Shivani Indrajeet Yadav

Fruit Science researcher · Ph.D. (Horticulture), Fruit Science, 2026
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Doctoral research

Anand Agricultural University (AAU), Anand · 2026
Advisor: Dr. M. J. Patel, Professor and Head, Department of Horticulture, B. A. College of Agriculture, **AAU**, Anand.

Aim. Effect of nano-urea on growth, yield and quality of banana cv. Anand Vaaman.

Methods. Field experiments on nano-urea in banana under different nutrient-management practices, with biochemical and quantitative analysis and structured reports for academic committees.

Master's thesis

Acharya Narendra Deva University of Agriculture & Technology (ANDUAT), Kumarganj, Ayodhya · 2021–2023
Advisor: Dr. Sanjay Pathak, Dean, College of Horticulture & Forestry, **ANDUAT**, Ayodhya.

Aim. Screening of different genotypes of jackfruit (Artocarpus heterophyllus Lam.) for the preparation of beverages and its storage stability.

Methods. Genotype screening, beverage preparation, and storage-stability assessment.

Application. Beverage preparation from screened jackfruit genotypes.

Education

Degree	Institution	Year
Ph.D. (Horticulture), Fruit Science	**Anand Agricultural University (AAU)**, Anand, Gujarat	2026
M.Sc. (Horticulture), Fruit Science	**ANDUAT**, Kumarganj, Ayodhya	2021–2023
B.Sc. (Hons.), Agriculture	Parul University, Vadodara, Gujarat	2017–2021
Higher Secondary	Zenith High School, Vadodara	2015–2017

Experience

Fruit Science researcher, **Anand Agricultural University (AAU)**, Anand, 2026. Doctoral research on nano-urea in banana cv. Anand Vaaman, as described under doctoral research.

Value-added agricultural products (named separately on the CV). Development and evaluation of value-added agricultural products for agri-business and rural enterprise.

Data Analyst Trainee, Vise Organic, Vadodara, October 2020–November 2020. Collected and analyzed district-wise crop production data across regions of India, and built databases and visual reports for stakeholders.

Methods and skills

Pomology, fruit production, orchard establishment and management, post-harvest handling, beverage production (RTS, cider, wine), and biochemical analysis. **ICAR** statistical tools (**IRRISTAT/OPSTAT**), **SAS** (data analysis), MS Office, and field data recording. RBD, CRD, and factorial trials. Technical and scientific writing. Named tools are software, not an employer affiliation.

Publications

Complete bibliography: two research articles, five book chapters, two review articles, two popular articles.

Research articles

- Yadav, S. I., Chaturvedi, S., Patel, M., & Pathak, S. (2026). Studies on fruit morphological traits of different jackfruit (Artocarpus heterophyllus Lam.) genotypes. International Journal of Research in Agronomy, 9(7), 1165–1167. https://doi.org/10.33545/2618060X.2026.v9.i7o.6071
- Suthar, D. P., Kotecha, A. V., Yadav, S. I., & Chaudhary, S. K. (2025). Effect of growing media and gibberellic acid on seedling growth of acid lime (Citrus aurantifolia Swingle.) cv. Kagzi lime. International Journal of Advanced Biochemistry Research, 9(7), 501–504. https://doi.org/10.33545/26174693.2025.v9.i7g.4773

Book chapters

- Gupta, N., Yadav, S. I., & Gupta, A. (2025). AI-Powered Strategies: Fortifying Crops Against Climate Stress. In Innovations in Climate Resilient Agriculture (Ch. 2, p. 13). Springer. ISBN 978-3-031-84801-8 (print) / 978-3-031-84802-5 (eBook). https://doi.org/10.1007/978-3-031-84802-5_2
- Yadav, S. I., & Sabhaya, N. B. (2024). Kale (Brassica oleracea var. acephala). In Leafy and Minor Vegetables: An Inclusive Study. SR Edu Publications.
- Sabhaya, N. B., & Yadav, S. I. (2024). Artichoke (Cynara scolymus). In Leafy and Minor Vegetables: An Inclusive Study. SR Edu Publications.
- Yadav, S. I., Patel, M. J., & Gupta, N. (2024). Genetic Engineering as a Tool in Horticultural Crops. In Horticulture at a Glance. Emerald Publishing House.
- Sabhaya, N. B., Makwana, T. M., & Yadav, S. I. (2024). CRISPR Technology for Horticultural Crop Production. Horticulture at a Glance. Emerald Publishing House.

Review articles

- Solanki, J., Yadav, S. I., Sabhaya, N. B., & Parmar, J. K. (2026). Silicon-mediated improvement of growth, yield, and stress tolerance in fruit crops: A review. Plant Archives, 26(1), 1096–1100. (CV prints journal-level DOI 10.51470/PLANTARCHIVES; not treated as an article DOI.)
- Yadav, S. I., Pandey, K., Pathak, S., & Singh, J. (2023). Scope and status of transgenics in fruit crops. The Pharma Innovation Journal, 12(SP-10), 1301–1312.

Popular articles

- Yadav, S. I., & Sabhaya, N. B. (2025). Enhancing fruit farming with Panchstar layer — a natural farming technique. Vigyan Varta, 6(3), 400–403.
- Yadav, S. I (2022). Jackfruit: The underutilized treasure of health benefits. Times of Agriculture Monthly Magazine, pp. 83–84.

Presentations and training

- International Agricultural Certificate Course-cum-Training Program, sponsored by the **Ministry of Agriculture & Farmers Welfare** under Indian Agriculture Vision-2050 (2023).
- Poster: “Advancing Sustainable Agriculture through Innovative Approaches in Soil Health Management and Organic Farming Practices,” First International Conference on Future Strategies for Sustainable Agriculture, Abhilashi University, Mandi, HP (2024).
- Poster: “Leveraging precision horticulture and digital tools for sustainable farming,” presented at the First International Conference on Innovations to achieve climate resilient smart agriculture for ensuring global food and nutritional security at **ICAR-IISR** (2024). Venue only—not ICAR or IISR employment.

References

Contact people listed on the curriculum vitae—not written endorsements. Consent to public posting has not been independently verified.

Dr. M. J. Patel — Professor & Head, Department of Horticulture, B.A. College of Agriculture, **AAU**, Anand · +91 9429959179 · mjpatel@aau.in

Dr. Bhanu Pratap — Professor & Head, Department of Fruit Science, **ANDUAT**, Kumarganj, Ayodhya · +91 94154 39398 · drbhanupratap71@gmail.com

Dr. Kuldeep Pandey — Assistant Professor, College of Horticulture & Forestry, **ANDUAT**, Kumarganj, Ayodhya · +91 94551 85388 · pandeykuldeephort@gmail.com