2349-8528(Print) ISSN:2321-4902(E)	2019	5.31
13	T. D. Kushare, S. V. Kolase, G. Mahadevaswamy	Biological Approach in Management of Grape Powdery Mildew Caused by *Erysiphe necator*	Int.J.Curr.Microbiol.App.Sci Special Issue-10: 595-604 ISSN: 2319-7706 Special Issue-10	2020	5.38
14	Chavan A.P, Latke S.B., Chavan K.A. And Bhosale R.R. Chavan A.P, Latke S.B., Chavan K.A. And Bhosale R.R. Chavan .A. P, Latake S. B., Chavan K. A. And Bhosale R.R.	Biological control of sucking pests of green gram (*Vigna adiate* L.)	International Journal of Agriculture Sciences 12 (15); pages 10097-10101; ISSN 0975-3710 & E-0975-9107	2020	4.20
15	Brahmane, P.R., Deokar, C.D., Kolase, S.V., Deshmukh, H.V. and Khaire, P.B.	Effect of foliar sprays of bioagents on powdery mildew severity and fruit yield of cucumber during Kharif season.	Journal of Pharmacognosy and Phytochemistry, 9(6) : 1999-2003 E-ISSN:2278-4136 P-ISSN: 2349-8234	2020	5.21
16	A.D. Mali, V.S. Shinde, S.B. Latake, P.E. More and T.K. Narute	Evaluation of ayurvedic drugs for antibacterial activity against *Xanthomonas axonopodis* pv *punicae*	Progressive Research – An International Journal 15(3); pages 184-189; ISSN P. ISSN : 0973-6417, Online ISSN : 2454-6003	2020	3.84
17	V.R. Bangar, S.V. Kolase, S.B. Sable and S.B. Latake	Isolation and identification of Triazole group fungicide degrading isolates from grape rhizosphere of major grape growing districts of Maharashtra, India	International Journal of Chemical Studies 8 (6); pages 2868-2873; ISSN P-ISSN: 2349–8528 E-ISSN: 2321–4902	2020	5.31
18	Ashish Kumar, S.K. Ray, S.V. Kolase, K. Jyothirmai Madhavi, Hemant Sharma, M.B. Dalvi and R.A. Raut	Management of blossom blight and anthracnose disease of mango caused by *Colletotrichum gloeosporiodes*	International Journal of Chemical Studies, 8 (6) 455-457 ISSN 2349-8528(Print) ISSN:2321-4902(E)	2020	5.31
19	Chavan Ashok P., Sagar D., Latake S.B. , Chander Subhash and Chavan Komal A.	Population dynamics of gram pod borer *Helicoverpa armigera* (hubner) on chickpea	Indian Journal of Entomology 82 (2); pages 235-237; ISSN 0367-8288 &0974-8172	2020	5.89
20	Dr.D.H.Sarnobat , Dr. S.R. Zanjare ,Dr.A.V. Surywanshi and Dr.V.R.Shelar	Purple Blotch of onion and its management : A Review	International Journal of Chemical Studies, 8(2) 839-845	2020	5.40
21	V.R. Bangar, S.V. Kolase, S.B. Sable and S.B. Latake	Screening for fungicide degrading potential of isolated bacterial strains and identification of potent degrading strains	Journal of Pharmacognosy and Phytochemistry 9(6); pages 201-206; ISSN E-ISSN: 2278-4136 P-ISSN: 2349-8234	2020	5.21

22	Mamta Kumari, Ashok S Jadhav, VL Amolic and SB Latake	Screening of groundnut (*Arachis hypogaea* L.) genotypes for rust (*Puccinia arachidis* Speg.) and late leaf spot (*Phaseoisariopsis personata* (Berk & curt) diseases in field condition	Journal of Pharmacognosy and Phytochemistry 9(1); pages 2114-2117; ISSN E-ISSN: 2278-4136 P-ISSN: 2349-8234	2020	5.21
23	Latake S.B., Shinde V.S., Chavan A.P. and Gadekar A.A.	Seasonal incidence of groundnut diseases in western Maharashtra	International Journal of Agriculture Sciences 12 (7); pages 9666-9667; ISSN 0975-3710 & E-0975-9107	2020	4.20
