

## Shweta Vijay Madane

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### Career Objective:

- To learn continually and be on the forefront of scientific knowledge.
  - To fully utilize personal skills and knowledge to achieve excellence in whatever field I work.
  - To work in the challenging environment and contribute significantly to the organizations, communities and mankind.
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### Education Qualification:

Qualification	Institute	University/ Board	Year of Passing	Percentage
B.Ed FY	Rajmata Jijamata Adyapak Mahavidyalaya, Latur	SRTMUN, NANDED	Appearing	-----
M.Sc Biotechnology	COCSIT, LATUR	SRTMUN, NANDED	2020	81%
B.Sc Biotechnology	COCSIT, LATUR	SRTMUN, NANDED	2018	73%
XII	Mahatma Basweshwar College, Latur	Latur Divisional Board	2015	63.08%
X	Godavaridevi Lahoti Kanya Vidyalaya, Latur	Latur Divisional Board	2013	85.27%

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### Working Profile:

- ✚ Assistant Professor in Dayanand Science College, Latur  
From: 29<sup>th</sup> January, 2021 – 10<sup>th</sup> September, 2022 (1 year 8 months)
  - ✚ PGT faculty in Sant Tukaram National Model School, Latur  
From: 12<sup>th</sup> September, 2022 – 31<sup>st</sup> March, 2023 (6.5 months)
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### Publication:

- Scientific Calendar Year 2022
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## Project Profile:

### Graduation level project:

- “In vitro propagation of *Withania Somnifera* by using various explants.”

### Post-graduation level project:

- “In vitro propagation of *Withania somnifera* to study the phytochemicals compounds by using different explants.”

### Minor project:

- "Fish Manure: A revolutionary way towards organic farming."
  - “Production of fungicide (*Trichoderma viridae*) from soil.”
  - “Production of plant biofertilizer (*Rhizobium*) from leguminous plant.”
  - “In vitro propagation of *Gerbera* by using various explants.”
  - “A rapid method for the preparation of natural dye from novel strain of microalgae from Lonar crater.”
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## Interpersonal Skills:

- Typing 40WPM
  - Microsoft Word, Excel PowerPoint.
  - Proficiency and ability to work for long hours
  - Good communication skill
  - Fluent English, Marathi and Hindi
  - Adaptive and quick learner
  - High grasping power
  - +ve thinking as per situation
  - Creative mind
  - Team building and a good event organizer (Online & Offline)
  - Anchoring (English, Hindi, Marathi)
  - A good practical hand with tremendous stamina
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## Personal Profile:

- **DOB** : March 23, 1998
  - **Nationality** : Indian
  - **Gender** : Female
  - **Marital Status** : Unmarried
  - **Languages** : English, Hindi, Marathi
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**Instruments Handled:**

Autoclave, Laminar air flow unit, Incubator, Oven, Centrifuge, Colony counter, Microscope, Thin Layer Chromatography, Column Chromatography, Plant Tissue Culture, Colorimeter, pH Meter, Cyclomixture, UV spectrophotometer. **Upstream Process:** Preparation, Sterilization, Inoculation of seed and production medium. **Pour Plate:** Streaking of Culture and Gram Staining. Determination of MIC, Determination of TDP, TDT of microorganism

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**Research Experience:****Experience to guide project for PG student titled as:**

1. Maturation and Differentiation of Cancer stem cell
  2. Interpretation of Electrocardiogram on Young Age
  3. Studies of Antimicrobial Activity and Phytochemical analysis of leaf extract of medicinal fruit plants.
  4. Small Scale production of vermicomposting and its physicochemical properties and its effect on germination rate of plant
  5. Biotechnological Processes in microbial amylase production
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**Portfolio/ Committee:**

1. Science Association (Coordinator)
  2. NAAC TEEM representing Committee (college)
  3. Green Audit/ Water Conservation/ Water Harvesting Committee
  4. Environmental & Green/ Energy Committee
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**Examinations:**

1. Internal Examiner for M. Sc. Biotechnology
  2. Examiners in Different Competition like Poster presentation, Essay Competition, etc.
  3. Conduct of Examinations
  4. Evaluation of Projects/Dissertation.
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**Extracurricular activities:**

1. Mentoring
  2. Research festival (Avishkar)
  3. Sports
  4. Industrial visits (In charge)
  5. Induction programme
  6. Cultural programme
  7. Annual gathering
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**Achievements:****Awards/Recognition:**

1. 3<sup>rd</sup> Prize in National Level Calendar Making Competition-2021 organized by Microbiologist's Society India.
2. 1<sup>st</sup> Prize in Avishkar 2019-2020: District level competition at Latur.
3. 1<sup>st</sup> Prize in Avishkar 2019-2020: University level competition at Latur.

