

# Dr. Anil Kuruvila

**Professor and Head**

**Department of Agricultural Economics**

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## Summary

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My specialisation for Ph.D. from Tamil Nadu Agricultural University, Coimbatore, was 'Trade and Development' and the Ph.D. research was entitled "Freer agricultural Trade in India: Implications on Agricultural Growth, Poverty and Prices". The areas of current research interests are agricultural marketing, international trade and development, price volatility and forecasting, and value chain analysis. I have served as the Principal Investigator of two and Co-Principal Investigator of nine research projects and has also guided six PhDs and 15 Masters students in Agricultural Economics. As Principal Investigator, I won the 12<sup>th</sup> Regional Research Competition (RRC) of the South Asian Network of Economic Research Institutes (SANEI), Bangladesh in 2011 for the Research Project "Assessing the Implications of International Price Volatility and Transmission on Indian Agricultural Prices in the Context of Trade Liberalization", which was later nominated as one of the best-performing research projects by SANEI for Global Research Competition conducted by Global Development Network (GDN). I was the Principal Investigator of the project "Domestic Marketing, International trade and value chain analysis of Cardamom", which was funded by the WTO Cell, Government of Kerala in 2021. I have been certified as the UNCTAD certified Non-Tariff Measures Data collector in recognition of completing UNCTAD Virtual Institute Course on Non-tariff Measures and Data Collection.

## Research Highlights

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- Studied the economics of cultivation and marketing of major plantation crops and spices grown in Kerala.
  - Developed forecasting models and successfully forecasted prices of coconut, black pepper, cardamom and tapioca.
  - Analysed implications of price volatility of crops grown in Kerala
  - Studied the trade pattern, performance and competitiveness of major plantaton crops and spices.
  - Conducted value chain analysis of small cardamom and chilli in India.
  - Assessed the implications of international trade agreements on agricultural commodities
  - The findings of the above studies have been coomunicated to the Government as inputs for policy formulations
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## Experience

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Joined Kerala Agricultural University as a Directly recruited Associate Professor of Agricultural Economics in 2009

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## Education

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- Graduated in Agricultural Science from Kerala Agricultural University (1996)
  - Post Graduation in Agricultural Economics from Tamil Nadu Agricultural University, Madurai (1998)
  - Ph.D in Agricultural Economics from Tamil Nadu Agricultural University, Coimbatore (2002)
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## Area of Specialization

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International Trade, Agricultural marketing, Price analysis and Development

## Awards & Recognitions

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- Junior Research Fellowship (JRF) in Agricultural Economics instituted by Indian Council for Agricultural Research (ICAR) for pursuing Master's Programme in 1996.
- As Principal Researcher won the 12<sup>th</sup> Regional Research Competition (RRC) of the South Asian Network of Economic Research Institutes (SANEI), Bangladesh (2011) for the Research Project "Assessing the Implications of International Price Volatility and Transmission on Indian Agricultural Prices in the Context of Trade Liberalization".
- The Project "Assessing the Implications of International Price Volatility and Transmission on Indian Agricultural Prices in the Context of Trade Liberalization" was nominated as one of the best performing research project by SANEI for Global Research Competition conducted by Global Development Network (GDN).
- Attended the Global Training Workshop conducted by Global Development Network (GDN) on 6<sup>th</sup> and 7<sup>th</sup> December 2013 at Istanbul, Turkey as part of Global Research Competition
- UNCTAD certified Non-Tariff measures Data collector certificate in recognition for completing UNCTAD Virtual Institute Course on Non-tariff Measures and data Collection.
- Best oral Presentation Award for the paper entitled "Rice Economy of Kerala – Present status and future directions" in the National Seminar on Biodiversity Conservation and Farming Systems for Wetland Ecology, RARS Kumarakom, Kottayam, India in 2017, with co-authors Sachu Sara Sabu and Noushad A.K
- Best oral Presentation Award for the paper entitled "Dynamics of food consumption pattern in India and Kerala: A comparative analysis" in the National Conference on Ascertaining food security through livelihood enriching interventions: challenges and opportunities, 2019 at Pandit Jawaharlal Nehru College of Agricultural and Research Institute, Karaikal, Puducherry, with co-authors Sachu Sara Sabu, Anirudh K. C., and Rajesh K. R.
- Best oral Presentation Award for the paper entitled "Design-reality gaps in weather based crop insurance scheme in India", in the National seminar on "Agrometeorological Interventions for Enhancing Farmers' Income", AGMET-2020, Association of Agro-meteorologists, Anand and Kerala Agricultural University, Thrissur, in 2020, co-authored with Anirudh, K. C and Sachu Sara Sabu.
- Third Prize for the paper "Coconut sector in Kerala- Trends and challenges", in the 1<sup>st</sup> annual conference of Indian Society of Agricultural Development and Policy (ISADP), Punjab Agricultural University, Ludhiana "Challenges of Indian Agriculture", 2022, with co-author Geethu. P. George,
- Best oral Presentation Award for the paper entitled "Crop diversification in India: Trends and determinants" in 2nd International Conference on "Prospects and challenges of environment and biological sciences in food production system for livelihood security of farmers (ICFPLS-2023)" during September 18-20, 2023 at ICAR-CIARI, Port Blair, Andaman & Nicobar Islands, India, co-authored with Sachu Sara Sabu and Tomson K.S.
- Best oral Presentation Award for the paper entitled , "Spice partnerships: Assessing the implications of India's Regional Trade Agreements on black pepper trade", in the International Seminar on Spices KAU 2024 (ISSK2024), Spices: Innovative and Green Technologies for Sustainability, at College of Agriculture, Vellayani, Thiruvananthapuram, June 5th to 7th 2024. co-authored with Sachu Sara Sabu