24	Latake, S B, Ranjale, S R and Tikhe, DA	Seed Transmission of Leaf Crinkle Virus in Urdbean and Identification of Resistant Genotypes to the Virus	International Journal of Recent Scientific Research 11(4); pages 38002-38004.; ISSN 0976-3031	2020	3.65
25	C.S. Chaudari, A.S. Totre, V.S. Shinde, S. B. Latake and S. R. Dhonde	Bio-efficacy of Spinetoram 12% SC (11.70%) against fall army worm, *Sopdoptera frugiperda* (J.E. Smith) in maize.	Frontiers in Crop Improvement (9); pages 1069-1072; ISSN P. ISSN : 2393-8234, Online ISSN : 2454-6011	2021	4.67
26	S. R. Dhonde, V. S. Shinde, S. B. Latake and N. S. Kute	Biochemical characterization of powdery mildew resistant and susceptible genotypes in mungbean (*Vigna radiate* L. wilczek)	Journal of Plant Disease Sciences 16 (1); pages 22-27; ISSN 0973-7456	2021	4.20
27	Prof .R. S.Bhoge , Dr.V.R.Shelar , Dr.D.H.Sarnobat	Evaluation of Pre Harvest Spraying of Insecticides for management of pulse beetle (*Callosobruchus* spp.) in chickpea.	Frontiers in Crop Improvement, (3) 876- 879	2021	4.67
28	S. R. Korte, M. H. Shete and S. B. Latake	In vitro and in vivo efficacy of fungicides and biocontrol agents in the control of *Fusarium moniliforme*, the incitant of bottle gourd wilt.	Journal of Plant Disease Sciences 16 (2); pages 87-90; ISSN 0973-7456	2021	4.20
29	Dhanashree Bachkar, Sanjay Kolase, Mayur Bhujbal, Ravindra Patil, Mahadev Khatal, Navnath Daingade and Sadanand Palaskar	In vitro efficacy of different botanicals against (*Fusarium incarnatum*) causing fruit rot of papaya (*Carica papaya* L.)	Journal of Pharmacognosy and Phytochemistry, 10(1) : 772-776 E-ISSN:2278-4136 P-ISSN: 2349-8234	2021	5.21
30	Dhanashree Bachkar, SanjayKolase, Mayur Bhujbal, Chatur Thakare, Sandip Doltade, Mahadev Khatal and Navnath Daingade	In vitro efficacy of different fungicides against (*Fusarium incarnatum*) causing fruit rot of papaya (*Carica papaya* L.)	International Journal of Chemical Studies, 9 (1) 1485-1488 ISSN 2349-8528(Print) ISSN:2321-4902(E)	2021	5.31
31	Ajesh, B.R., T.K. Narute, S.V. Kolase, S.B. Latake and R.T. Gaikawad	In vitro Efficacy of Microbial Bio-agents Against *Rhizoctonia bataticola* (Taub.) Butler, Inciting Dry Root Rot Disease of Soybean	Biological Forum – An International Journal 13 (3a); pages 261-265; ISSN ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239	2021	4.27
32	Dr.D.H.Sarnobat , Dr. Y.S.Balgude , Prof .R. S.Bhoge	In vitro evalution of Bio Control agents against *Fusarium oxysporium* f.sp. *Ciceri* .	Frontiers in Crop Improvement, (3) 876- 879	2021	4.67
33	HD Gaikwad, CD Deokar, MPDeshmukh, K Prabha, SV Kolase, VP Chimote, TK Narute	Screening of soybean genotypes for the identification of resistance against yellow mosaic disease	Indian Journal of Plant Protection Vol. 49 No. 4, (240-246) ISSN : 0253-4355	2021	5.07
34	H. D. Gaikwad, C. D. Deokar, S. V. Kolase, M. P. Deshmukh , V. P. Chimote, T. K. Narute and K. Prabha	Survey for Natural Incidence of Soybean Yellow Mosaic Disease in Western Maharashtra	Int.J.Curr.Microbiol.App.Sci 10(03): 88-809 ISSN: 2319-7706	2021	5.38
35	H.D. Gaikwad, C.D. Deokar, S.V. Kolase, T.K. Narute	Transmission, Host Range And Symptomatology Studies of Soybean Yellow Mosaic Disease Through Whiteflies	Journal of Plant Development Sciences Vol. 13(7): 437-444. ISSN 0974-6382	2021	4.35
