

BRIEF BIO-DATA

1. **Name and full correspondence address** : **Dr. Mohini Panditrao Patil**
Assistant Professor
Department of Microbiology
R. C. Patel Arts, Commerce and Science
College, Shirpur-425405, Near Karvand Naka
Dist.- Dhule, Maharashtra, India.
2. **Email and contact number** : mohinirpatil.rcp@gmail.com
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3. **Institution** : R. C. Patel Arts, Commerce and Science
College,
Shirpur-425405, India.
4. **Date of birth** : 14 September 1986
5. **Gender** : Female
6. **Category** : OBC
7. **Whether differently abled** : No

8. Academic qualifications (Undergraduate onwards)

Degree	Year	Subject	University	Marks (%)
B. Sc.	2007	Microbiology	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon-425001	69.50
M. Sc.	2009	Microbiology		69.55
Ph. D.	2017	Microbiology	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon-425001	By thesis
SET	2020	Life Sciences	Pune University, Pune (UGC, New Delhi)	--

9. Ph. D. details

Thesis title : Probing the microbial endophytes in indigenous medicinal plant(s) for production of biologically active compounds
Guide name : Prof. V. L. Maheshwari (VC, KBCNMU, Jalgaon)
University : Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Year of award : June 2017

10. Work experience (in chronological order)

S. No.	Positions held	Name of the Institute	From	To
1.	Assistant Professor, Department of Microbiology	R. C. Patel Arts, Commerce and Science College, Shirpur-425405	August 2012	Jan 2013
2.	Project Fellow		Feb. 2013	Jan. 2016
3.	Assistant Professor, Department of Microbiology		Feb. 2016	April 2018
4.	ICMR Research Associate		May 2018	April 2020
5.	Assistant Professor, Department of Microbiology		May 2020	Till date

11. Professional recognition/Award/Prize/Certificate, Fellowship received by the applicant

S. No.	Name of Award	Awarding agency	Year
1.	Research Project Fellowship	DST	2013
2.	Research Associate Fellowship	ICMR, New Delhi	2018

12. Publications (List of papers published in SCI Journals)

S. No.	Author(s)	Title	Name of Journal	Publisher	Year
1.	Ravindra Patil, Samadhan Patil, Vijay Maheshwari, Mohini Patil	Inhibitory kinetics and mechanism of pentacyclic triterpenoid from endophytic <i>Colletotrichum gigasporum</i> against pancreatic lipase,	Elsevier: International Journal of Biological Macromolecules (IF 8.02)	Elsevier	2021
2.	Mohini P. Patil, Ravindra H.	Microbial transformation of crop residues into a nutritionally	SN Appl. Sci.	Springer	2020

	Patil, Vijay L. Maheshwari	enriched substrate and its potential application in livestock feed.			
3.	Mohini P. Patil, Ravindra H. Patil	Data on the inhibitory effect of endophytic fungi of traditional medicinal plants against pancreatic lipase (PL),	Data in Brief,		2019
4	Mohini Patil, Ravindra Patil, Bhushan Bhadane, Shahid Mohammad, Vijay Maheshwari	Pancreatic lipase inhibitory activity of phenolic inhibitor from endophytic <i>Diaporthe arengae</i> ,	Biocatalysis and Agricultural Biotechnology,	Elsevier	2017
5	Mohini Patil, Ravindra Patil, Shahid Mohammad, Vijay Maheshwari	Bioactivities of phenolics-rich fraction from <i>Diaporthe arengae</i> TATW2, an endophytic fungus from <i>Terminalia arjuna</i> (Roxb.),	Biocatalysis and Agricultural Biotechnology	Elsevier	2017
6	S. G. Patil, M. P. Patil and R. H. Patil	In vitro anti-hypercholesterolemic activity of <i>Calotropis procera</i> (Aiton) using human erythrocytes	<i>Biocatalysts and Agricultural Biotechnology</i>	Elsevier	2016
7	Samadhan G. Patil, Bhushan S. Bhadane, Mohini P. Patil, Sateesh Belemkar and Ravindra H. Patil	In vitro antioxidant activity, oral toxicity studies and preliminary phytochemical characterization of bark extract of <i>Terminalia arjuna</i> (L)	<i>Journal of Pharmacy and Nutrition Sciences</i>	Springer	2016
8	R. H. Patil, M. P. Patil and V.L. Maheshwari	Rapid chromatographic determination and structural confirmation of β -hydroxy acid form of lovastatin in the fermentation broth of <i>Aspergillus terreus</i> PM03.	<i>Pharmaceutica l Chemistry Journal</i>	Springer	2015
9	R. H. Patil, M. P. Patil and V.L. Maheshwari	'Biological activities and identification of bioactive metabolite from endophytic <i>Aspergillus flavus</i> L7 isolated from <i>Aegle marmelos</i> '	<i>Current Microbiology.</i>	Springer	2015
10	S. G. Patil, M. P. Patil, V.L. Maheshwari and R. H. Patil,	<i>In vitro</i> lipase inhibitory effect and kinetic properties of di-terpenoid fraction from <i>Calotropis procera</i> (Aiton).	<i>Biocatalysts and Agricultural Biotechnology</i>	Elsevier	2015
11	M.P. Patil,	Endophytic Mycoflora of Indian	<i>International</i>	Springer	2014