## Research Projects

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**Ongoing:** Nil

**Completed**

1. “Domestic marketing, International trade and value chain analysis of cardamom” - WTO Cell, Government of Kerala, (2021)
2. “Assessing the Implications of International Price Volatility and Transmission on Indian Agricultural Prices in the Context of Trade Liberalization”-12<sup>th</sup> Regional Research Competition, South Asian Network of Economic Research
3. ICAR-NAHEP CAAST Project-“Knowledge and Skill Development on Coconut based Secondary Agriculture” (2019-23)
4. ICAR-NAHEP CAAST Project-“Profile analysis of Farmer Producer Companies (FPCs) in India” (2022-23)
5. State Plan Project -“Supply chain Analysis of Vazhakkulam Pineapple- an Agricultural GI Good of Kerala” (2022-23)
6. State Plan Project - "Strengthening Centre for Intellectual Property Protection" (2020-2024)
7. ICAR-Extra Mural Project- “Value chain interventions in mango for enhancing competitiveness of producer farmers in Kerala” (2016-17)
8. ICAR “Network Project on Market Intelligence” and the objectives were providing short term price forecasts to farmers, conducting studies on price movements, marketing, international trade and farmers’ decision making for coconut, black pepper and tapioca (2013-2017)
9. Rashtriya Krishi Vikas Yojana – Paddy Mission Project “Comprehensive Development of Kaipad Rice Tracts”, Ministry of Agriculture, Government of India (2010-2013)
10. Kerala State Council for Science, Technology and Environment funded project “Competitiveness and A Sustainable Trade Security in Pepper - A PAM Approach” (2009-2011)
11. Watershed Development Project-“Hariyali Project” implemented by the Rural Development Department, Government of India (2009-2011)

## Publications

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### Journal Articles

**(Scopus indexed)**

1. Anila, V.S, Anil Kuruvila and Minimol.J.S. “ Trend analysis and price behaviour of cocoa in Kerala” . *Journal of Tropical Agriculture*. Vol 61, Number 2, 202-206, 2023
2. Tomson.K.S, Anil Kuruvila and Ajithkumar.B. “Climate risk in Wayanad district-An empirical analysis”. *Journal of Tropical Agriculture*. Vol 61, Number 1, 123-126, 2023
3. Murugan M, Anil Kuruvila, Anandhi A, Pooja A, Ashokkumar K, Dhanya MK, Subbiah A, Alagupalamuthirsolai M and Sritharan N (2023) Cardamom agro-environmental interrelationships analysis in Indian cardamom hills. *Frontiers of Climate*, 5:1107804. doi: 10.3389/fclim.2023.1107804
4. Geethu P George and Anil Kuruvila, "Price Behaviour of Coconut and Coconut Products in Markets of Kerala: An Economic Analysis ", *Indian Journal of Economics and Development*, Volume 19, No. 1, 45-57, 2023.
5. J. Deenamol, C Laly John, Anil Kuruvila and K. C. Ayoob. “Price behaviour of Indian tea- A time series analysis”. *Journal of Tropical Agriculture*. Vol 60, Number 2, 249-254, 2022.
6. Abhinav.M.C and Anil Kuruvila, " Indian cofee: A quadragenray growth Analysis”, *Economic Affairs*, Vol.66, Number 3, 515-519, 2021.
7. K. K. Shana, K. Jesy Thomas Anil Kuruvila and Sachu Sara Sabu. “Price integration of Nendran banana markets in Kerala”. *Journal of Tropical Agriculture*. Vol 58, Number 1, 125-129, 2020.
8. Sachu S.S., Anil Kuruvila and Subash S.P, “Price volatility of black pepper in Kerala: Could institutional mechanism such as contract agreement be a solution?”, *Indian Journal of Agricultural Economics*, Vol.75, Number 2, 166-185, 2020.

