

Mrs. Vaishali Randive(Shitole)

Assistant Professor, Researcher

CONTACT

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SKILLS

Isolation and Identification
of Bacteria and Fungi.

TVC, DMC, other microscopy
techniques

Chromatography(Paper, TLC,
Gel filtration)

Electrophoretic techniques(
Agarose, PAGE)

LANGUAGE

English, Marathi, Hindi

PERSONAL DETAILS

Gender- Female

Marietal status: Married

DOB: 28/06/1981

HOBBIES

Reading, Cooking, Listening
music.

PROFILE

Experienced professional in the field of microbiology and biotechnology teaching and research. Enjoy creative problem solving and exposure to multiple projects, and I would excel in the collaborative environment which will definitely help in growth and development of organization.

EDUCATION

Ph.D(Microbiology)

Registered at Savitribai Phule Pune University (Registration date 13 March 2018)

Highlights of Ph.D Work:

Topic: Bioprospective of Rhizosphere Microflora of Endemic Plants for Sustainable Agriculture.

- Isolation and of PGPR from rhizosphere of endemic plant species.
- Screening of bacteria with multiple plant growth promoting activity.
- Screening of PGPR for Antifungal and nematicidal activity.
- Pot and Field trial of potent isolate and their consortium (PGPR, Antifungal and Nematicidal) on selected crops.

M.Sc(Microbiology)

2003, Department of Microbiology Savitribai Phule Pune University, 1st class(60%)

B.Sc(Microbiology)

Shardabai Pawar Mahila Mahavidyalay, Shardanagar, Malegaon, Baramati June 2001 with **Distinction(70%)**

SET

Qualified SET for lectureship for Maharashtra in 2008

WORK EXPERIENCE

19 years of professional experience as an assistant professor(Adhoc) in biotechnology in premier institutes affiliated to Savitribai Phule Pune University, Pune that includes:

1. Dept of Biotechnology , Modern College, Ganeshkhind Pune From July **2013** till the date
2. Dept of Biotechnology , Pad. Dr, D.Y.Patil ACS College Pimpri, Pune From **2004** to **2012**
3. Visiting Faculty at B.Voc(**Food Science and Green house technology**) Modern College, Ganeshkhind Pune From July **2013** till the date in the year 2014-15.

RESEARCH EXPERIENCE

1. Worked As Co investigator of a project funded by BCUD, University of Pune entitled “ **Isolation of Cellulose producing *Acetobacter xylinum* from kombucha tea and use of Industrial waste for large scale production of cellulose**”(**2006-08**).
2. I have worked as project supervisor for T.Y.B.Sc.(Biotech) and M.Sc project for the fulfillment of graduate/ post graduate degree of university of Pune from academic year 2004 till the date.
3. Guided a research project of B.Tech(Biotech) students from Modern College of Agriculture Biotechnology affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri in the year 2018 and 2019.

ROLES AND RESPONSIBILITIES PERFORMED

At College level

- Taught various subjects such as Microbiology, Agriculture and food Microbiology, Industrial Microbiology and fermentation technology, Environmental Microbiology Bioprocess engineering, Bacteriology etc at U.G and P.G level.
- Member in college committees such as Placement cell, NSS, Dead stock, Internal Examination, Science exhibition etc.
- Involved in arrangement of various workshops, conference and Hands on training programs arranged by department under DBT STAR scheme.
- Worked for NAAC preparation 2017 and 2022
- In charge Member Department Biosafety Committee.
- Class Advisor for T.Y B.Sc(biotech) class since 2014-15 to 2019-20, F.Y. B.Sc(biotech) from 2020- 21 and 2021-22.

At SPPU

- Member, Syllabus restructuring at F.Y (Papers: Microbiology- I and II), S.Y(Paper: Microbial Biotechnology), T.Y.B.Sc, (Paper: Industrial Microbiology) Theory and practical course for Biotechnology course CBCS 2019, and 2024NEP2020 pattern at Savitribai Phule Pune University.
- Chairman, Paper setting at T.Y.B.Sc(Biotechnology) in the year 2018-19.
- Chairman, CAP at T.Y.B.Sc(Biotechnology) in the year 2018-19.
- Coordinator, T.Y.B.Sc(Biotechnology) Practical Examination 2019-20
- Chairman, Paper setting F.Y.B.Sc(Biotechnology) 2019
- Worked as Paper setter and examiner at F.Y., S.Y., T.Y.B.Sc, (Biotechnology) examination conducted by SPPU, Pune from 2010 till the date.

