Vimala Bathineni

Scientist in Horticulture

+45 91872179

vimalabathineni@gmail.com

linkedin.com/vimala

Odense, Denmark

Skills

Crop Production	10+ yrs.
Crop Management	10+ yrs.
Crop Improvement	5+ yrs.
Farm Layout	9+ yrs.
Plant Propagation	7+ yrs
Flowers Seed Production	3+yrs
Climate Change & Carbon Sequestration	3+ yrs.
Glass House Management	2+yrs.
Pest Management	10+yrs.
Organic Farming	1+yrs.
Farmers Training	8+yrs.
Artificial Intelligence	1+yrs.
Data Analysis	1+yrs.
Project management	12 yrs.
Computer skills	15+yrs.
Laboratory skills	5+yrs.

Languages

English(Fluent)
Kannada(Elementary)
Hindi(Basic)
Danish (Level 3.3)

Summary

I am a dedicated horticulturist specializing in crop improvement, sustainable production, and carbon sequestration. My expertise spans plant propagation, flower seed breeding, and seed science, with a focus on enhancing productivity and environmental resilience.
With hands-on experience in high-density planting, pest management, and cover cropping, I develop practical solutions for sustainable agriculture. My work also includes germplasm improvement and innovative farming techniques that support productivity and ecological balance.
I utilize technology, including deep learning, to optimize crop performance and empower farmers with advanced practices. Through research, publications, and mentorship, I aim to bridge science with practical farming.

Work Experience

Internship in Greenhouse

05/2024 - 06/2024

ByGrowers (Seasonal Plants in Balance with Nature), Stige, Odense, Denmark

- Completed a six-week internship, by gaining hands-on experience in greenhouse cultivation, plant production, and eco-friendly pest management.
- Contributed to the organic production of vegetables for the Gourmet Garden project and improved packing techniques for potted plants and flowers.
- Built valuable industry connections and strengthened practical knowledge in sustainable agriculture.

Scientist (Horticulture) - Permanent position

01/2019 - 06/2023

ICAR-AICRP on Arid Zone Fruits, Horticulture Research Station
Dr.Y.S.R. Horticultural University,

- Commercialization of Thettu Amalika and Anantha Rudhira tamarind varieties, creating new opportunities for growth in arid regions.
- Conducted research on Aonla, Ber, Pomegranate, and Tamarind, improving germplasm and introducing high-density planting techniques for better productivity.
- Developed new tamarind lines (PU-11, PU-13, PU-15) and diversified crops with Jamun, Date Palm, and Dragonfruit to enhance farming income
- Executed multi-location trials on pomegranate hybrids, improving yield, quality, and marketability for juice and processing.

Scientist (Horticulture) - Permanent position

09/2016 - 01/2019

ICAR - AICRP on Cashew, Cashew Research Station
Dr.Y.S.R. Horticultural University, India

- Assisted in the release of high-yielding cashew varieties BPP-10 and BPP-11, enhancing productivity through in-depth germplasm evaluation.
- IIdentified and assessed the promising H-218 hybrid for future commercialization, offering resilient, high-yielding options for farmers.
- Implemented rejuvenation strategies for aging orchards, integrating organic management, intercropping, and optimized spacing to improve yield.
- Developed year-round softwood grafting protocols, producing 100,000+ grafts, significantly boosting farm productivity across regions.

Research Associate - Temporary position 6/2014 - 09/201

ICAR - NICRA

Central Research Institute for Dryland Agriculture (CRIDA), India

- Contributed to the NICRA project on understanding the role of plant roots in soil carbon sequestration by conducting root sampling, biochemical analyses, and laboratory experiments to investigate root and shoot decomposition and their impact on stable organic matter in soil.
- Performed soil sample analyses to assess properties crucial for crop production and soil health, while handling data preparation and analysis with a focus on the role of roots in carbon sequestration through precise research methodologies.

Senior Research Fellow - Temporary position 2/2012 - 06/201

NCPAH-Govt.of India, Precision Farming Development Center

Acharya. N. G. Ranga. Agricultural University, India

- Contributed to a government-funded project exploring the use of plastics in horticulture, focusing on the cultivation of high-value vegetables such as tomatoes, capsicum, and cucumbers in poly houses. Applied colored mulches and drip irrigation techniques to improve production quality, weed control, and water efficiency.
- Presented project outcomes through farmer training programs and field demonstrations, promoting the adoption of efficient agricultural practices and increasing awareness of sustainable horticultural techniques.

Kisan Call Center Agent 5/2012 - 12/201

- Engaged directly with farmers through a government-funded call center (toll-free number 18001801551). Answered their queries on various field and horticultural crops. It was rewarding to offer practical solutions that helped them improve their farming practices and overcome challenges.

Education

Master of Science (M.Sc.) OGPA (8.84/10) 2012

Floriculture and Landscape Architecture

Dr.Y.S.R. Horticultural University, India

Master's thesis "**Effect Of Different Priming Methods On Seed Quality Of China Aster**", investigated on various priming methods. Among the treatments, priming with with KNO3 @0.5%. demonstrated superior outcomes, resulting in the highest germination percentage, field emergence, germination speed, seedling length, seedling dry weight, and seedling vigor index. Additionally, it was associated with the shortest mean germination time, indicating its effectiveness in enhancing seed quality and vigor.

Bachelor of Science (B.Sc.) OGPA (8.13/10) 2010

Horticulture

Acharya N. G. Ranga Agricultural University, India

Bachelor's Project **Rural Horticultural Work Experience Programme (RHWEP)** Gained valuable hands-on experience by residing with farmers for six months, where I actively identified gaps in cultivation practices. I played a key role in raising awareness within the farming community about scientific approaches to crop production, protection, extension, and economic practices.

Professional Development Trainings

Both online and offline **2016 - 2023**

Attended as a part of career development programme

- Aeroponics and Hydroponic Technologies for Precision Agriculture 25 - 29 April 2020 CAAST-CSAWM, MPKV, Rahuri,India.
- Plant Health Management in Protected cultivation, from 5 to 9 October 2020.NIPHM, Hyderabad, India.
- Irrigation-Design, Estimation and Installation of Drip & Sprinkler irrigation System, from 8 to 15, EAES , Bareilly, U.P, India.
- Technology interventions towards transformation Agriculture, Sericulture, Animal Husbandry and Allied Sectors Into Sustainable Enterprises For Atmanirbhar Bharat11th October To 31st October, 2020 At Allhabad To Be Conducted By AEDS, CSRTI, CSBT, PIAS, KPIA and Bioved research institute of agriculture and technology & sciences, India.
- Precision pomegranate farming from May 21 to 30, 2021 organized by Agri Academia, Maharashtra, India.
- Sustainable Farmers Friendly Transferable Technologies to Enhance Income of Farmers in Arid Zone from 15-19th February, 2021, Organized by MANAGE, Hyderabad and CAZRI, Jodhpur, Rajasthan