9. A. Indhushree and Anil Kuruvila, "Performance of small cardamom export from India". *Journal of Tropical Agriculture*. 57 (2): 122-131, 2019.
10. V. P. Preethi, K. Jesy Thomas and Anil Kuruvila. "Performance of coconut in India: A trend analysis". *Journal of Tropical Agriculture*. Vol 56, Number 2, 210-214, 2018.
11. K Kannan, Pouchepparadjou A, Anil Kuruvila and Shaik Allaudin A. "Groundwater markets in east coast of Puducherry Union Territory: analysis of pricing and irrigation efficiency", *Agricultural Economics Research Review*, 31 (2), 251-258, 2018
12. K. Mohandas, A. Indhushree, Anil Kuruvila, "Exports of Vegetables from India: An Economic Analysis", *Journal of Tropical Agriculture*. Vol 56, Number1, 34-44, 2018.
13. Sachu, S. S. and Anil Kuruvila, "Price instability in black pepper: A comparative analysis of pre-liberalisation and post-liberalisation periods", *Journal of Tropical Agriculture*. Vol 54, Number1, 41-49, 2016.
14. Wani, M H., H, Sekar, Ranjit K Paul, Anil Kuruvila and I. Hussain, "Supply Response of Horticultural Crops: The Case of Apple and Pear in Jammu and Kashmir", *Agricultural Economic Research Review*, Vol.28, Number 1, 83-89, 2015.
15. Nasurudeen, P., Anil Kuruvila, Sindhil.R and V. Chandrasekar, "The Dynamics and Inequality of Nutrient Consumption in India" *Indian Journal of Agricultural Economics*, Vol.61, Number 3, 362-373, 2006.

### Articles not indexed in Scopus

1. Anil Kuruvila, P Indira Devi, Thomas George, M Murugan and Sachu Sara Sabu, "Product standards, farmers' practices and global trade: a critical analysis with respect to pesticide residue levels in Indian small cardamom", *Agricultural Economics Research Review*, 35 (conference number), 75-87, 2022.
2. Geethu P George and Anil Kuruvila, "Coconut Sector in Kerala-Trends and Challenges", *Journal of Agricultural Development and Policy*, Volume 32, No. 1, 133-139, 2022.
3. Sachu S. S., Anil Kuruvila and K Manojkumar.. "Status of production and export of Indian black pepper". *Journal of Arecanut, Spices and Medicinal plants*, Vol. 22 (4): 9–20, 2020.
4. A. Indhushree and Anil Kuruvila, "Dynamics in the export of small cardamom from India", *Environment and Ecology*, 37(4B), 1488-1492, 2019.
5. Indhushree.A, Anil Kuruvila, M.Murugan and K.Manojkumar "Economics of small cardamom cultivation in Idukki district of Kerala", *Indian Journal of Arecanut, Spices & Medicinal Plants*, Vol-21(3),2019.
6. Sachu S. S., Anil Kuruvila and K Manojkumar.. "Price behaviour of black pepper in Indian and International markets: a comparative analysis". *Journal of Spices and Aromatic Crops* Vol. 28 (1): 27–33, 2019.
7. Radhika A M, K Jesy Thomas, Anil Kuruvila and Rajesh K Raju. "Assessing the Impact of Geographical Indications on Well-Being of Rice Farmers in Kerala", *International Journal of Intellectual Property Rights*, 9(2): 1–11, 2018.
8. A. Indhushree, Anil Kuruvila, Jesy Thomas and C. Latha Bastine, "Fruit and Vegetable Exports in the Post-liberalization era: The Indian Experience", *Journal of Horticultural Science*. Vol 12 (2), 133-142, 2017.
9. Rajesh.S.R, Raveendaran.N, Anil Kuruvila and C.Sekhar, "Cointegration Tests and Spatial Integration of Indian Major Pepper and Cardamom markets with International markets During Pre - and Post - Liberalization Era", *The Indian Journal of Economics*, Vol LXXXVI, Part 4, 577-588, 2006.
10. Selvaraj, K.N., C. Ramasamy, Anil Kuruvila and A. Rohini, "Productivity, Technology, Infrastructure Growth and Investment Assessment for Poverty Reduction in Dryland Agriculture", *The Asia-Pacific Journal of Rural Development*, Vol. XII, Number 1, 76-88, 2002.
11. Anil Kuruvila, K.N. Selvaraj, C. Ramasamy and A. Rohini, "Trade Orientation, Terms of Trade and Transmission of Price Instability - Some Evidences under Free Trade Regime in India", *The Asian Economic Review*, Vol. 43, Number 3, 487-501, 2001.
12. Selvaraj, K.N., K.R. Sundaravaradarajan, Anil Kuruvila and A. Rohini, "Performance, Level of Protection and Comparative Advantage of Agriculture in Tamil Nadu, India", *The Bangladesh Journal of Agricultural Economics*, Vol. XXII, Number1, 17-38, 1999.