36	S B Latake, YV Bele and VS Shinde	Biocontrol of actinomycetes against chickpea wilt pathogen *Fusarium oxysporum* f. sp. *ciceri*	Journal of food Legumes 35(3); pages 193-197; ISSN 0970-6380	2022	4.82
37	KS Chaudhari, SV Kolase, MH Shete, AV Chandanshive and MR Patil	Cultural and bio-chemical characterization of bacterial canker disease caused by *Xanthomonas axonopodis* pv. *citri* in acid lime	The Pharma Innovation Journal; 11(10): 599-602 ISSN (E): 2277-7695 ISSN (P): 2349-8242	2022	5.23

38	Rothe AS, Narute T.K., Raghuwanshi K.S. and Kolase S.V.	Cultural and Biochemical characterization of *Xanthomonas axonopodis* pv. *punicae*, causing bacterial blight disease of Pomegranate	The Pharma Innovation Journal; 11(8): 2227-2229 ISSN (E): 2277-7695 ISSN (P): 2349-8242	2022	5.23
39	S. B. Latake, P. M. Katkar and V. S. Shinde	Eco-friendly management of early blight of tomato caused by *Alternaria solani*	Journal of Plant Disease Sciences 17 (1); pages 73-78; ISSN 0973-7456	2022	4.20
40	DW Uikey, KS Raghuwanshi and SV Kolase	Effect of fungicides, bioagents and botanicals against seed borne microflora of soybean in-vitro	The Pharma Innovation Journal; 11(12): 44-54 ISSN (E): 2277-7695 ISSN (P): 2349-8242	2022	5.23
41	Dr.S.R.Zanjare, Dr.D.H.Sarnobat and S.S.Zanjare	Efficacy of fungicides, bioagents and plant extracts/botanicals against Seed borne mycoflora, seed germination and seedling vigour index of naturally infected seeds of Cowpea.	The Pharma Innovation Journal:11(5):184-189	2022	-
42	Chavan Rutuja R, Manjunatha N, Kolase Sanjay V, Sharma Jyotsana, Pokhare Somnath S, Sirsat Jaydip D, Agarrwal Ruchi, Patil Jyoti	A simple method for detection of quiescent fungal infections in pomegranate	Plant Disease Research, Vol.:38(2),p278. ISSN:(Print) 0970-4914 ISSN:(Online) 2249-8788	2023	4.30
43	B.C. Game, V.P. Chimote and S.B. Latake	Genetic Diversity of Cellulolytic *Streptomyces* spp. Isolated from Decomposing Waste	Biological Forum 15 (12); pages 57-63; ISSN ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239	2023	4.96
44	Bana Sravani, Dr. T.K. Narute, Dr. SB Latake, Dr. Sunil Dalvi and Dr. SV Kolase	In vitro effect of chitosan nanoparticles on wilt disease resistance of chickpea by seedlings root feeding of *Fusarium oxysporum* f. sp. *ciceri*	The Pharma Innovation Journal 12(1); pages 1602-1604; ISSN ISSN (E): 2277-7695 ISSN (P): 2349-8242	2023	5.23
45	Dawale Mukund a , T. K. Narute a, D. H. Sarnobat a, Sirisha Thakare a and A. M. Navale a	In-vitro Evaluation of Fungicides and Botanicals against *Uromyces ciceris arietini* Inciting Chickpea Rust Disease	International Journal of Plant & Soil Science Volume 35, Issue 23, Page 672-675	2023	-
46	M. A. Aghav, V. S. Shinde, P. Khaire and S. B. Latake	Morpho-cultural traits of the pathogen responsible for Turcicum leaf blight in maize *Exserohilum turcicum*	Journal of Plant Disease Sciences : 18 (2); pages 93-98; ISSN ISSN 0973-7456	2023	4.20
47	K.S. Chaudhari, S.V.Kolase, Hemant Sharma and A.M. Navale	Nanotechnology in agriculture: Plants are green route for synthesis of nanoparticles	The Pharma Innovation Journal; 12(6): 4311-4314 ISSN (E): 2277-7695 ISSN (P): 2349-8242	2023	5.23
48	Pramodkumar, Shinde VS, Latake SB and Sali VM	Oligo chitosan: An ecofriendly agent to control soil borne pathogens of chickpea (*Cicer arietinum* L.)	The Pharma Innovation Journal 12(3); pages 4493-4497; ISSN ISSN (E): 2277-7695 ISSN (P): 2349-8242	2023	5.23
