

Mulla Areef

Sir Ratan Tata Post-Doctoral Fellow (Junior) in Economics

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ACADEMIC RESEARCH PROFILE

Ph.D. in Agricultural Economics with three years of comprehensive research experience at the Institute of Economic Growth (IEG). Dedicated to contributing to academia through rigorous empirical research and influential publications.

RESEARCH INTERESTS

Agricultural value chains, food security, price forecasting, time series modeling, and agricultural households' income diversification.

EDUCATION

Course	Institution/college	Board/ University	Year of Completion	Percentage
Ph.D. (Agricultural Economics)	Agricultural College, Bapatla, Andhra Pradesh.	ICAR-ANGRAU	Nov, 2021	88.8
M.Sc. (Agricultural Economics)	S.V. Agricultural College, Tirupati, Andhra Pradesh.	ICAR-ANGRAU	June, 2018	87.3
B.Sc. (Hons) Agriculture	Agricultural College, Mahanandi, Andhra Pradesh.	ICAR-Acharya N.G. Ranga Agricultural University	June, 2016	82.7
Intermediate education	Chaithanya Junior College, Vijayawada, A.P.	Board of Intermediate Education, Andhra Pradesh.	April, 2011	90.4
Secondary education	Sri Narayana V.V. High School, Atmakur(K), A.P.	Board of Secondary Education, Andhra Pradesh.	May, 2009	88.0
NET	Indian Council of Agricultural Research (ICAR)	Agricultural Scientists Recruitment Board (ASRB)	Aug, 2021	56.2
			June, 2018	51.8

AWARDS AND HONORS

2022 - Received **Silver medal** award during 52nd Convocation for securing highest OGPA in M.Sc. (Dept. of Agrl. Economics), S.V. Agricultural College, ANGRAU, A.P.

2019 - Received **best research paper** award and also cash prize of ₹5000/- from Indian Journal of Agricultural Marketing (IJAM).

PROFESSIONAL EXPERIENCE

1. Held the position of Senior Research Analyst from January 2023 to July 2024 on a contractual basis in the Agricultural Economics Research Unit at the IEG.
2. Worked as a Senior Research Analyst from October 2022 to December 2022 on an **IFPRI**-sponsored project titled 'Impact of Direct Procurement on Farmers' Profitability, Employment, and Consumption in India.' Prior to this, employed as a Research Assistant from June 2020 to September 2022 on a **NABARD**-sponsored project titled 'Innovations in Food Value Chains: Dynamics of Participation and Welfare Effects' at the Institute of Economic Growth, Delhi.
3. Doctoral research focused on 'Income Inequalities Among Agricultural Households in Andhra Pradesh,' and master's research focused on 'An Economic Analysis of Price Behaviour of Onions in Major Markets of India.'
4. Functioned as the **student organizing secretary** for an Annual Post Graduate Students' National Conference on "Challenges and Opportunities for Profitable Agriculture".

TECHNICAL SKILLS

1. Proficient in utilising software applications such as STATA, R, SPSS, Eviews, and MINITAB.
2. Experienced in using SurveyCTO for collecting in-person field data through Computer-Assisted Personal Interviewing (CAPI).
3. Experienced in handling and interpreting NSSO unit-level data from Situation Assessment Surveys (59th, 70th, and 77th rounds), PFLS surveys (2017-18 to 2022-23), and the Consumption Expenditure Survey (HCES 2022-23).

PUBLICATIONS

01. **Areef, M.**; Dutt, H., Bhatt, Y & Sharma, R. (2023). "Volatility Spillovers and Structural Breaks: A Case of Onion in India." *Indian Journal of Agricultural Marketing*, Vol.37, No.2, pp:34-47.
02. Nuthalapati, C.S.; S.K. Beero, A. Kumar, V. Sonkar & **M. Areef**. (2023). "Skewed Food Policies, Distorted Inter-crop Parity, and Nutri-cereal Farmers: An Empirical Analysis." *Economic & Political Weekly*, Vol.58, No.34, pp: 54-63.
03. **Areef, M** & Y. Radha. (2022) "Measurement and Decomposition of Income Inequality among Agricultural Households in Andhra Pradesh" *Indian Journal of Economics and Development*, Vol.18, No.2, pp: 350-358.
04. **Areef, M.**; Y. Radha, V. S. Rao, P. V. S. Gopal, K. S. R. Paul, K. Suseela and S. Rajeswari. (2021). "Consumption Expenditure Pattern and Inequality Among Agricultural Households in South Coastal Region of Andhra Pradesh State." *The Journal of Research ANGRAU*, Vol.49, No.2, pp: 82-91.
05. **Areef, M.**; Y. Radha, V. S. Rao, P. V. S. Gopal, K. S. R. Paul, K. Suseela and S. Rajeswari. (2021). "Diversification and Determinants of Income Sources among