4. 1<sup>st</sup> Prize in State Level Poster/Model Presentation Competition organized by Sanjeevani Mahavidyalaya, Chapoli on 28<sup>th</sup> February, 2020.
  5. Awarded as Creative Microbiologist for best artwork 16th State-level MicrobioCanvas organized by the Department of Microbiology and Biotechnology, R. C. Patel Arts, Commerce & Science College, Shirpur on January 27, 2017
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#### **Quiz:**

1. Certificate of pledge to follow best practices on prevention of Corona virus disease.
  2. Participation & Contribution in corona disease awareness QUIZ held by Hello foundation Parbhani.
  3. Corona Virus Disease awareness Quiz by Department of Biotechnology, TERI, School of Advanced studies, New Delhi.
  4. Covid-19 Awareness Quiz organized by Vivekanand College, Kolhapur.
  5. National Quiz on “Don’t Delay, Connect Today: Time to Work” on 12<sup>th</sup> October, 2021.
  6. National Quiz on “World Literacy Day-2021” on 10<sup>th</sup> September, 2021.
  7. National Quiz on “Contribution of Indian Scientists in Science and Technology” on 20<sup>th</sup> October, 2021.
  8. National Quiz on “World Ozone Day-2021” on 14<sup>th</sup> September, 2021.
  9. National E-Quiz Competition on “Awareness on Mathematics and Birth Anniversary of Great Indian Mathematician Srinivas Ramanujan” on 22<sup>nd</sup> December, 2021.
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#### **Workshop/Conferences:**

1. One Day Workshop on “Food Adulteration and Safety” on 23<sup>rd</sup> December, 2021.
2. One Day State Level Workshop on “An Introduction to Bioinstrumentation” on 18<sup>th</sup> December, 2021.
3. National Level Workshop on “Entrepreneurship & Innovations as Career Opportunity” on 22<sup>nd</sup> November, 2021.
4. National Level Workshop on “Motivational Story of Entrepreneur (How to your own Boss)” on 24<sup>th</sup> November, 2021.
5. National Level Workshop on “Problem Solving & Ideation” on 26<sup>th</sup> November, 2021.
6. One Day Training Programme on “Microsoft Teams Online Training Programme under online Teaching Learning and Evaluation” on 4<sup>th</sup> September, 2021.
7. One day national workshop on “The Principles of Quality Research and Mind Conditioning.” On 1<sup>st</sup> May, 2021
8. One Day National Workshop on “Research Methodology for Basic Sciences” on 31<sup>st</sup> July, 2021.
9. Two Days National Workshop on “Basic Bioinformatics” during 27<sup>th</sup> & 28<sup>th</sup> August, 2021.
10. One Day Workshop on “Best Practices in Environmental Monitoring” on 6<sup>th</sup> September, 2021.
11. Three Days National Level Training Cum Workshop on “Proteomics, Genomics & Bioinformatics” on 24<sup>th</sup> – 26<sup>th</sup> February, 2020.
12. One Day National Conference on “Contemporary Research in Life Sciences and Cancer Biology.” On 19<sup>th</sup> January, 2019.
13. One Day Workshop on “Awareness about Intellectual Property Rights (AAIPR-2019)” on 18<sup>th</sup> July, 2019.
14. Two Days National Workshop on “HPTLC- Current Practices and Future Applications” on 30<sup>th</sup> September & 1<sup>st</sup> October, 2019.
15. Two Days State Level Conference on “Innovative Prospects in Basic & Applied Plant Sciences IPBAPS-2019” on 27<sup>th</sup> & 28<sup>th</sup> December, 2019.

