

Faculty Details



Dr. Pranita Vishwanath Raithak

Contact number

94039612086, 8625926968

E-mail

praithak@yahoo.co.in

Designation

Assistant Professor (Contractual)
Department of Botany, Dr. Babasaheb
Ambedkar Marathwada University,
Aurangabad

Research Area

- Plant pathology,

Number of research papers presented in National/ International conference	13
Number of research papers published in peer reviewed National and International journals	17
Citations – 20 SCOPUS	h-index – 03 SCOPUS
Patents Published 01	“Smart Farming Machine with Watering and Fertilization Unit” Indian Design Grand Patent No. 391511, Filed 29-07-2023.

Resume

1. **Name** : **Dr. PRANITA VISHWANATH RAITHAK**
2. **Husband / Father's name** : Dr. SANDEEP TUKARAM ATKORE
3. **Postal address** : C/O T-11, Green University staff Quarter,
Dr. B.A.M. University, Aurangabad-431001 (M. S.)
INDIA
Mobile No. 8275611208, 8625926968
4. **E-mail** : pranitaraithak_25@rediffmail.com
5. **Permanent address** : House no. 1-19-445
'Vishwaganga' Niwas,
Harsh Nagar, near Baba nagar,
Nanded-431605 (M. S.) INDIA
6. **Date of Birth** : 09-12-1983
7. **Married / Unmarried** : Married
8. **Category** : SC
9. **Academic record** :

Degree	Period of study	School/ College/ University	Subjects Offered	Division/ Grade	Percentage of marks
S.S.C.	Feb.-2000	Latur Board	English, Sanskrit, Math, Marathi, Science, History, Geography	I st class	60.80%
H.S.C.	March-2002	Latur Board	Chemistry, Physics, Biology, English, Hindi, Crop Production	II nd class	45.67%
B.Sc. (I,II,III) year	Oct/Nov. 2002-05	S.R.T.M. University, Nanded.	Zoology, botany, computer application	I st class with distinction	71.75%
B. Ed.	April/May 2006-2007	S.R.T.M. University, Nanded.	Sciences, Mathematics	I st class	62.37%
M.Sc. (I,II) year	April/May 2007-09	S.R.T.M. University, Nanded.	Botany	I st class with distinction	80.00%
Ph.D. Degree	30 June 2009 to 15 Jan. 2015	S.R.T.M. University, Nanded	Botany	26 th June 2015	Pass

10. Scholarships, medals, Fellowships, Distinctions or Honors received during your University / academic career

M. Sc. Botany	Certificate of Merit University III rd rank
Ph.D. Degree	Rajiv Gandhi National Fellowship for SC/ST candidates 2009-2014 No. F. 14-2(SC)/2009 (SA-III)

11. Job/Research Experience

Nature of Job	Details (Organization)	Year (Duration)
Ph. D. Research	Dept. of Botany, NES Science College, Nanded	2009-2015
CHB Teaching UG student	NES Science College, Nanded	2009-2011
CHB Teaching UG student	Milind Science College, Aurangabad	18 July 2016 to 30 March 2020
Assistance Professor Contract Basis (PG Student) 24000/- rupees per month	Dept of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	01 Jan 2021 to 31 Aug 2021 & 1 Sept 2022 to 30 June 2023 & 17 Aug. 2023 to 30 June 2024
Assistance Professor Contract Basis (PG Student) 32000/- rupees per month	Dept of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	17 Aug. 2024 to 30 June 2025
Total 11 years UG/PG level teaching experiences		

12. Title of Ph. D. thesis and name of supervisor

“Studies on Bio-Chemical Properties of plant extracts and root exudates of virus infected tomato plants.”

Research Guide : **Dr. B. D. Gachande**
Status : Associate Professor
Address : P. G. Department of Botany,
NES Science College, Nanded (Maharashtra)

13. Patent:

1) **“Smart Farming Machine with Watering and Fertilization Unit” Indian Design Grand Patent No. 391511, Filed 29-07-2023.**

14. Book Published: 01, Research Methodology (ISBN NO. 978-93-340-3681-7)**15. Provide details of demonstrable research experience (e.g. publications.) :**

Papers published in national and international List of Publications (Include one set of Xerox copy)

Sr. No.	Title	Journal Name	Author name & year
1	Highly Efficient Bimetallic catalyst for the synthesis of N-substituted Decahydroacridine-1,8-diones and Xanthene-1,8-diones: Evaluation of their Biological Activity	Current Organic Synthesis	P. V. Raithak, S. T. Atkore, Ravi Varala, 2024,21, 345-356.

