



Powar Swati Shashikant

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 swatipowar9494@gmail.com

CAREER

To work in an environment that challenges me to improve and constantly thrive for perfection in all the tasks allotted to me.

EDUCATION

| EXAM | SCHOOL/COLLEGE | UNIVERSITY/BOARD | YEAR OF PASSING | PERCENTAGE |
|---|--|--|-----------------|------------|
| MSc Applied Microbiology | Yashwantrao Chavan Institute of Science, Satara. | Autonomous College (Shivaji university Kolhapur) | 2020-2021 | 84.19% |
| Post Graduate Diploma in Bioinformatics | Shivaji University Kolhapur. | Shivaji University Kolhapur | 2019 | 58% |
| BSc Microbiology | S. M. M, Murgud Kolhapur. | Shivaji university Kolhapur | 2018 | 76.20% |
| HSC | D. V. N. Bidri, Kolhapur | Kolhapur Board | 2015 | 62.77% |
| SSC | Shahukumar Bhavan, Kasarwada | Kolhapur Board | 2013 | 73.40% |

PROJECT WORK

1) Isolation of Antibiotic producing Endophytes in Cactus *Opuntia humifusa*.

The objective was to isolate, identify and characterise:

- To examine the diversity of the endophytic micro-organisms community associated with *Opuntia humifusa*.
- To investigate antifungal potential against phytopathogenic fungal species.

Team size= 02

Duration= 2 year

Role in project= Practical work as well as data collection.

2) Homology modeling and molecular docking studies of Gentamicin binding protein from *Enterobacter cloacae*.

To construct 3D model of gentamicin binding protein – Dihydrofolate reductase *Enterobacter cloacae* using homology modeling techniques and study its interactions with the antibiotic gentamicin by molecular docking techniques.

- Role: In-silico study of gentamicin binding protein dihydrofolate reductase.
- Duration: 1 Year



TECHNICAL SKILLS & ACHIEVEMENTS

- Good knowledge of chromatography techniques, electrophoresis techniques, PCR thermo cycler techniques, centrifugation techniques, plant tissue culture techniques, many techniques in bioinformatics, some other techniques in microbiology and computer literacy.
- Excellent observational skills, accuracy in following procedures and keeping records, strong written and verbal communication skills and ability to manage time and prioritize tasks.
- One day national workshop on, "Intellectual Property rights" Karad . 2019
- National conference on, "Interdisciplinary approaches in life science" (NCIALS-2020)
- International online conference on biotechnology : "A Way Forward" 2020
- National webinar series on Instrumental technique in analysis from may 27- 30, 2020



INDUSTRIAL VISIT:

1. Gokul Milk Industry , Kolhapur
2. Vasantdada Sugar Institute (VSI), Manjari, Pune.

3. Bharatiya Agro Industries Foundation (BAIF), Urali Kanchan, Pune.



PERSONAL DETAILS

- Date Of Birth : 12th Oct, 1997
- Gender : Female
- Nationality : Indian
- Marital Status : Unmarried
- Languages Known : English, Hindi, Marathi
- Hobbies : Singing, Reading, Travelling.
- Strengths : 1. Initiative in respective work
2. Interaction with co-members.
3. Buoyant thoughts.
4. Determination in work

DECLARATION

I, Powar Swati Shashikant, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Date:

Place: Kolhapur

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