



ALAGAPPA UNIVERSITY

(A State University Established in 1985)

Karaikudi - 630003, Tamil Nadu, India



FACULTY OF ARTS DEPARTMENT OF ECONOMICS AND RURAL DEVELOPMENT



M.Phil., ECONOMICS

REGULATIONS AND SYLLABUS

(For the candidates admitted from the
Academic Year 2022 - 2023)

M. Phil., Economics

Course Structure and Syllabi from the Academic Year 2022-23 onwards



Department of Economics and Rural Development

ALAGAPPA UNIVERSITY

(Accredited with 'A⁺' Grade by NAAC (CGPA : 3.64) in the Third Cycle and Graded as Category – I University by MHRD - UGC)

Karaikudi – 630 003, Tamil Nadu, India

Members of the Broad Based Board of Studies

<p>Chairperson: Dr. A. Narayanamoorthy, Senior Professor and Head, Department of Economics and Rural Development, Alagappa University. Teaching Experience: 30 years, Research Experience: 30 years, Area of Research: Economics of Irrigation including Micro-Irrigation, Agricultural Economics and Rural Evaluation Studies.</p>	
<p>Foreign Expert: Dr. Suresh Babu, Senior Research Fellow / Head of Capacity Strengthening, International Food Policy Research Institute, Washington, USA. Teaching Experience: 33 years, Research Experience: 42 years, Area of Research: Food Policy, Capacity Strengthening Nutrition Policy and Natural Resources.</p>	
<p>Indian Expert: Dr. S. Rajendran, Professor, Department of Economics, The Gandhigram Rural Institute, Gandhigram. Teaching Experience: 26 years, Research Experience: 39 years, Area of Research: Development Studies and Water Management Studies.</p>	
<p>Indian Expert: Dr. S. Boopathi, Professor and Head, Department of Economics, Bharathiar University, Coimbatore. Teaching Experience: 18 years, Research Experience: 18 years, Area of Research: Environmental Economics, Natural Resources and Rural Economics.</p>	
<p>Industry Expert: Dr. R. Gopinath, Senior Scientist, MS Swaminathan Research Foundation, Chennai. Research Experience: 15 years, Area of Research: Agrarian studies in India, Food Security and Development Studies.</p>	
<p>Internal Member: Dr. R. Suresh, Assistant Professor, Department of Economics and Rural Development, Alagappa University. Teaching Experience: 07 years, Research Experience: 07 years, Area of Research: Agricultural Economics, Economics of Irrigation and Crop Profitability.</p>	
<p>Internal Member: Dr. K. Ramesh Kumar, Assistant Professor, Department of Economics and Rural Development, Alagappa University. Teaching Experience: 10 years, Research Experience: 06 years, Area of Research: Labour Economics and Development Economics.</p>	
<p>Alumni Member: Dr. N. Gayathri Devi, Assistant Professor, Department of Economics, Sree Sevugan Annamalai College, Devakottai. Teaching Experience: 03 years, Research Experience: 03 years, Area of Research: Agricultural Economics.</p>	

Department of Economics and Rural Development
ALAGAPPA UNIVERSITY, KARAİKUDI – 630 003

Regulations for M.Phil., Programme in Economics

Introduction: The subject of Economics is widely used for making various development policy decisions throughout the world. An in-depth study on the subjects of economics provides comprehensive understanding on the theoretical and empirical issues on the subjects which ultimately help the students to enter into policy making bodies, research and academic institutions, corporate houses, consultancy organisations, etc. This M.Phil., Programme in Economics is expected to help the students in understanding the recent theories in economics and its applications in empirical and policy research.

Programme General Objectives:

- To provide an in-depth understanding on the recent development in economic theories.
- To train the students for competing for Indian Economic Services (IES), Economists position at RBI, NABARD, Government Institutions, Consultancy Organisations and other leading academic and research institutions.
- To facilitate the students on acquiring skills in collecting primary and secondary data needed for the research.
- To provide exposure and required skills to the students in carrying out empirical and policy research in economics.

Programme Specific Objectives:

- To provide basic knowledge about the identification of research problem, research design, formulation of hypothesis, application statistical methods and report writing.
- To provide exposures to the students on the advanced theoretical foundations in various subjects of economics.
- To provide practical knowledge in sharpening the professional skills required to excel in academic and research career.
- To provide overall exposure about the contemporary issues on Indian Economic Development especially on policy and research related issues.