49	Shirisha Thakare, S.V.Kolase,Mukund Dawale, B.M. Ilhe and AV Chandanshive	Prevalence and distribution of basal rot disease of onion in major onion growing districts of Maharashtra during Kharif-2022	The Pharma Innovation Journal; 12(9): 2812-2815 ISSN (E): 2277-7695 ISSN (P): 2349-8242	2023	5.23
50	Satyam, A.M. Navale, S.V. Kolase, T.K. Narute, A.A. Kale, A.V. Chandanshive, A.G. Durgude and M.S. Barge	Salt and temperature tolerant rhizobzcteria : A comprehensive study on biochemical profiling and biocontrol potential.	The Pharma Innovation Journal; 12(9): 249-255 ISSN (E): 2277-7695 ISSN (P): 2349-8242	2023	5.23
51	Mukta Joshi , T. K. Narute and D. H. Sarnobat	The Cucumber Mosaic Virus: A Review	International Journal of Plant & Soil Science Volume 35, Issue 24, Page 253-260	2023	-
52	Shirisha Thakare, KolaseSV,Dawale MB, Narute TK, Navale AM, and Chandanshive A.V.	Varietal Screening and Management of Basal Rot Disease of Onion.	International Journal of Plant and Soil Science; 35(23): 449-455 IJPSS 110688 ISSN: 2320-7035	2023	5.07
53	Sandhya N. Sawant, Sanjay Kolase, Dhanashree Sarnobat, S.B. Latke and A.V. Suryawanshi	Biocontrol Strategies for Managing Seed Borne Pathogens in Mungbean (*Vigna radiata* L.): Efficacy and Potential	Biological Forum – An International Journal 16(10); pages 42-47; ISSN ISSN . (Print): 0975-1130 ISSN. (Online): 2249-3239	2024	4.96

54	Sandhya N. Sawant, Sanjay Kolase, Dhanashree Sarnobat, S.B. Latake and A.V. Suryawanshi	Biological Strategies for Managing Seed Borne Pathogens in Mungbean (*Vigna radiate* L.): Efficacy and Potential.	Biological Foram- An International Journal, 16(10):42-47, ISSN:(Print)0975-1130 ISSN :(Online)2249-3239	2024	4.27
55	Annapurna Gavireddy, S..B. Latake and V.S. Shinde	Chemical Control of *Colletotrichum gloeosporioides* causing Twister Disease in Onion	Biological Forum 16(1); pages 243-246; ISSN ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239	2024	4.96
56	Bagul V.K., S.N. Hasabnis, A.M. Navale, S.V. Kolase and Satyam	Efficacy of Different Bioagents Against Collar Rot Disease of Chickpea Incited by *Sclerotium rolfsii* under in vitro Condition.	Journal of Advances in Microbiology; 24(5): 1-5 JAMB 117012 ISSN: 2456-7116	2024	5.14
57	Jadhav, A. C., Navale A.M., Game B.C. and Latake S.B.	Endophytic N2 fixing microbial liquid consortium for sugarcane crop	Multilogic in Science : XIV (XXXXX); pages 200-206; ISSN ISSN 2277-7601	2024	4.17
58	YM Lambe, NS Kute, AS Totre, S B Latake, SL Kolhe, SA Shendekar, GC Shinde and AA Kale	Genetic variability and path analysis for yield and yield contributing traits in chickpea (*Cicer arietinum* L.)	International Journal of Research in Agronomy; SP-7(9); pages 321-326; ISSN E-ISSN: 2618-0618 P-ISSN: 2618-060X	2024	5.20
59	Patil NS, Bhalekar MN, Dhakare BB, Latke SB and Shinde GC	Heterosis for important quantitative traits in cucumber (*Cucumis sativus* L.)	International Journal of Advanced Biochemistry Research : 8(5); pages 807-818; ISSN ISSN Print: 2617-4693 ISSN Online: 2617-4707	2024	5.29