PUBLICATIONS

1. Randive V, Belhekar S, Paygude S Production of bioethanol from *Eichhornia crassipes* (Water Hyacinth) International Journal of Current Microbiology and Applied Sciences 2015 Vol.4 Special Issue 2 pp.399-406 ref.13
2. Textbook of Microbiology for F.Y.B.Sc, (Biotechnology). Nirali Publication, Pune in 2019-20
3. Randive V, Agnihotri S, Bhagat R Screening and Optimization of IAA Production by PGPR Isolated from Rhizosphere of a *Pterocarpus marsupium* Roxb. and their Effect on Plant Growth Current (2024) Agriculture Research Journal 12(1):326-338 <https://dx.doi.org/10.12944/CARJ.12.1.26>.

Accepted articles

Vaishali Randive, Snehal Agnihotri, Rani Bhagat Effect of Phosphate Solubilizing Bacteria with Multifarious Plant Growth Promoting Traits on Growth of Mung Bean **South Asian journal of experimental biology**

Vaishali Randive, Tanuja Taru, Vanita Shinde, Pooja Rana, Rani Bhagat Management of soil phosphorous using phosphate solubilizing microorganisms: A sustainable approach. **South Asian journal of experimental biology**

SEMINARS, CONFERENCE AND FDP ATTENDED

1. Successfully completed Online Course on Bioinformatics : Its Application in Life Sciences organized by Microbiologist Society of India (Jan 2022:20 hrs)
2. Attended and presented a paper at Online International conference on Biotechnology in Conservation and Sustainable development organized by Department of Biotechnology, Modern College of Arts, Science and Commerce Shivajinagar, Pune on 1-3 February 2022.
3. Successfully Completed UGC STRIDE sponsored online training program on Environment Sustainability and Research Ethics organized by school of bioscience, Avinashilingam Institute for Home Science and Higher Education for Women, Tamilnadu, India.

4. Successfully completed one week Faculty Development Program on National Education Policy 2020 organized under Ministry of Education sponsored PMMMNMTT organized by TLC, Ramanujan College New Delhi (28 March – 3 April 2022) with A grade.
5. Participated in International Conference on “Recent Trends In Life Sciences” ICRLTS-2018 sponsored by SPPU 2nd and 3rd February 2018, organized by department of Zoology, Modern College of Arts, Science and Commerce Ganeshkhind ,Pune.
6. Participated in National workshop on “Use of appropriate softwares in Mathematical Modelling and Statistical Analysis” held on 9 and 10 february,2018 Organized by department of Mathematics and Statistics, , Modern College of Arts, Science and Commerce Ganeshkhind ,Pune.
7. National conference on Innovative research ideas in life science for sustainable development organized by N.Wadia college Pune on16th and 17th January 2015.
8. Workshop on Cancer biology organized by IISER, Pune on Aug -13,2014
9. Workshop on Second year & Third year B.Sc (Biotchnology) Practical course organized by Abasaheb Garware College, Pune on 12th & 13th August 2010
- 10.State level Conference on Recent Trends in Physicochemical Sciences, Biotechnology & Biodiversity organized by Pad. Dr. D.Y.Patil ACS College. Pimpri, Pune on 12th & 13th February 2010
11. Workshop on Basic Techniques in Protein Purification organized by Pad. Dr. D.Y.Patil ACS College. Pimpri, Pune & Bioera Life Sciences Pvt. Ltd. on 28th February 2011
12. Seminar on Research methodologies organized by Pad. Dr. D.Y.Patil ACS College. Pimpri, Pune
13. National Conference on Importance of NAAC in development of Colleges. organized by Pad. Dr. D.Y.Patil ACS College. Pimpri, Pune .

Above mentioned information is true to the best of my knowledge and belief.

Thanking You.

Yours sincerely,

Mrs. Vaishali Randive (Shitole)