

*Curriculum Vitae*

**BANDA SAINATH**

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Designation: Scientist - ICAR ARS

Personal details:

**Specialization: Agricultural Economics**

**Research Interest:** Environmental Impact assessment, Ecosystem services, carbon farming and green credits, Livestock economics

**DOB:** 26-03-1995



Degree/Diploma/Certificate	Class/Grade	University/Board/Institute	Year
Doctor of Philosophy (Agricultural Economics)	<b>8.35</b>	ICAR-National Dairy Research Institute, Karnal, Haryana	<b>Yet to complete</b>
Master's Degree (Agricultural Economics)	<b>9.43</b>	College of Agriculture, GKVK UAS, Bengaluru, Karnataka	2019
Bachelor's Degree (B. Sc (Agri.))	<b>8.88</b>	Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad, Telangana	2017

**Additional trainings:**

- Undergone a training Programme on Advanced Analytics in **R** which gave a basic knowledge on Regression analysis, Logit and Tobit models, Predictive analysis tools like ARIMA and other Multivariate Analysis.
- Undertook online courses on **Python** and **SQL** for Data Science and completed all the given tasks and projects.

**Title of Doctoral Thesis:**

**“Economic analysis of externalities of urban and peri-urban dairies in Hyderabad”**

**Title of M.Sc. Thesis:**

**“An economic analysis of different water use regimes in Godavari command area of Telangana”**

- Served as a Student fellow in “Agri-Consortia Research Platform on Water under Grant-in aid General” funded by ICAR-IIWM during master’s Programme in Agricultural Economics at UAS, GKVK Collected and conducted data analysis using **regression tools, Natural resource economic concepts and descriptive statistics.**
- Research focussed on estimating cost of irrigation, externality cost of irrigation, Water use efficiency and energy costs under Ground water, Surface water and Conjunctive water use regime

#### Fellowships and Awards:

- Awarded with **University of Agricultural Sciences Gold Medal** for General Merit and five sponsor medals at the 54th Convocation of UAS, Bengaluru for Master’s degree.
- Secured All India rank 16th in ICAR-JRF and was recipient of ICAR fellowship during master’s Programme.
- Secured All India rank 11th in ICAR-SRF exam in 2020.
- Receiving Institute Scholarship from ICAR-NDRI, Karnal for Ph.D. in Agricultural Economics (Since Nov, 2020).
- Qualified for UGC-NET during 2020 and 2022 in the discipline of Economics.
- Received Best article award from Agriculture and food e-Newsletter in 2020.

#### Seminars:

- Given a seminar on “Facebook prophet modelling – A time series analysis using Python”
- Given a seminar on “Application of Meta-frontier Approach in Agricultural Economics Research – A Methodological Review” using R.

#### International Exposure:

- Participant of Geography of Food – International summer school, conducted at Slovenia, Europe

#### List of publications

##### Research Papers

1. Soumya, M., **Sainath, B.**, Anirudh, K.C., Lalminghui, L., Nithin, R.K., Gunjan, B., Joan, N., Sendhil, R. Application of Blockchain Technology in the Agri-Food System: A Systematic Bibliometric Analysis and Policy Imperatives. Journal of Agribusiness in Developing and Emerging economies. (2023) (Accepted)
2. **Sainath, B.** and Srikantha Murthy, P.S. (2021). Economic Analysis of Irrigation Water under Different Water Use Regimes in Godavari Command Area. Economic Affairs, 66(2): 305-310.

3. **Sainath, B.** and Srikantha Murthy, P.S. (2021). Estimation of impact of negative externality cost on profitability of farmers under Godavari command area of Telangana. Agricultural Economics Research Review (Communicated).

4. **Sainath, B.** and Srikantha Murthy, P.S. (2021). Comparative Economic Analysis of Water use efficiency and Energy costs under Godavari command area of Telangana, (Contributed paper), National seminar on Strengthening Agricultural Water Use Law, Policy and Management in India conducted by NLSIU, CEERA, UAS, GKVKBENGALURU AND ICAR- IWM, BHUBANESWAR.

5. Shilpa, B., Bhople, P. P., & **Sainath, B.** (2021). Constraints Faced and Suggestions Received by Self Help Group Members of Akola District, Maharashtra. Asian Journal of Agricultural Extension, Economics & Sociology, 39(4), 155-158.

**Research Note:**

Khurana, A., **Sainath, B.**, Cariappa, A.G.A. 2023. Carbon farming in India: Case studies of Carbon Credit Projects from Maharashtra and Telangana. TAFSSA Research Note 10. Transforming Agrifood Systems in South Asia (TAFSSA).