60	Bankar D.R., S.R. Kulkarni, A.V. Chandanshive, S.T. Aghav, S.V. Kolase, C.S. Patil and S.A. Pawar	Incidence of major viral diseases and associated insect vectors in major tomato growing tehsils of Ahmednagar district of Maharashtra during Kharif 2023.	International Journal of Advanced Biochemistry Research, SP-8(9) :927-931. ISSN:(Print)2617-4693 ISSN:(Online)2617-4707	2024	-
61	V. S. Shinde, M. A. Aghav, S. B. Latake and P. Khaire	Laboratory assessment of botanicals, bio-control agents and fungicides combating *Exerohilum turcium* inducing Turcicum leaf bight in maize	Maize Journal: 13(2); pages 115-123; ISSN 2278-8867	2024	4.28
62	O.B. Sankeshwari, S.B. Latake and B.C. Game	Pathogens associated with cotton boll rot and their control with fungicides	Journal of Cotton Research and Development 38 (1); pages 79-84; ISSN Issn No. 0972-8619	2024	4.70
63	Chaitra G.V., Dr.S.V. Kolase, Dr.S.B. Latake and Dr. V.K. Bhalerao	Studies on Fusarium wilt of watermelon by using antifungal agents: An in vitro sights.	International Journal of Advanced Research in Science and Technology: 13 (4); pages 1390-1397; ISSN 2319-1738, ISSN:(Online)2320-1126	2024	-
64	D.R. Bankar, S.B.Kharbade, S.T.Aghav, S.R. Kulkarni, A.V. Chandanshive, S.V.Kolase, C.S. Patil and S.A. Pawar	Survey of tomato seedling growers in key tomato producing tehsils of Ahilyanagar district, Maharashtra, during Kharif 2023	International Journal of Advanced Biochemistry Research 2024; 8(12): 900-904 ISSN Print: 2617-4693 ISSN Online: 2617-4707 IJABR; 8(12): 900-904	2024	5.29
65	Sanjay Kolase, Sachin Jagtap and Pravin Khaire	Unlocking natures secrete: Revealing the culprit behind Maharashtra Papaya Ring Spot Disease.	Journal of Advances in Microbiology; 24(7): 25-35 JAMB 118485 ISSN: 2456-7116	2024	5.14
66	Vaishnavi P. Kharbadkar, S.V. Kolase, S.B. Latake, M.H. Shete, A.A. Kale and M.R. Patil	Biological and chemical control of *Aspergillus niger* in sweet orange : An in vitro approach	Plant Archives 25 (2); pages 1679-1682; ISSN 0972-5210	2025	5.59
67	SB Latake, VS Shinde and AS Totre	Control of soil borne diseases of chickpea with new generation fungicides	Journal of Food Legumes 38(1); pages 120-125; ISSN ISSN online 0976-2434 Print0970-6380	2025	5.54
68	C.R. Geetha*, S.B. Latake, R.T. Gaikwad, A.M. Navale, Y.K. Randive, S.A. Karande and S.J. Deshmukh	Cultural and physiological studies against *Macrophomina phaseolina* inciting dry root rot disease in soybean	Plant Archives 25 (2); pages 176-180; ISSN 0972-5210	2025	5.59
69	P.G. Adgaonkar, A.M. Navale, V.S. Shinde, S.B. Latake, Y.G. Ban, S.J. Deshmukh, K.D. Shahare, S.T. Virkar, Y.K. Ranadive and S.A. Raut	Efficacy of bioagents and fungicides against *Pyricularia setariae* causing blast of foxtail millet under in vitro and field conditions	International Journal of Agriculture, Environment and Biotechnology 18(03); pages 01-11; ISSN ISSN : 0974-1712	2025	4.92
70	S. R. Patil, M.H. Shete, R. T. Gaikwad, D. H. Sarnobat, S. D. Shinde	Efficacy of Fungicide Molecules and Bioagents Against Charcoal Rot of Soybean	Journal of Plant Disease Sciences: 21-25,20(1)	2025	4.07
71	H. S. Shirsath, T. P. Uchitkar, D. H. Sarnobat	Efficacy of fungicides and bioagents on incidence of seed borne pathogens	International Journal of Horticulture and Food Science Vol. 7(12), pp17-21	2025	4.59

	and S. R. Zanjare	associated with black point disease, their effect on seed germination and seedling vigour index of wheat.			
