Biodata



Personal Profile

Name: Dr. Sanmathi Naik A T S

Date of Birth: 09 January 1997

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Date of Joining: 07. May. 2026

Permanent Address: 43, Ashihal Tanda, PO: Ashihal, Lingasagur, Raichur, 584125

Official Address: Dr. Sanmathi Naik A T S, Scientist (Horticulture), ICAR-Krishi Vigyan Kendra, Raichur, UAS, Raichur Campus-584104

Areas of Expertise

- Horticulture
- Vegetable grafting and rootstock evaluation
- Protected cultivation technology
- Nutri gardening/Terrace gardening
- Microgreens production
- Farmer training and extension communication
- Medicinal and aromatic plants

Professional Experience

Scientist (Horticulture)

ICAR-Krishi Vigyan Kendra, Kalaburagi-1

(21 June 2024 – 06 May 2026)

Key Contributions:

- Developed 60 informative videos with QR codes on medicinal and aromatic plants for farmer education and outreach.

Current Position:

Scientist (Horticulture), ICAR-Krishi Vigyan Kendra, Raichur, UAS Raichur Campus

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Academic Achievements

Ph.D. (Vegetable Science)

University of Horticultural Sciences, Bagalkot, Karnataka (2021–2024)

CGPA: 9.26

Thesis Title: “Grafting to alleviate bacterial wilt, phytophthora wilt and root knot nematodes in bell pepper”

Major Advisor: Dr. C. N. Hanchinamani, Professor and Head, Department of Vegetable Science, College of Horticulture, Bengaluru

Co-Advisor: Dr. Shivanand V. Hongal, Senior Scientist and Head, KVK, Kolar

Highlights: Identified eight best-performing rootstocks for bell pepper that enhanced growth, yield, and fruit quality under bacterial wilt, phytophthora wilt and root-knot nematode stress in protected conditions.

M.Sc. (Horticulture) – Vegetable Science

University of Horticultural Sciences, Bagalkot (2018–2021)

Thesis Title: “Evaluation of grafted and non-grafted cherry tomatoes (Solanum lycopersicum var. cerasiforme) for growth, yield and fruit quality under protected cultivation”

Advisor: Dr. Shivanand V. Hongal, Senior Scientist and Head, KVK, Kolar

Highlights: Identified eggplant rootstocks such as *Solanum torvum*, Arka Neelkanth, Haritha, Surya, Ponny, and tomato rootstock ‘Anagha’ as superior for growth, yield, fruit quality, and resistance to bacterial wilt.

B.Sc. (Horticulture)

College of Horticulture, Sirsi (2014–2018)

PUC: PACE UM PU College, Shimoga

Higher Primary Education: Holy Redeemer School, Hosanagara, Shimoga District

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Special Achievements

- **Bharat Ratna Dr. B. R. Ambedkar Gold Medal (2024):** Awarded for securing the highest OGPA among SC/ST Ph.D. students of UHS Bagalkot during the 13th Convocation.
- **First Best Oral Presentation:** “Performance of grafted cherry tomatoes in *Ralstonia solanacearum* (bacterial wilt) infested greenhouse soil” at the National Conference on Ethnic Vegetables, Dr. Y.S.R. Horticultural University, College of Horticulture, Anantarajupeta, Andhra Pradesh (27–28 May 2023).
- **Third Place in Oral Presentation:** “Cherry tomatoes: Bountiful source of natural nutraceuticals” at the same conference (27–28 May 2023).
- **First Best Oral Presentation:** “Performance of grafted cherry tomatoes in *Ralstonia solanacearum* (bacterial wilt) infested greenhouse soil” at the International Seminar on Exotic and Underutilized Horticultural Crops: Priorities & Emerging Trends, ICAR-IIHR, Bengaluru (17–19 October 2023).
- **Radio Talk:** Delivered first radio talk on “Grafting Technology in Vegetable Crops” at All India Radio, Karwar, on 8 June 2023.
- **SADHNA All India Best Publication Award (2023):** For the paper titled *Naik SATS, Hongal S, Harshavardhan M, Chandan K, Kumar AJS, Ashok, Kyriacou MC, Rouphael Y and Kumar P (2021). Productive characteristics and fruit quality traits of cherry tomato hybrids as modulated by grafting on different Solanum spp. rootstocks under Ralstonia solanacearum infested greenhouse soil. Agronomy 11:1311; doi:10.3390/agronomy11071311.*