16. Two Days Workshop on “Techniques in Molecular Biology & Immunology” on 12<sup>th</sup> & 13<sup>th</sup> October, 2018.
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**Webinar/Seminar:**

1. One day International Webinar on “Covid-19 Vaccines: Myth Versus Fact” on 5<sup>th</sup> June, 2021 organized by COCSIT, Latur.
2. One day international webinar on "Covid-19 vaccines Myth Versus Fact" on 5<sup>th</sup> June, 2021
3. National Webinar on “Post COVID Diseases and Control” on 7<sup>th</sup> June, 2021 organized by Mandasaur University, Mandasaur.
4. International Webinar on “Humanity’s call, Vaccine for all: Understanding Global Politics” on 21<sup>st</sup> June, 2021 Organized by IQAC, SLC, University of Delhi.
5. National Webinar on “Making Money From Microbes- Exploring Employability and Scientific Entrepreneurship in Microbiology” organized by Sanjivani Arts, Commerce and Science College, Kopargaon.
6. National Webinar on “Deep Sea- An Extreme environment” on 4<sup>th</sup> July, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
7. National Webinar on “Covid-19 Impact on Children- a Paediatric perspective” on 6<sup>th</sup> July, 2021 organized by Gyan Vihar University, Jaipur, India.
8. National Webinar on “Industrial Fermentation Specific Emphasis on Classical Microbial Fermentation” organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
9. National Webinar on “Applications of Non-Thermal Processes for food safety” on 11<sup>th</sup> July, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
10. National Webinar on “Mysterious Spike Protein of SARS-COV-2” on 18<sup>th</sup> July, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
11. One day state level webinar on “Agriculture and environment Microbiology” on 18<sup>th</sup> July, 2021 organized by MSI, Jharkhand.
12. One day international webinar on “Immunity boosting herbal medicines” on 20<sup>th</sup> July, 2021.
13. One day national webinar on “Recent trends in Microbiology” on 25<sup>th</sup> July, 2021.
14. National Webinar on “Attached: The Microbiota and Humans The Mystery of Love & Hatred Continues” on 25<sup>th</sup> July, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
15. National Level Dr. K. S. Deshpande Memorial Virtual Series on 1<sup>st</sup> August 2021.
16. National Webinar on “Synthetic Biology” on 1<sup>st</sup> August, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
17. Expert Talk on “Important Skills Required to Work in Biotech Industry.” On 8<sup>th</sup> August, 2021.
18. National Webinar on “Microalgae- a Sustainable Bio-resource for our Present & Future Methods” on 8<sup>th</sup> August, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
19. One day national Webinar on “Covid-19 Vaccines” on 9<sup>th</sup> August, 2021.
20. One day webinar on “Use of Technology and Online Education.” On 12<sup>th</sup> August, 2021.
21. One day National Webinar on “Making Research Visible” on 12<sup>th</sup> August, 2021.
22. One day online National Webinar on “The importance of Data Visualization” on 19<sup>th</sup> August, 2021.
23. National Webinar on “Arbuscular Mycorrhizal: A New Generation Fungal Biofertilizer For Sustainable Agriculture & Environment” on 22<sup>nd</sup> August, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.