## Books/Chapters in Books

1. Anil Kuruvila. “International trade and food security: The case of Indian rice”. In: Pouchepparadjou. A., Umamaheswari, L. and Devi, S. T. (eds) Ascertaining food security through livelihood enriching interventions: challenges and opportunities. ISBN: 978-93-84446-89-5, Pandit Jawaharlal Nehru College of Agricultural and Research Institute, Karaikal. pp. 313-316, 2019.
2. Sachu Sara Sabu, Anil Kuruvila, Anirudh K. C., and Rajesh K. R. “Dynamics of food consumption pattern in India and Kerala: A comparative analysis”. In: Pouchepparadjou. A., Umamaheswari, L. and Devi, S. T. (eds) Ascertaining food security through livelihood enriching interventions: challenges and opportunities. ISBN: 978-93-84446-89-5, Pandit Jawaharlal Nehru College of Agricultural and Research Institute, Karaikal. pp. 333-338, 2019.
3. Abhinav, M.C., Anil Kuruvila, Sachu Sara Sabu, Anirudh K. C., Tomson K.S., and Rajesh K. R. “Public Distribution System – Kerala Model”. In: Pouchepparadjou. A., Umamaheswari, L. and Devi, S. T. (eds) Ascertaining food security through livelihood enriching interventions: challenges and opportunities. ISBN: 978-93-84446-89-5, Pandit Jawaharlal Nehru College of Agricultural and Research Institute, Karaikal. pp. 329-332, 2019.
4. Anil Kuruvila; Pouchepparadjou. A and P. Nasurudeen, “The Dynamics of Food Availability, Nutrient Consumption and Cereal Price in India” Chapter 5 in Rural Livelihood and Food Security Edited by Wani, M.H. and Baba, S.H., ISBN: 978-93-80235-93-6, New India publishing Agency, New Delhi, 83-104, 2012.
5. Nasurudeen, P., Anil Kuruvila and R.Rajni, “Performance of Agricultural Trade in the Post reform Period: The Indian Experience”, in „India’s Agricultural Trade: Challenges and Opportunities”, ISBN: 81-314-0643-1, published by ICFAI University Press, 2007.
6. Selvaraj, K.N., Anil Kuruvila and C. Ramasamy, “Trade Orientation and Commodity Diversification - Does World Trade Benefit India?” chapter in Agricultural Marketing - Interventions and Innovations, edited by K.H.Vedini, MANAGE, Hyderabad, 264-287, 2001.

## Student Guidance (Major Advisor)

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### M. Sc.

Within KAU: Completed: 12

Within KAU: Ongoing : 3

### Ph. D

Within KAU: Completed : 3

Within KAU: Ongoing : 3

## Other Institutional Responsibilities

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- Coordinator of the Project Coordination Group for Agricultural Economics, Agricultural Statistics and Agribusiness Management of Kerala Agricultural University
- Member, Project Coordination Group for Farming Systems Research of Kerala Agricultural University
- Member, Intellectual Property Rights (IPR) Cell of Kerala Agricultural University

## Membership in Professional Associations

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- Life Member, Indian Society of Agricultural Economics (ISAE), Mumbai, India
- Life Member, Agricultural Economics Research Association (AERA), New Delhi, India
- Annual member, Society for Promotion of Horticulture, Bengaluru, Karnataka
- Life Member, Indian Society of Spices, Kozhikode, Kerala