

## CURRICULUM VITAE

**CHIKOTI MANIKANTA, M. Sc**

Email: [manikantachikoti111@gmail.com](mailto:manikantachikoti111@gmail.com)

Mobile: +91-9441622640



### **Personal Details**

---

**Father's Name** : Shri Chikoti Muralidhar

**Mother's Name:** Mrs. Chikoti Padma

**Permanent Address:** 6-11, Ram Mandir Road, Ramareddy, Kamareddy -  
503144, Telangana

**Date of Birth** : 25<sup>th</sup> December, 1998

**Marital status** : Unmarried

### **Present status**

---

- Working as Senior Research Fellow at ICAR-IGFRI, Jhansi, U.P.

### **Education**

---

***Post Graduate (Forest Resource Management)***

***January 2023***

*Dec 2020- January 2023*

Forest College and Research Institute, Telangana, India

Dissertation title: *Effect of Native Mycorrhizal Fungi on The Seedling Growth of Albizzia Odoratissima (L. F. Benth) Under Nursery Conditions*

Supervisor: Dr. Sreedhar Bodiga, Forest College and Research Institute, Mulugu, Telangana, India.

***B.Sc. (Hons). Forestry***

***June 2020***

*August 2016- June 2020*

Forest College and Research Institute, Mulugu, Siddipet, Telangana, India

Major subjects: Silviculture, Agro Forestry, Forest Management, Environmental Sciences, Forest Ecology, Remote Sensing & GIS, Forest Pathology, Wildlife Sciences, Forest Mensuration.

### Summary of Academic qualifications:

Examination passed	Subjects of Examination	Name of Board/University	Year of Passing	Division
High school certificate examination (10 <sup>th</sup> )	Telugu, Hindi, English, Sanskrit, Social Science, Math's and Science	AP Board of Secondary Education	2014	1 <sup>st</sup>
Higher secondary school certificate examination (12 <sup>th</sup> )	Biology, Physics and Chemistry, Sanskrit, English	Telangana State Board of Intermediate Education	2016	1 <sup>st</sup>
Bachelor of Science (B.Sc. Hons)	Forestry	Forest College and Research Institute, Telangana	2020	1 <sup>st</sup>
Master of Science (M.Sc.)	Forest Resource Management	Forest College and Research Institute, Telangana	2023	1 <sup>st</sup>

### Research Experiences

---

#### ***P.G. Forest Resource Management (Dec 2020- January 2023)***

Dissertation title: *Effect of Native Mycorrhizal Fungi on The Seedling Growth of Albizzia Odoratissima (L. F. Benth) Under Nursery Conditions*

Research advisor: Dr. Sreedhar Bodiga, Associate Professor, Plant Biochemistry, Forest College and Research Institute, Mulugu, Siddipet, India.

- Observation, isolation the native mycorrhizae associated with the rhizosphere of *Albizzia odoratissima*.
- Mass multiplication of isolated mycorrhizal spores for nursery purposes.
- Evaluation of the mass multiplied mycorrhizae on the seedlings of *Albizzia odoratissima* under nursery conditions for 60 and 90 DAS

***Senior Research Fellow (SRF) Research Project (May 2023 – Nov 2023)***

Project title: *Integrated Bee-keeping Development Center (IBDC)*

Funding Agency: *National Bee Board, Ministry of Agriculture & Farmers Welfare, New Delhi, India.*

Project Head: Smt. V. Sailaja, HOD- Natural Resource Management & Conservation.

Worked as a Senior Research Fellow (SRF) at IBDC-Forest College and Research Institute, Mulugu, Telangana. India. Assisted in conducting trainings, workshops, and seminars on Scientific Bee-keeping to farmers in South India.

Assisted in establishing the following facilities under IBDC at FCRI:

- Quality Nucleus Stock Development Centre.
- Honey Bees Disease Diagnostic Laboratory.
- Mini Honey Testing Laboratory.
- Training and Exposure Visits.
- Awareness Programs.
- Technology and Impact Demonstration Centre.
- Centre for Honey and other bee hive products, Collection, Branding, and Marketing.
- Honey and other beehive Processing Unit.
- Establishment of Bee-Friendly Garden.

***Teaching associate at Telangana State Forest Academy (Dec 2023- Aug 2024)***

- Assisted in training forest officials for Induction Training Program
- Assisted in Jungle camping and Wilderness Surviving Skills

***Senior Research Fellow (Aug 2024- Present)***

- Assisted in creating protocols for project funded by MoA, GOI.
- Assisted in conducted research trials at IGFRI.

