



# Adiba Fatema

Master of Science (Microbiology),  
Fresher

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**ABOUT:** I'm a post-graduate in microbiology with a track record to pursue a challenging carrier in field of **LIFESCIENCE** and **HEALTHCARE**. Now, I'm looking for an opportunity in your organization where I can contribute to growing myself and the organization.

## EDUCATION

### Master of Science (Microbiology)

D.S.M College of Arts, Commerce and Science

11/2021 - 06/2023

8.74 SGPA

### Bachelor of Science

D.S.M College of Arts, Commerce and Science

06/2018 - 08/2021

84.23%

## ACADEMIC PROJECT

"Synthesis of Silver Nanoparticles by using leaf extract of medicinal plant *Adhatoda Vasica* and assessment of its antiviral activity" (06/2022 - 05/2023)

- **OBJECTIVE:** To synthesize silver nanoparticles by using leaf extract of *Adhatoda vasica* and to check its antiviral activity against *Avian Paramyxovirus type-1 (New Castle Disease Virus)*.
- **METHODS:** Invitro testing by using VERO cell line culture and haemagglutination assay.
- **CONCLUSION:** 30% reduction in haemagglutination was observed at concentration of 10mg/ml in aqueous leaf extract and 100% reduction in haemagglutination was observed at concentration of 10mg/ml in leaf extract synthesized by using silver nanoparticles. It is concluded that the silver nanoparticles can enhance the antiviral potential of medicinal plants and this study can be extended to other viruses.

## INTERNSHIP/EXPERIENCE

### Project intern

Vasantrao Naik Marathwada krishi vidyapeeth

04/2023 - 06/2023

Parbhani

laboratory of virology at department of veterinary science

Tasks

- Designing and performing experiments, analyzing data and contributing to reports in collaboration with higher team members

### Visiting faculty lecturer

Dnyanopasak Shikshan Mandal's College of Arts Commerce and Science

07/2023 - 08 / 2023

Tasks

- Microbial Physiology and Metabolism
- Microbial Diversity and Extremophiles

## SKILLS

Well versed with GMP, ICH and GCP guidelines

Good written and verbal communication

Good subject knowledge of Microbiology

Laboratory techniques: Aseptic or sterile techniques, staining methods, culture isolation and microscopic analysis

Equipment Handling: Experienced in handling of various laboratory equipments like Autoclave, Hot air oven, Laminar air flow, Spectrophotometer, pH meter and centrifuges.

Media preparation: Experienced in preparation of culture media including Agar plates, broths, and specialized media for cultivating different microorganisms

Sterilization method: knowledge of sterilization methods, Autoclave, dry heat, Filtration and UV-vis chamber.

Basic knowledge of clinical research, clinical data management and pharmacovigilance.

Proficiency in using MS Office

Ability to work collaborately with team

## ACHIEVEMENTS

Secured 2nd rank in the Post Graduation Course at D.S.M College of Arts, Commerce and Science.

Passed 18th state level MICROBIOLYMIAD at R.C Patel's College of Arts, Commerce and Science shirpur.

Participated in state level AWISHKAR poster competition programme at Nutan Mahavidyalaya

## LANGUAGES

English  
Full Professional Proficiency

Hindi  
Native or Bilingual Proficiency

## INTERESTS

Microbiology

Clinical research