72	Rutuja R. Chavan, S.V. Kolase, T.K. Narute, P.E. More and K.S. Raghuwanshi	Essential Oils as Alternatives to Synthetic Fungicides for Managing Alternaria Fruit Rot in Pomegranate (*Punica granatum* L.).	Int.J.Curr.Microbiol.App.Sci. 14(06):118-122 ISSN:2319-7706	2025	-
73	NS Nirmale, YS Saindane, UK Kadam, ST Aghav and S B Latake	Evaluation of different media for the mass multiplication of entomopathogenic fungus *Metarhizium anisopliae* (metschn.) sorokin	International Journal of Agriculture and Food Science 7 (12); pages 380-384; ISSN ISSN Print: 2664-844X ISSN Online: 2664-8458	2025	4.97
74	Sabale S.B., Kurhade K.C., Kolase S.V., Bangar V.R., Raghuwanshi K.S. and S.B. Latake	Extracellular Enzymes Activity Determining the Virulance of *Fusarium oxysporum* Causing Vascular Wilt in Chickpea.	International Journal of Advanced Biochemistry Research; SP-9(1); pages 115-120; ISSN ISSN Print: 2617-4693 ISSN Online: 2617-4707	2025	5.29
75	Pratiksha Biradar, S. B. Latake and Kasi Rao Mediga	Identification and evaluation of durable resistance to sterility mosaic disease in pigeonpea (*Cajanus cajan* L. Hutch)	International Journal of Research in Agronomy; 8 (11); pages 89-92; ISSN E-2618-0618 P-2618-060X	2025	5.20
76	Y.K. Ranadive, A.M. Navale, V.S. Shinde, S.B. Latake, Y.G. Ban, S.J. Deshmukh, C.R. Geetha and P.G. Adgaonkar	In Vitro and field evaluation of bioagents and fungicides against *Pyricularia grisea* causing leaf blast disease in finger millet	International Journal of Agriculture, Environment and Biotechnology 18(04); pages 01-10; ISSN ISSN : 0974-1712	2025	4.92
77	Bachkar D.A.,Kolase S.V., Sarnobat D.H. ,Munde B.N. and Patil M.R.	In vitro efficacy of fungicides against *phytophthora nicotianae* causing buckeye rot disease of tomato.	Ecology, Environment and Conservation – 31 July 2025 pp S360- S363	2025	5.05
78	S.T. Virkar, SV Kolase, S.B. Latake, V.S. Shinde, S.A. Raut, P.G. Adgaonkar and S.J. Deshmukh	In vitro efficacy of systemic fungicides, bioagents and phytoextracts against *Colletotrichum truncatum* infecting soybean crop	International Journal of Agriculture and Food Science 7 (11); pages 562-566; ISSN ISSN Print: 2664-844X ISSN Online: 2664-8458	2025	4.97
79	S. J. Deshmukh, S. B. Gawade, S. B. Latake, S. V. Kolase, R. T. Gaikwad, S. D. Shinde, D. H. Sarnobat, B. Y. Pawar and S. A. Raut	In vitro evaluation of fungicides, essential oils and bioagents against alternaria leaf spot of ashwagandha (*Withania somnifera* L.) caused by *Alternaria arborescens*.	Plant Archives Plant Archives Vol. 25. Supplement 2, pp, 453-460 e-ISSN:2581-6063 ISSN:0972-5210	2025	5.59
80	Prachi Bankar, Sudarshan Latake, Geetha C R	In vitro Evaluation of rhizospheric and endophytic microflora against *Macrophomina phaseolina* causing dry root rot of chickpea	International Journal of Novel Research and Development 10 (10); pages 784-793; ISSN 2456-4184	2025	-
81	Katkar P.S., S.V. Kolase, V.S. Shinde, R.T. Gaikawad and S. R, Shelar	Isolation and characterization of Nitrogen Fixing, Phosphate and Potash Solubilizing bacteria and Their Inoculation Effect on Maize (*Zea mays* L.)	International Journal of Agriculture and Food Science, 7(12):360-365. ISSN Print: 2664-844X ISSN Online: 2664-8458 IJAFS 2025; 7(12): 360-365	2025	4.97