- Agricultural Households in South Coastal Region of Andhra Pradesh State” *Indian Journal of Agricultural Marketing*, Vol.35, No.2, pp: 120-133.
06. **Areef, M.**; Y. Radha, V. S. Rao, P. V. S. Gopal, K. S. R. Paul, K. Suseela and S. Rajeswari. (2021). “Does Size of Landholding Contributing Highest Share to Consumption Expenditure Inequalities among Agricultural Households?” *Asian Journal of Agricultural Extension, Economics & Sociology* Vol.39, No.4, pp: 1-8.
 07. **Areef, M.**; S. Rajeswari, N. Vani and G.M. Naidu (2020). “Forecasting of Onion Prices in Bangalore Market: An Application of Time Series Models”, *Indian Journal of Agricultural Economics*, Vol.75, No.2, pp.217-227.
 08. **Areef, M.**; Y. Radha and S. Rajeswari (2020). “Area Shifts and Projection of Horticultural Crops in Andhra Pradesh State” *International Journal of Agriculture Sciences* Vol.12, No.5, pp: 9626-9629.
 09. **Areef, M.** & Y. Radha. (2020). “Application of GARCH and ANN models for Potato Price Forecasting: A Case Study of Bangalore Market, Karnataka state” *Indian Journal of Agricultural Marketing*, Vol.34, No.3, pp: 44-52.
 10. **Areef, M.**; Y. Radha and S. Rajeswari (2020). “Price Volatility and Seasonal Analysis of Tomato, Onion and Potato”, *Indian Journal of Economics and Development*, Vol.16, No.4, pp.625-630.
 11. **Areef, M.**; Y. Radha and S. Rajeswari (2020). “Market Arrivals and Price Behaviour of Potato: A Case Study of Bangalore Market.” *The Andhra Agricultural Journal*, Vol.67(spl), pp: 98-104.
 12. **Areef, M.**; S. Rajeswari, N. Vani and G.M. Naidu (2020). “Price Behaviour and Forecasting of Onion Prices in Kurnool Market, Andhra Pradesh State”, *Economic Affairs*, Vol.65, No.1, pp.43-50.
 13. **Areef, M.**; V.S. Rao & Y. Radha. (2019). “A Study on Indian Onion Export Performance: Markov Chain Approach.” *Research Journal of Agricultural Sciences* Vol.10, No.5/6, 751-754.
 14. **Areef, M.**; S. Rajeswari, N. Vani and G.M. Naidu (2019). “A Study on Price Behaviour of Onion in Bangalore Market of Karnataka, India”, *The Andhra Agricultural Journal*, Vol.66(spl), pp.37-41.
 15. **Areef, M.**; S. Rajeswari, N. Vani and G.M. Naidu (2019). “Lasalgaon Onion Market Price Forecasting: An Application of ARIMA Model”, *Indian Journal of Agricultural Marketing*. Vol.33, No.3, pp.122-130.
 16. **Areef, M.**; S. Rajeswari, N. Vani and G.M. Naidu (2018). “Area, Production and Yield Trends of Onion in India and Andhra Pradesh.” *Andhra Pradesh journal of Agricultural Sciences*, Vol.4, No.4, pp: 254-258.