2	Synthesis and Anti-oxidant Evaluation of Indole Quinoline Derived Chalcones	Asian Journal of Chemistry	P. V. Raithak* , A. S. Dhabe, S. T. Atkore, M. M. Alam, 2022 , 34 (1), 235-238.
3	Synergetic Catalytic Bleaching Earth Clay and PEG-400 for Rapid Synthesis of Polyhydroquinoline Derivatives and Their DPPH Radical Scavenging Activity	Indian Journal of Heterocyclic Chemistry	P. V. Raithak* Arvind Dhabe, S.T Atkore, 2022 , 32 , 01 , 85-90
4	Sequestration, refining of secondary metabolites and their antimicrobial activity of <i>Berberis aristata</i> root	<i>Caribbean Journal of Science and Technology</i>	P. V. Raithak* Arvind Dhabe, S.T Atkore, 2021 , 9,1, 54-61
5	Synthesis of 14-Substituted-14H-Dibenzo[<i>a,j</i>]Xanthene Derivatives in Presence of Effective Synergetic Catalytic System Bleaching Earth Clay and PEG-600	<i>Catalyst (MDPI)</i>	P. V. Raithak* and S.T Atkore, G. M. Bondle, 2021 , 11 (11), 1294
6	Identification of metabolites and Evaluation of the seeds of <i>Abrus precatorius</i> (L.) by high resolution mass spectrometry	Research Square	P. V. Raithak* and S.T Atkore, G. M. Bondle, 2021 , 7 (1), 008-014
7	High Resolution Liquid Chromatography Mass Spectrometry - A Tool for Structural Elucidation of Seed Metabolites of <i>Abrus Precatorius</i> (L.)	<i>Caribbean Journal of Science and Technology</i>	P. V. Raithak* and S.T Atkore, G. M. Bondle, 2019 , 7 (1), 008-014
8	Biochemical Analysis in root exudates of Healthy and Virus Infected Tomato Plants	<i>International Journal of Recent Scientific Research</i>	P. V. Raithak* and B. D. Gachande, 2017 , 8 (1), 15082-15084
9	Studies on Phyllospheremycoflora of healthy and virus infected tomato plants	<i>Asian Journal of Plant Science and Research</i>	P. V. Raithak* and B. D. Gachande, 2013 , 3(1):159-162
10	Effect of culture filtrates of tomato plant pathogenic fungi on seed germination and seedling growth of tomato (<i>Lycopersicon esculentum</i> Mill.),	<i>Current Botany</i>	P. V. Raithak* and B. D. Gachande, 2013 , 4(1): 09-11
11	Effect of Virus Infection on Biochemical Parameters of Tomato Plants	<i>International Journal of Recent Scientific Research</i>	P. V. Raithak* and B. D. Gachande, 2012 , 3(11): 997-1000
12	Changes in pigment contents of virus infected tomato plant	<i>Asian Journal of Biology and Biotechnology</i>	P. V. Raithak* and B. D. Gachande, 2012 , 1(1): e113

13	Isolation and production of protease enzyme from rhizospheric fungi of virus infected tomato plants	<i>BIOINFOLET</i>	P. V. Raithak* and B. D. Gachande, 2012 , 9, 3, 385-386
14	<i>In vitro</i> amylase production by rhizospheric fungi isolated from virus infected tomato plants	<i>BIOINFOLET</i>	P. V. Raithak* and B. D. Gachande, 2012 , 9, 3, 387-388
15	Biochemical Changes in Tomato Plants Infected by <i>Yellow Mosaic Virus</i>	<i>BIOINFOLET</i>	P. V. Raithak* and B. D. Gachande, 2011 , 8, 3, 291-296

**15. Attended Conferences, Workshops, Seminar (International, National & State Level)
(Include one set of Xerox copy)**

1	One Day Workshop in New Education Policy (NEP)-2020	Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 31 July 2023
	National Conference on Bioresources-2023	Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 7-8 January 2023
2	National Conference on Recent Trends in Plant Science	Milind College of Science, Aurangabad, 14-15 February 2020
3	Pre Science Congress-2014 Science & Technology for Human Development	ISCA-Aurangabad Dr. BAM University Aurangabad 30-31 Dec. 2014
4	Anveshan, 2012-13 Research Convention	Yeshwant Mahavidyalaya, Nanded 11 Feb. 2013
5	Recent Trends and Future Prospects in Life Sciences	Mahatma Gandhi Mahavidyalaya, Ahmedpur, Dist. Latur (MS), 27-28 December 2012
6	Mycodiversity with its Sustainable Exploration & Biotechnological Applications	Shri. Shivaji Science College, Amravati-444603, 6-7 Feb. 2012
7	Workshop on Interdisciplinary Nanoscience	S.R.T.M. University, Nanded 26 Feb. 2012
8	Management of Quality Education & Research in Life Sciences	School of Life Sciences, S.R.T.M. University, Nanded 7-8 March 2011
9	Recent Trends in Plant Sciences For Rural Development	Nagnath Arts, Commerce & Science College, AundhaNagnath Dist. Hingoli 20-21 Feb. 2010
10	Frontiers in Plant Diseases: Diagnosis & Management	Maharashtra Mahavidyalaya, Nilanga Dist. Latur 4 Jan. 2010
11	Celebrating Biodiversity-2010	NES Science College, Nanded 23-24 Dec. 2010
12	Plant Biology & Biotechnology	Lal Bahadur Shastri Mahavidyalaya, Dharmabad, Dist. Nanded, 21-22 Nov. 2009

13	Changing Role of Plant Science in Biotechnology & Bioprospecting	NES Science College, Nanded 20-21 Sept. 2008
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