PROFILE

Name: Akkiraju Tejasree

Educational Qualification: M.Sc. Horticulture (Fruit Science)

Designation: Assistant Professor

Department: Agriculture and Rural Development

I Academics

Degree	Institution/University	Year
M. Sc. Fruit Science	Lovely Professional University	2024
B.Sc.(Hons) Horticulture	Dr. YSR Horticulture University, Venkataramannagudem	2021

II Professional Experience

Position Held	Institution	Year
Assistant Professor in Horticulture	Maris Stella College, Vijayawada	2024- Till date

Areas of Interest: Gardening and Nursery management, Precision horticulture, Plant Tissue Culture, High Density Planting, Propagation of minor fruit crops

Academic Profile:

Internship Courses/Orientation Courses/Short Term Courses Attended:

1.Completed Diploma in computer applications July 19th , 2020
2.Rural Horticultural Work Experience Programme: HRS, Lam, Guntur. September 8th,2020
3. Demonstrations to the farmers regarding the use of sticky traps for controlling the insect and pest: HRS, VR Gudem, West Godavari. December 21st, 2020
4. One month awareness program on production and utilization of bio fertilizers: HRS, VR Gudem, West Godavari. March 4th, 2021.
5. Varietal development of minor and distinct fruits crops through various propagation techniques: Punjab Agricultural University, Ludhiana, Punjab. February 8th, 2024

6.Dissertation: Foliar Application of Seaweed Extract and Silicon on Growth, Leaf Nutrient Content and Quality of Papaya cv Red Lady.-LPU, Punjab. May 12th, 2024.

Publications

1.Tejasree Akkiraju and Anis Mirza. **"Synergistic effects of silicon and seaweed extract on growth and leaf nutrient content of papaya cv Red Lady."** ***Journal of Applied & Natural Science*** 16.3 (2024). https://doi.org/10.31018/jans.v16i3.5673

2.Tejasree Akkiraju and Anis Mirza. **"Deciphering Nature's Secret of Seaweed Extract as a Biostimulant on Horticultural Crops: A Review."** ***Journal of Experimental Agriculture International*** 46.6 (2024): 417-427. https://doi.org/10.9734/jeai/2024/v46i62494

3.Tejasree Akkiraju and Anis Mirza. "**Signalling: Growth Promoters and Inhibitors."** ***Archives of Current Research International*** 24.5 (2024): 295-311. https://doi.org/10.9734/acri/2024/v24i5705

4. A.Tejasree and CH KVLSN Anjana male. "**A review on wonder herbs: "Smilax zeylanica" and "Smilax china .** *International Journal of Chemical and Pharmaceutical Sciences* 8.1 (2017).https://doi.org/10.63682/jns.v14i18S.5454.

5.Ch.K.V.L.S.N.Anjana Male, Surendra Grandhi, Santhi Sri.A, Tejasree.A, Shaheen.Sk, Syed Sahereesh, Shama Fatima,Sk.Asma,P.Cherishma,Sk.Luzaina Parveen,Sk.Amzad Baig, Anna Ganesh. (2025). Ethno medical uses of Vitex trifolia and Vitex rotundifolia: a review. https://doi.org/10.5281/zenodo.17210426

6.D Gouthami, A Tejasree, K Ravi Teja, D Lakshmi Lavanya, S Bhavya Ratna Madhuri and P Lakshmana Swamy. Integrated Farming Systems (IFS) for Sustainable Livelihoods of Small and Medium Farmers: A Review. Int. J. Agric. Food Sci. 2026;8(3):401-403. DOI: https://doi.org/10.33545/2664844X.2026.v8.i3e.1274

7. Akkiraju Tejasree, Keshini Jujjuvarapu, Reddy Pooja, R. Manasa Kaveri, S. Puja Sree and M. Ramya Teja. Eco-Intensification of Brinjal Production Using Seaweed-Based Biostimulants and Beneficial Rhizobacteria. Journal of Experimental Agriculture International 48, no. 5 (2026): 20-27. https://doi.org/10.9734/jeai/2026/v48i54200.

Book Chapters:

1.BASICS OF POMOLOGY VOLUME-1, Chapter -2 Classification of Fruit Crops. A K International Publication, Ambala,Cantt. Published in 2025. ISBN: 978-81-989483-3–5.

2.FRUIT PRODUCTION UNDER ARID AND DRYLAND ENVIRONMENTS. Modern approaches and recent developments in Mahua production.

Leaflets:

Hydroponics in Horticulture. Agriculture forum for technical education of farming society. Kota, Rajasthan. Reg. No.: COOP/2023/KOTA/201080/26/62.

Webinars

1. Professional writing in research/thesis/article/book chapter using "AI" Tool, organised by Punjab Hydroponics and JABAAS. - January 9th, 2024.
2. Interactive effect of marine algae on Horticultural crops, organised by ICAR and IIHR.- March 12th, 2024.
3. Bioactive Compounds from Natural Sources: Identification and Applications, organised by Sri Adichunchanagiri college, Karnataka.

Workshops

1. Recent advances and developments in Transdisciplinary Research July 23rd, 2023.
2. Workshop on "Tissue Culture and Advanced Lab Techniques in Horticulture Crops" October 23rd ,2023.
3. Workshop on "IPR Concepts Filling Procedures: Navigating Intellectual Property Rights" November 23rd, 2023.
4. Workshop on "Sustainable Farming and Smart Horticulture" January 28th, 2024.
5. Capacity Building Workshop for Faculty on "Assessment Criteria & Rubrics for Service Learning" August 24th ,2024.

Patents

1) Inventor of **Automatic Fruit Sorting Machine.** June,2024
2) Co-Inventor of **Smart Solar Dehydration System for Multi Crop Agricultural Processing.** December,2025.