LIST OF CONFERENCES, WORKSHOPS AND TRAININGS ATTENDED

Srl.	Year	Title of abstract	Conference	Presentation	Name of organization
01.	2018	Onion price forecasting in Kurnool market using ARIMA technique	International	Oral	University of Madras, Chennai, Tamil Nadu.
02.	2018	Agriculture and resource availability in a changing food demand, sustainable land and water management policies	National	Poster	S.V. Agricultural College, ANGRAU, Andhra Pradesh
03.	2018	Challenges and opportunities for smallholder farmers in the context of market linkages	National	Poster	Bapatla Agricultural College, ANGRAU, Andhra Pradesh
04.	2019	Lasalgaon onion market price forecasting – An application of ARIMA model	National	Oral	Indian Society of Agricultural Marketing (ISAM), Acharya Nagarjuna University, AP
05.	2019	Prioritisation of horticultural crops in Rayalaseema region of Andhra Pradesh	National	Oral	Bapatla Agricultural College, ANGRAU, Andhra Pradesh
06.	2019	A Study on price behaviour of onion in Bangalore market of Karnataka, India	National	Oral	S.V. Agricultural College, ANGRAU, Andhra Pradesh
07.	2019	Commercialization of plant growth promoting Rhizobacteria (PGPR), economic impact in agriculture and Policy framework	National	Poster	Acharya Nagarjuna University, Guntur, AP
08.	2020	Trade performance of plantation commodities in India – Markov chain approach	National	Oral	Indian Society of Agricultural Economics (ISAE), Tamil Nadu Agricultural University, Tamil Nadu.
09	2020	Market arrival and price behaviour of potato: A case study of Bangalore market, Karnataka state	National	Oral	Bapatla Agricultural College, ANGRAU, Andhra Pradesh
10	2020	Shifts in horticultural crops of Andhra Pradesh state: A Markov chain analysis	National	Oral	Bapatla Agricultural College, ANGRAU, Andhra Pradesh
11.	2020	An economic analysis of price behaviour of tomato, onion and potato in India	National	Poster	The Indian Science Congress Association (ISC), Kolkata
12.	2021	Income inequality decomposition by sources and factor components among agricultural households	National	Oral	Indian Society of Agricultural Economics (ISAE), Jammu & Kashmir.
13.	2020	-	International	Participated	Regional Agricultural Research Station,

14.	2020	-	International	Participated	Lam, Guntur, Andhra Pradesh Banaras Hindu University, Varanasi, UP
15.	2020	-	National	Participated	Sheth P.T. Mahila College of Arts and Home Science, Surat, Gujarat
16.	2020	-	National	Participated	ANGRAU, Lam, Guntur, Andhra Pradesh
17.	2021	-	National	Participated	Anand Agricultural University, Anand, Gujarat.
18.	2022	-	National	Participated	Economic association, University of Delhi.
19.	2024	Nexus between Traditional and Modern Value Chains and Household Well-Being in India: A MESR approach	International	Oral	International Association of Agricultural Economists. DOI: 10.22004/ag.econ.344385
01.	2017	Post-harvest technologies for horticultural produce	Workshop	Participated	Sri Padmavati Mahila Vishwavidyalayam, Tirupati, AP
02.	2019	Best practices fisheries, animal husbandry and dairying	Workshop	Participated	Andhra Pradesh Human Resource Development Institute (APHRDI), Guntur, AP.
04.	2020	Data analytics in R using STATCRAFT	Workshop	Participated	Bapatla Agricultural College, ANGRAU, Andhra Pradesh
05.	2024	Agro-economic research capacity building	Workshop	Participated	Centre for management in agriculture, IIM-A, Gujarat.
01.	2020	Export Competitiveness of Indian Agricultural Commodities	Training Program	Participated	National Institute of Agricultural Extension Management (MANAGE), Hyderabad
02.	2021	Statistical Data Analysis using R Software	Training Program	Participated	Assam Agricultural University, Dhubri, Assam

PROFESSIONAL REFERENCES

Prof. Chandra S. Nuthalapati

Visiting professor,
Cornell University,
Ithaca, NY, USA
14850-2637

Prof. Y. Radha

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University Head (Agrl. Economics)
RARS, Lam
ICAR-ANGRAU, Guntur - 522034, A.P.

Dr. S. Rajeswari

Assistant Professor & Head,
Department of Agricultural Economics,
S.V. Agricultural College, Tirupati,
ICAR-ANGRAU -517502,
Andhra Pradesh, India.

Most Recent Update: July 31, 2024.