



Dr. Yesha Master,
Assistant Professor, Biotechnology
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Education

Ph.D. (2015-2020)–Department of Biosciences, VNSGU.

Thesis titled “In Vitro Micropropagation of Moringa Species for Improvement in β -carotene Content”

M.Sc. Biotechnology (2011-2013)– Department of Biotechnology, VNSGU.

B.Sc. Biotechnology (2008-2011) – Department of Biotechnology, VNSGU.

Industry experience: (2013-2016) Reliance Industries Ltd., Hazira, Surat.

Key Skills

Dr. Yesha Master is capable of providing comprehensive solutions to industry and other government bodies in the following areas:

1. In vitro micropropagation of different varieties of plant species
2. Germplasm conservation of plant species
3. Testing genetic fidelity of plant tissue culture raised & mutated plants.
4. Microbiological analysis, Production & purification of industrially important products using microbiological tools.

Background

- Worked as QC Chemist
- Joined GSFC University in August 2019

Scholarship and Accomplishments

Dr. Yesha Master is a proficient researcher. Broadly defined, Dr. Yesha Master’s research interests are in vitro micropropagation of woody plant species, herbs & shrubs with a special focus on improvement in β -carotene content by making use of plant growth regulators & indirect organogenesis. She is also interested in the Production & purification of industrially important products using microbial isolates. During her 5 Years of doctoral research journey, Dr. Yesha Master published research papers and was honoured with 1st prize in oral presentation at an international conference on “Recent advances in traditional medicine, medicinal plants, and phytochemistry” held on 8th and 9th February -2019. She was awarded a Ph.D. scholarship by Veer Narmad South Gujarat University, Surat for pursuing Ph.D. She has also had 3 years of industrial experience at Reliance Industries Ltd., Hazira.

Dr. Yesha Master has a teaching experience of 4 years wherein she has served as visiting faculty, teaching assistant & assistant professor at the Department of Biotechnology, VNSGU & then in school of science, GSFC University. She teaches Plant tissue culture, plant biotechnology, environmental biotechnology, Microbial technology, etc. (basic to advance) to science students at M.Sc. and B.Sc.

Program. She exposes students to science fundamentals and has chosen teaching as a way to conduct research in education.

Dr. Yesha Master has many publications & most of them being published in peer-reviewed International Journals with good impact factors. Few manuscripts are still in the pipeline.

Dr. Yesha Master has attended lucid workshops & seminars on biological sciences.

Most Notable Publications

- 1) Master Y.M. and Shah G.S. "Production and partial purification of xylanase enzyme from soil isolate." Journal of science and technology, VNSGU, July 2015. 4(1):216-223.
- 2) Master Y and Somani V. Clonal micro-propagation of threatened *Moringa concanensis* Nimmo (Moringaceae) sustainable alternative. International Journal of Pharmaceutical Science & Research, 2020; 11(6): 1000-07. doi:10.13040/IJPSR.0975-8232. 11(6).