Programme Outcomes:

- The students will be able to formulate research problem and hypotheses, design survey, collect, process and analyse the data, apply statistical tools such as regression in their research. They will also learn to write a decent report.
- Students will be able to understand the different approaches and theories followed in various subject of economics.
- Students will learn the professional skills needed in the subject of economics, art of classroom communication, writing research proposals and good research articles.
- Students will be enriched with new ideas and will be analytically strong by critically looking into issues from the perspective of economic development.

Duration of the Programme: The duration of the M.Phil., Programme (full-time) is one year, offered in two semesters under CBCS.

Eligibility: Applicants with minimum 55 per cent marks in M.A. Economics / Applied Economics / Agricultural Economics / Rural Economics / M.Sc., Economics / M.Sc. Mathematical Economics / M.Sc., Statistics / M.A., Rural Development / M.A., Development Studies / MBA are eligible for admission to the M.Phil., Economics Programme. However, for the candidates belonging to the SC/ST and physically challenged categories, the minimum eligibility marks will be 50% in their Master's Degree. Both male and female students not exceeding 15 in number will be admitted to this programme. Those who are waiting for the results of final semester examination can also apply for this programme. The students will be selected based on their performance both in the written test and the marks scored in PG Programme.

Course of Study: The M.Phil., Programme in Economics has two parts. The part-I will have three theory papers and the part-II will have one theory paper and one dissertation. The candidate can select any topic of research related to the subject areas for his/her dissertation with the consent of the research supervisor. A Research Supervisor will be allotted for each candidate from the faculty members of the department in consultation with the Department Research Committee (DRC).

M.Phil., Economics – Regular Programme

[Course Structure and Scheme of Examination from the Academic Year 2022-23 Onwards]

Course Code	Name of the Paper	Credit	Int Marks	Ext Marks	Total Marks [@]
Semester I					
456 101	Research and Statistical Methods	4	25	75	100
456 102	Readings in Economic Theories	4	25	75	100
456 103	Professional Competency in Economics*	4	75	25	100
Semester II					
456 201	Contemporary Issues in Indian Economic Development	4	25	75	100
456 999	Dissertation	8	(Thesis 150+Viva Voce 50)		200
	Viva-Voce				
	Total	24			600

@ - Minimum pass mark is 50% in both IA and EA.

* - This Course will have rigorous IA with 75 marks and EA with 25 marks which will have Comprehensive Viva-Voce. The IA marks will be decided based on periodical presentation expressing the competencies on subject areas, general awareness, use of computer and internet, communication skills and pedagogical ability.

Dissertation Submission, Evaluation and Viva-Voce: Each M. Phil., student must prepare and submit a dissertation related to the subject areas at the end of the second semester through the Research Supervisor. Two copies of the dissertation must be submitted in the format prescribed by the University to the Head of the Department through the Research Supervisor.

The evaluation of the dissertation will be done by two examiners, of which one will be the Research Supervisor and the other will be appointed by the University from the panel suggested by the Head of the Department. All the Candidates who have scored minimum pass marks will be invited for the Viva-Voce. The Board of Viva-Voce examination will comprise the Research Supervisor, an External Examiner and the Head of the Department.

Passing Marks and Classification: A candidate shall be declared to have passed the examination, if he/she obtains not less than 50% of the marks in each paper, including dissertation. Candidates who do not obtain the required minimum marks for a pass in any paper or dissertation shall be required to reappear and pass the same at the subsequent appearance, as per the University regulations.

Candidates who secure not less than 60% of the aggregate marks in the whole examination shall be declared to have passed the examination in the first class. Candidates who secure not less than 50% of the aggregate marks in the whole examination but below 60% shall be declared to have passed the examination in the second class. Candidates who pass all the examinations prescribed for the course in the first appearance only are eligible for ranking.

General: Other than the above-mentioned regulations, all other regulations stipulated by the University will also be applicable to this M.Phil. Programme.