## **Research Interests**

---

- |                         |                                      |
|-------------------------|--------------------------------------|
| • Plantation Management | • Silviculture and Nursery Practices |
| • Mycology              | • GIS and Remote sensing             |
| • Forest Management     | Agroforestry • Apiculture            |
| • Carbon sequestration  |                                      |

## Technical Skills

---

### *Forestry Practices, Forest ecology, Forest Rejuvenation, Wildlife, and Environment*

- Assisted in different types of forest plantation activities implemented by Telangana State Forest Department during Study tours and Student READY program- Forestry Work Experience.
- Experience in rejuvenation of natural forests through Assisted Natural Regeneration, Artificial regeneration, SMM, LIM and cultural operations such as thinning, pruning, singling, and soil moisture conservation works to enhancing forest health and biodiversity.
- Experience in wildlife management, including expertise in prey-predator dynamics, wildlife population enumeration techniques, biodiversity assessment techniques, and wildlife monitoring techniques for effective conservation and management of wildlife populations and ecosystems.
- Experience in project management and administrative tasks related to record-keeping and financial management.
- Experience in Preparation of project reports including documenting project activities, outcomes, and financial expenditures to provide stakeholders with a comprehensive overview of the project's progress.
- Experience in delivering training sessions, workshops, or educational materials tailored to the specific needs and interests of stakeholders in sustainable forest management practices, biodiversity conservation, community engagement.
- Estimation of Tree parameters, Biomass of a tree (AGB and BGB), and Carbon Sequestration.
- Seed collection methods, seed treatments, mass production of forestry seedlings through vegetative, clonal propagation and tissue culture methods.
- Field trials of forest tree species, site selection, site Preparation for Plantation, species selection and planting methods.

### *Statistical analysis*

- Experimental designs, data analysis and interpretation, Knowledge of statistical software (SPSS, Sigma Stat).

## Summary

---

To be recognized as an efficient & competent individual having good interpersonal and technical skills. Motivated and result-oriented 1 year of research experience in the field of Forestry. My key

strength includes strong practical knowledge of Forest Management and Silviculture (Nursery management and plantation), extensive hands-on expertise in Apiculture, Mycology, Experimental Design, Field Trials, Statistical Analysis, and Data Interpretation.

## Teaching Experience

---

- Assistant Professor in the faculty of General Forestry at Telangana State Forest Academy, Hyderabad, Telangana.

## Publications

---

- **Chikoti, M.**, Bathula, J., Bodiga, S., Thallapally, S., & Vallabuni, S. (2022). Isolation and Identification of arbuscular mycorrhizal fungi associated with rhizosphere of black siris (*Albizzia odoratissima* (LF) Benth). *Inter. J. Current. Microb. App. Sci.*, 11, 8.
- **Chikoti, M.**, Bathula, J., Bodiga, S., Thallapally, S., & Vallabuni, S. (2022). *Swietenia mahogany* (L.) Jacq – An endangered timber yielding and medicinal tree species: *Van Sangyan* June 2022: 9(6), TFRI, Jabalpur. (ISSN 2395-468x).
- Thallapally, S., **Chikoti, M.**, Bathula, J., Bodiga, S., & Vallabuni, S. (2022). Survey for the incidence and severity of leaf spot and blight disease of *Millettia pinnata* caused by *Fusicladium pongamiae* in avenue plantations of Mulugu Mandal.
- Book: *Flora of Yadadri Hills*
- Book Chapter-1: *Forest Inventory Techniques and Remote Sensing*
- Book Chapter-2: *Forest Restoration and Rehabilitation*
- *Status of Wetlands: An Overview*
- *Wetland Management for Biodiversity Conservation and Climate Change Mitigation.*

## Conferences and seminars

---

### *District and State seminars*

- Assisted in conducting 2 district seminars and 1 state level seminar on scientific bee-keeping under the project Integrated Bee-keeping Development Centre, National Honey Bee Mission, Ministry of Agriculture.

### *Participated in conferences/seminars*

- National Seminar on Climate Smart Forestry, held at Department of Basic and Social Sciences, Forest College and Research Institute, Mulugu, Siddipet, Telangana.
- Participated in National Training on Marketing and Value Chain based strategies for Agroforestry Products in India.

## Awards and Honors

---

- Won Student Integrity Award, 2020 for Voluntary participation, team building, and leadership qualities in college.

## References

---

1. Smt. Sailaja Vallabuni  
Forest College and Research Institute,  
Department of Natural Resource Management and  
Conservation  
Tel No. +91-9951422992 (office)  
E-mail: [sailajavallabuni@gmail.com](mailto:sailajavallabuni@gmail.com)
2. Dr. Surender Gugloth, Scientist-E  
Additional Director, MoEF&CC,  
Regional Office, Nagpur-440001,  
Tel No. 07122531319 (office)  
E-mail: [surrender.gugloth@gov.in](mailto:surrender.gugloth@gov.in)
3. Dr. Sreedhar Bodiga  
Forest College and Research Institute.  
Department of Basic and Social Sciences  
E-mail: [sbodiga@gmail.com](mailto:sbodiga@gmail.com)