Faculty Profile

Personal Details

Name	Dr. M.G.Patil	
Designation	Assistant Professor, Department of Plant Pathology, COA, Parbhani.	
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Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Sc.	Agriculture	VNMKV, Parbhani, M.S.	2001
M.Sc.	Plant Pathology	Dr. PDKV, Akola, M.S.	2003
Ph.D	Plant Pathology	JNKVV, Jabalpur, M.P.	2015
Additional Qualification (if any): Additional Degree/Diploma/NET/SET			
MS-CIT			2004

Professional Experience

Stream	Years	Stream	Years
Teaching	17 Years	Research	17 Years
Extension	17 Years	Administration	--

Area of Research/Interest
Seed Pathology

Research Guidance

Degree	No. of Student & Guided
M.Sc./M.Tech	15
Ph. D.	-

Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Experimental investigation on the effect of soil solarization incorporating black, silver and transparent polythene and straw as much on the microbial population and weed growth	Chemosphere : 336 (2023) 139263	1879-1298	**13.09**
02	Efficacy of bioagents on the incidence of *Alternaria alternata*, seed germination and seedling vigour index of black gram	Journal of Plant Disease Sciences: 5-9,19(1):2024	0976-2388	4.20
03	Efficacy of systemic fungicides on the incidence of *Fusarium oxysporum*, seed germination and seedling vigour index of black gram	Journal of Plant Disease Sciences10-14,19(1):2024	0976-2388	4.20

4	Pallavi B. Bhalerao, **Meenakshi G. Patil** and Rutuja R. Chavan: In vitro evaluation of different bioagents *Alternaria solani.*	The Pharm Innovation Journal 2021; 10(12): 2823-2824	2277-7695	5.23
5	**Minakshi Patil**, Satish Kachare and Om Gupta : Assessment of genetic diversity of *Fusarum oxysporum* f.sp. *ciceri* using SSR markers.	Asian Jr. of Microbiol, Biotech. Envirnment .Sci. Vol. 23, No. (4) 2021 ; 43-47	0972-3005	4.93
6	Hale S. M, , **Patil M.G**, Chapke S.M. and Ambadkar : Cultural, morphological and pathogenic variability among the different isolates of *Fusarium oxysporum* f. sp. *ciceri.*	International Journal of Chemical Studies 2020; 8(6): 1195-1201	2349-8528	5.30
7	S.M. Chapke, D.S. Bharti, P.L. Sontakke, **M.G. Patil** : In vitro efficacy bio-agents against bacterial leaf spot of chilli caused by by *Xanthomonas axonopodis* pv. *Vesicatoria.*	Int. Journal of Current Microbiology and Applied Sciences 2020; 9(12): 106-111	2319-7706	4.9
8	Hale S. M, , **Patil M.G,** Chapke S.M. and Ambadkar : Cultural, morphological and pathogenic variability among the different isolates of *Fusarium oxysporum* f. sp. *ciceri.*	International Journal of Chemical Studies 2020; 8(6): 1195-1201	2349-8528	5.30
9	Hale S. M, **Patil M.G,** Chapke S.M. and Ambadkar C.V. :Effect of root exudates of chickpea cultivars on *Fusarium oxysporum* f. sp. *ciceri (*Padwick) Synder and Hans.	Journal of Pharmacognosy and Phytochemistry 2020;9(6):1369-1372	2278-4136	5.3
10	**Minakshi Patil,** Om Gupta and P.K. Rathod (2017): Morphological, Cultural and Pathogenic Variation in races and variant of *F. oxysporum f.* sp *ciceris* from seven locations of central zone of India.	*International Journal of Applied and Pure Science and Agriculture* Vol.03 (1) Pp 66-70.	ISSN-2394-5532	4.8

Credentials:

Particulars	**Numbers**	**Particulars**	**Numbers**
Research Articles	40	Popular Articles	100
Books / Booklets	05	Book Chapters	05
Research/Technology Recommendations	07	Varieties Developed	--
Patents	--	Abstracts Published	80
Technical Publication	10		