	R.H. Patil, S.G. Patil and V.L. Maheshwari	Medicinal Plant, <i>Terminalia arjuna</i> and their Biological Activities.	<i>Journal of Biotechnology for Wellness Industries</i>		
12	R. H. Patil, M. P. Patil and V.L. Maheshwari	Isolation and HPTLC densitometric analysis of rutin in the broth extract of endophytic <i>Aspergillus flavus</i> from <i>Aegle marmelos</i> .	<i>Journal of Biologically Active Products from Nature</i>	Elsevier	2014
13	Mohini P. Patil, Ravindra H Patil, Vijay L. Maheshwari	A novel and sensitive agar plug assay for screening of asparaginase-producing endophytic fungi from <i>Aegle marmelos</i> .	<i>Acta Biologica Szegediensis</i>	Springer	2013
14	Patel S, Patil M & Patil R	Biosorption of reactive dyes by pellets of <i>Aspergillus ochraceus</i> (ncim-1140) and <i>Rhizopus oryzae</i> (NCIM-997)	<i>International Journal of Biotechnology and Biosciences</i>	Elsevier	2012

13. Books/Reports/Chapters/General articles etc.

S. No.	Title	Authors name	Publisher	Year of Publication
1	Apocynaceae Plants: Ethnobotany, Phytochemistry, Bioactivity and Biotechnological Advances	Patil, R.H., Patil, M.P., Maheshwari, V.L.	Springer	2023
2	Pancreatic Lipase (PL) Inhibitors from Medicinal Plants and Their Potential Applications in the Management of Obesity. In: Maheshwari, V.L., Patil, R.H. (eds) Natural Products as Enzyme Inhibitors	Patil, S., Patil, M., Maheshwari, V.L., Patil, R.H.	Springer	2022
3	Recent Updates on In Silico Screening of Natural Products as Potential Inhibitors of Enzymes of Biomedical and Pharmaceutical Importance. In:	Patil, M., Patil, S., Maheshwari, V.L., Zavar, L., Patil, R.H	Springer	2022

	Maheshwari, V.L., Patil, R.H. (eds) Natural Products as Enzyme Inhibitors			
4	In Situ Probing of Endophyte Natural Products with DESI-Imaging Mass Spectrometry: in R. H. Patil, V. L. Maheshwari (eds.) Endophytes: Potential Source of Compounds of Commercial and Therapeutic Applications	Samadhan Gopal Patil, Mohini Panditrao Patil , Vijay Laxminarayan Maheshwari, and Ravindra Himmatrao Patil	Springer Nature	2021
5	Ethnopharmacology, phytochemistry and biotechnological advances of family Apocynaceae: A	Bhushan S. Bhadane Mohini P. Patil , Vijay L. Maheshwari and Ravindra H. Patil	review. Phytotherapy Research	2018
6	Endophytes: Potential Source of Therapeutically Important Secondary Metabolites of Plant Origin. In: Maheshwari D., Annapurna K. (eds) Endophytes: Crop Productivity and Protection. Sustainable Development and Biodiversity	Mohammed S.I., Patil M.P. , Patil R.H., Maheshwari V.L	Springer Nature	2017
7	Bioactive Secondary Metabolites From Endophytic Fungi: A Review of Biotechnological Production and Their Potential Applications, In: Atta-ur-Rahman, Editor(s), Studies in Natural Products Chemistry,	Ravindra H. Patil, Mohini P. Patil , Vijay Laxminarayan Maheshwari	Elsevier	2016

14. Responsibilities shouldered in the department/college

a. Team Member, State Level Microbiological Contest- Screening (12 Events yearly)

- b. Member of Organizing Committee, National Level Faculty Development Programme sponsored by AICTE, New Delhi, India.

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