24. One Day National Webinar on “Vaccine Production and It’s Challenges” on 24<sup>th</sup> August, 2021.
25. One Day National E-Seminar on “Emerging Horizons on Microbial Technology” on 27<sup>th</sup> August, 2021.
26. One Day National Webinar on “Genomics and Proteomics” on 28<sup>th</sup> August, 2021.
27. National Webinar on “Fermentative Processing of Fruits into Wines” on 29<sup>th</sup> August, 2021 organized by RK University, Rajkot in collaboration with Microbiologist Society, India.
28. One Day Webinar on “How to read Scientific Literature?” in August 2021.
29. One Day National Webinar on “Recent Trends in Plant Biotechnology” on 8<sup>th</sup> September, 2021.
30. One Day National Seminar on “Career Opportunities in IPR” on 11<sup>th</sup> September, 2021.
31. One Day National Webinar on “Ozone For life: 36 Years of Ozone Layer Protection” on 16<sup>th</sup> September, 2021.
32. One Day Webinar on “Future Key & Scope for the Identification of the Microorganisms” on 18<sup>th</sup> September, 2021.
33. One Day Online National Level Seminar on “Innovation in Teaching- Learning & Evaluation Process in Affiliated Colleges” on 21<sup>st</sup> September, 2021.
34. One Day State Level Webinar on “Career Opportunities in Microbiology” on 22<sup>nd</sup> September, 2021.
35. One Day National Seminar on “Intellectual Property Rights” on 28<sup>th</sup> September, 2021.
36. One Day National e-Workshop on “Scientific Writing & Presentation Skills” on 30<sup>th</sup> September, 2021.
37. One Day Online National Level Seminar on “Research Methodology” on 5<sup>th</sup> October, 2021.
38. One Day National Workshop on “NAAC Recent Updates & Best Practices” on 6<sup>th</sup> October, 2021.
39. One Day National Webinar on “Nanotechnology- Scope and Applications” on 8<sup>th</sup> October, 2021.
40. One Day National Webinar on “Reproductive Choice of Women: A Fundamental Right” on 27<sup>th</sup> October, 2021.
41. One Day National Seminar on “Alumni Association: Role, Responsibilities and Expectations” on 27<sup>th</sup> October, 2021.
42. Two Days National Webinar on “Teaching Methodology” on 29<sup>th</sup> & 30<sup>th</sup> October, 2021.
43. One Day Webinar on “Biotechnology: Today & Tomorrow” on 14<sup>th</sup> November, 2021.
44. Two Day International Seminar on “New Trends in Biotechnological Applications For Human Welfare” on 26<sup>th</sup> & 27<sup>th</sup> November, 2021.

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### **Competitions:**

1. National Level Calendar Making Competition-2021 organized by Microbiologist’s Society India.
  2. Avishkar 2019-2020: District level competition at Latur.
  3. Avishkar 2019-2020: University level competition at Latur.
  4. Avishkar 2019-2020: State level competition at MUMBAI.
  5. State Level Poster/Model Presentation Competition organised by Sanjeevani Mahavidyalay, Chapoli on 28<sup>th</sup> February, 2020.
  6. 17<sup>th</sup> State-level MicrobioCanvas organised by the Department of Microbiology and Biotechnology, R. C. Patel Arts, Commerce & Science College, Shirpur on January 27, 2018.
  7. One Day State Level Student Poster Competition On “Science for People and People for Science.” Organized by Rajarshi Shahu Mahavidyalay (Autonomous), Latur on 8<sup>th</sup> March, 2019.
  8. 5th State Level Poster Competition-2017 on Bio-energy organised by College of Arts, Commerce & Science, Parbhani on January 27, 2017
  9. 16<sup>th</sup> State-level Microbio Canvas organised by the Department of Microbiology and Biotechnology, R. C. Patel Arts, Commerce & Science College, Shirpur on January 27, 2017.
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**Event Organized:**

1. One Day workshop on COVID 19 Student Assessment on 13<sup>th</sup> May, 2021.
  2. Guest Lecture on What after 12<sup>th</sup> Science? On 11<sup>th</sup> October, 2021.
  3. Celebration of International Microorganisms Day-2021 on 18<sup>th</sup> September, 2021.
  4. Worked as Co-coordinator in One Day Workshop on “Best Practices in Environmental Monitoring” on 6<sup>th</sup> September, 2021.
  5. Guest lecture on “Exploring wine industry and its various aspects.”
  6. Guest Lecture On The Occasion Of Celebration of International Microorganism Day- 2021
  7. National Workshop on “The Principles of quality research and mind conditioning”
  8. Guest Lecture On The Occasion Of Celebration of Biotechnology Day-2021
  9. Hands on Workshop at PAHSUS
  10. One Day Workshop On Career Katta Guidance
  11. One day state level Workshop on “An Introduction to Bioinstrumentation”
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**Faculty Development Programs:**

1. Five Day International Online Faculty Development Program on **Soft Skills for Capacity Building** dated on 08.11.2021 to 12.11.2021
  2. One Week Faculty Development Program on **ICT Tools for Effective Teaching & Learning** from 23<sup>rd</sup> May, 2022 to 25<sup>th</sup> May, 2022.
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**Hobbies:**

- Poster Presentations, Conferences, workshop, webinar.
  - Writing, Drawing, Painting, Interacting with people
  - Surfing on Internet
  - Dancing, anchoring
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**Declaration:**

I hereby declare that the above information provided is true to best of my knowledge and belief.

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Signature

Place: Latur

Madane Shweta V.