Significant Achievements (Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	**Year**
In organically grown soybean for effective and economical management of pod blight, anthracnose (on leaves) and charcoal rot (stem), the soil application of *Trichoderma harzianum* @ 5kg/ha before sowing, seed treatment @ 10 gm/kg of seed and 2% foliar spray is recommended.	2022
The soil application of *Trichoderma asperellum* @ 5 kg/habefore sowing and seed treatment @ 10 gm/kg of seed is recommended for effective and economical management of Fusarium wilt, Sclerotium and Rhizoctonia rot in organically grown gram.	2022
For obtaining higher yield, net monetary returns and improving soil health in organically grown soybean, it is recommended to apply 100 % RDN (30 kg/ha) through Vermin-compost (3.0 t/ha) or to apply 100 % RDN (30 kg/ha) through 33% FYM (2.0 t/ha) + 33% Vermin-compost (1.25 t/ha) + 33% neem cake	2023

(285 kg/ha) at the time of sowing.	
For obtaining higher yield, net monetary returns and improving soil health in organically grown pigeon pea, it is recommended to apply 100% RDN (25 kg/ha) through 33% FYM (1.7 t/ha) + 33% Vermin-compost (1.0 t/ha) + 33% neem cake (230 kg/ha) at the time of sowing.	2023
To obtain higher yield, net monetary returns and improve soil health in organically grown cotton, it is recommended to apply 100% RDN through vermicompost @6.0 t/ha. or to apply 100% RDN through 33% FYM (4.0 t/ha)+33% vermicompost (2.0 t/ha)+33%Neem Cake (572kg/ha) before sowing	2024
To obtain higher yield, net monetary returns and improve soil health in organically grown gram, it is recommended to apply 100% RDN through 33% FYM 1.7 t/ha.+33% vermicompost (850kg/ha)+33%Neem Cake (240kg/ha) or apply 100% RDN through vermicompost (2.5 t/ha)before sowing	2024
Maize seed biopriming with *Tricoderma harzianum*@ 10g/liter water for 12 hrs (10 gm T. hz. + 1 lit. water + 1 kg seed + 12 hrs. soaking) before sowing i recommended for effective and economical management of Seed rot&Seedlin blight.	2024

Externally Funded Projects: Implemented/Handled/Assisted

Sr. No.	Project	Funded by	PI/Co-PI
1.	NAHEP-CAAST, DFSRDA, VNMKV, Parbhani	World bank (**17.88crore/-)**	Core-team member
2.	OFRTC, VNMKV, Parbhani	A State Government of Maharashtra (**5.00crore/-)**	Member scientist
3	Establishment of Plant Health Clinic at Depart. of Plant Pathology, VNMKV, Parbhani	Chief Minister fund Government of Maharashtra (**1.29crore/-)**	Co- Project In-charge
4	VNMKV-Rajiv Gandhi Science and Technology Commission	RGST,GOM (4 Lakhs/**-)**	Pricipal Investigator

Awards/Recognitions (Top Five)

1.	Environment Protection Research Award	5th International conference on Climate change and its impact (CCI-2023) June 9-11, 2023 at Sher-e-Kashmir University of Agril. Sciences&Technology, Shrinagar, J&K
2	Best Poster Presentation Award	12thNSC-23. on Innovations and Challenges in quality seed availability under changing climate11-13, Dec. 2023 at hotel Taj Vivanta, Aurangabad
3	Best Poster presentation Award	5th International conference on Climate change and its impact (CCI-2023) June 9-11, 2023 at Sher-e-Kashmir University of Agril. Sciences&Technology, Shrinagar, J&K
4	Eminent scientist awards 2022	3rd International conference "Innovative approaches in agriculture, Horticulture & allied Sciences"29-31 March, 2023 jointly organized by SGT University, Gurugram, Chandigarh.
5	Best Paper Presentation Awards	National Symposium (Virtual) on Probing beneficial microorganisum for next green revolution by Association of plant pathologist, Akola and IPS, New Delhi, during 25-26 Feb, 2021.