

Sonali Aswal

Project Assistant

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EDUCATION

- **2015- 2017:** Masters of Science in Microbiology from D.B.S (PG) College (U.T.U), Dehradun.
- **2012- 2014:** Bachelors of Science with subjects- (Zoology, Botany and Geology) from D.B.S (PG) College (H.N.B.G.U) Dehradun.
- **2011:** Intermediate, (C.B.S.E.) from Kendriya Vidyalaya, No-1. (H.B.K) Dehradun.
- **2009:** High School, (C.B.S.E.) from Kendriya Vidyalaya, No-1. (H.B.K) Dehradun.

WORK EXPERIENCE

- **2017-** Currently working as a Project Assistant at the Faculty of Biomedical Sciences, Uttarakhand Ayurved University, Harrawala, Dehradun.

PROJECTS AND TRAINING

- **2017-** Successfully completed a dissertation entitled "Screening microbial antagonists and chemical fungicides against fungal species associated with foliage of *Rhododendron* sp." in Forest Pathology Division under the guidance of Dr Amit Pandey - Head and Scientist (G): Forest Pathology Division (F.R.I. -Dehradun)

AWARDS

- **2017: International Women's Day Trophy** Academic Excellence in Masters of Science in Microbiology.
- **2009:** Certificate for Participating in **Regional youth Festival Adolscence Educational Programme** held at K.V. (F.R.I. Dehradun).
- **2009:** Certificate for Participating in **Indian National Cartographic Association "National Map Quiz"** held at (Dehradun).

TECHNICAL PROFICIENCY IN LAB:

MICROBIOLOGY:

- Media preparation for Bacterial Cultures.
- Serial Dilution Method for Bacterial Cultures.
- Pouring, Plugging, Slant preparation & Streaking on plates.
- Sub Culturing of Microbes.
- Isolation and Culturing of microbes from Soil Sample (Through Serial Dilution Method).
- Isolation and Culturing of microbes from Water Sample (Through Serial Dilution Method).

- Screening of Microbial antagonists.
- Collection and Screening of Medicinal plants.
- Use of Chemical Fungicides.
- Staining (lacto phenol cotton blue and gram staining for bacteria).
- Antibiotics Sensitivity Test.
- Inoculation and culturing of fungal and bacterial species.
- Revival of fungal and bacterial cultures.
- Microbial assay of antibiotics by diffusion method.
- Detection of normal micro flora of human body- ear, nose, mouth, urine, skin.
- Methylene Blue Reductase Test of milk samples.

EQUIPMENT HANDELED:

- Autoclave
- Laminar Air Flow
- Incubator
- Shaker
- Micropipette
- Hot air oven
- Haemocytometer
- Centrifuge
- Weighing balance.

SOCIAL WORK

- Participated as a Volunteer in Madathon conducted by Making a Difference (M.A.D)
- Making a Difference Activity (M.A.D.): Cleanup Drives and Wall Transformation.

SKILLS

- Clear and confident communicator with excellent interpersonal skills.
- Able to relate effectively to a wide range of people
- Ability to follow and carry out instructions carefully and accurately.
- Pro-active and dedicated therefore can work independently with a positive attitude.
- Well organized and able to carry out set tasks with accuracy and attention to detail.
- Willingness to learn and undertake training to develop new skills.
- Good Data Mining, Data organising and Data handling skills.
- IT Skills: Competent with all Microsoft Office applications i.e. Word, PowerPoint, Excel and use of the Internet
- Language skills: Fluent in Hindi, English
- Interests - Fitness, Playing basics in guitar, knows swimming travelling, reading, hiking, cooking, exploring music artist and surfing on the internet.