82	V. R.Wable , V. S. Shinde , S. B. Latake , U. S. Dalvi and G. S. Pagire	Leaf anatomical differences in resistant and susceptible maize genotypes against Turcicum leaf blight disease	Journal of Plant Disease Sciences 20 (1); pages 17-20; ISSN ISSN 0973-7456	2025	4.07
83	N. V. Pagar, S. V. Kolase, D. H. Sarnobat, V. S. Shinde and A. V. Suryawanshi	Management of Seed Borne Mycoflora of Wheat (*Triticum Aestivum* L.) Using Fungicides and Bioagent	Journal of Agricultural. Research and Technology, 50 (2) : 131-138	2025	-
84	D. V. Nikam, A.V. Suryawanshi, D. Sarnobat, V. S. Shinde	Management of Seedborne Mycoflora of Groundnut (*Arachis hypogaea* L.)	Journal of Agricultural. Research and Technology, 50 (1) : 104-111	2025	-

85	SA Raut, AD Lokhande, Vinita Yadav, SB Latake, SJ Deshmukh, DP Shinde and DB Wadekar	Morphological and physiological characterization of *Colletotrichum gossypii* and *C. dematium* infecting Cotton (*Gossypium* spp.)	International Journal of Research in Agronomy; 8(7); pages 95-99; ISSN E-ISSN: 2618-0618 P-ISSN: 2618-060X	2025	5.20
86	Khaire P B, Aghav S T, Shukla A, Kolase S V, Gowda CC and Navale A M	New Record of Mite *Schizotetranchus baltazari* Rimando on Neem Leaves	Indian Journal of Entomology 88: 619-621, e25045 DoI. No.: 10.55446/IJE.2025.2045	2025	5.98
87	S. S. Gawade , N. S. Kute , A. R. Aher , S. B. Latake , M. R. Patil , A. S. Totre and P. P. Desai	Stability analysis of yield and yield contributing traits in chickpea genotypes under different sowing environments in India	Journal of Advances in Biology & Biotechnology 28 (9); pages 527-536; ISSN 2394-1081	2025	5.3
88	D. V. Bhokse, S. B. Latake, S. R. Lohate and B. M. Bansode	Status of early blight disease caused by *Alternaria solani* in major potato growing region of Western Maharashtra	International Journal of Advanced Biochemistry Research ; SP-9(1); pages 416-418; ISSN ISSN Print: 2617-4693	2025	5.29
89	R. Kolhe, S. Latke and P. Kulwal	Characterization of races of chickpea wilt in Maharashtra	J of Agricultural Research and Technology, 51 (2); pages 246-252; ISSN 2230-9705	2026	3.34
90	YR Pawar, NK Bhute, SB Kharbade, UK Kadam, ST Aghav and S B Latake	Effect of de-topping and growth regulators on incidence of sucking pest of Bt cotton (*Gossypium hirsutum*)	International Journal of Research in Agronomy 9(4); pages 16-21; ISSN E-ISSN: 2618-0618 P-ISSN: 2618-060X	2026	5.20
91	Aditi Rajesh Joshi, SV Kolase, S B Latake, V S Shind, S A Raut, D H Sarnobat,Vaibhavi Vitthalrao Ganjare, Snehal Sudam Mali, Anuja Sharad Turkane	Effect of different culture media on the growth and sporulation of *Macrophomina phaseolina* causing dry root rot of pigeonpea	International Journal of Agriculture and Food Science; 8(9): 694-698; ISSN Print: 2664-844XI Online: 2664-8458	2026	4.97
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96	Pallavi B. Bhalerao, S.V. Kolase, S.B. Latake, B.T. Patil and M.R. Patil	In vitro Evaluation of Bioagents Against *Sclerotium rolfsii* causing Collar Rot in Brinjal.	International Journal of Agriculture and Food Science 8(4); pages 457-460; ISSN 2664-844X	2026	4.97
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