Semester - I			
Course code: 456 101	Research and Statistical Methods	Credits: 4	Hours: 6
Objectives	➤ To provide basic knowledge on (1) the identification of research problem, (2) creating good research design, (3) the formulation of hypothesis, (4) the application statistical methods, and (5) writing good research report.		
Unit-I	Research Design: Literature Review - Identification and Formulation of Research Problem – Types of Research Design; Exploratory, Descriptive and Experimental Research – Formulation of Hypothesis - Sample Design - Types of Data – Data Sources – Methods of Data Collection - Construction of Schedules and Questionnaire – Pilot Study.		
Unit-II	Descriptive Statistics: Processing Data - Editing, Coding and Tabulating Presentation of Data; Diagrammatic and Graphic Representation of Data. Analysis of Data; Mean, Median, Mode Weighted Average and its Merits and Demerits – Dispersion; Range, Standard Deviation, Co-efficient of Variation, Lorenz Curve and Gini Ratio.		
Unit-III	Analytical Statistics: Correlation; Simple, Partial and Multiple – Pearson's Co-efficient of Correlation and Rank Correlation – Regression; Simple, Linear and Non-linear Regression – Multiple Regression; Probit Model and Logit Model - Time Series Analysis; Components and Uses – Methods of Estimating Trend and Seasonal Variations - Testing of Hypotheses; Large and Small Samples - Parametric and Non-Parametric Tests.		
Unit-IV	Computer Application and Data Analysis: Data Mining and Processing – Model Building – Software Application in Economic Analysis - Interpretation of SPSS Package Output Relevant for Multivariate Analysis and Logit Model – Estimation of BCR, NPV and IRR.		
Unit-V	Report Writing and Related Techniques: Ethics in Report Writing - Planning of a Research Report – Presenting Literature Review - Stages of Writing Report – Layout of the Research Report – Precaution for Writing Research Reports – Citations - Footnotes – Endnotes – Bibliography – Proof Correction – Finalisation of Thesis - h-index - i10-index - Impact Factor – Citation index of Journals.		
Suggested Readings: Bhandarkar, P.L. & Wilkinson, T.S. (2016). <i>Methodology and Techniques of Social Research</i> . Himalaya Publishing House, Mumbai. Elhance, D.N., Elhance V. & Aggarwal, B.M. (2018). <i>Fundamentals of Statistics</i> . Kitab Mahal, Mumbai. Ferber, R. & Verdoon, P.J. (1962). <i>Research Methods in Economics and Business</i> . Macmillan, New York. Ghosh, B.N. (2015). <i>Scientific Method and Social Research</i> . Sterling Publishers, New Delhi. Goode, W.J. & Hatt, P.K. (2022). <i>Methods in Social Research</i> . McGraw Hill, London.			

Gujarati, D., Porter, D.C. & Pal, M. (2017). *Basic Econometrics*. Tata McGraw Hill, New Delhi.

Gupta, S.P. (2021). *Statistical Methods*. S. Chand & Company, New Delhi.

Kothari, C.R. & Garg, G. (2019). *Research Methodology: Methods and Techniques*. New Age International Publishers, New Delhi.

Kurien, C.T. (1973). *Research Methodology in Economics*. Sangam Publishers, Madras.

Moser, C.A. & Kolton, C. (1979). *Survey Methods in Social Investigation*. Heinemann Educational Books, London.

Wooldridge, J.M. (2019). *Introductory Econometrics: A Modern Approach*. South-Western Educational Publishing, Canada.

Outcomes	➤ The students will be able to (1) formulate research problem, (2) construct testable hypotheses, (3) design survey, collect, process and analyse the data, (4) apply statistical tools such as regression in their research, and (5) write a decent research report.
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Semester – I			
Course code: 456 102	Readings in Economic Theories	Credits: 4	Hours: 6
Objectives	➤ To provide exposures to the students on the advanced theoretical foundations in (1) micro economics, (2) macro economics, (3) development economics, (4) fiscal economics, and (5) international economics.		
Unit-I	Micro Economics: Utility Analysis - Theory of Production and Costs- Models and Objectives of Firms; Baumol, Morris and Williamson Models - Pricing and Output under Different Forms of Market Structure - Factor Pricing Analysis - General Equilibrium and New Welfare Economics.		
Unit-II	Macro Economics: Determination of Output and Employment; Classical, Keynesian and Post Keynesian Approaches - Consumption Hypotheses - Theories of Investment - Multiplier and Accelerator - Demand for Money; Fisher and Cambridge, Keynesian, Friedman, Patinkin, Baumol and Tobin Approaches - Phillips Curve Analysis - Business Cycles: Models of Samuelson, Hicks and Kaldor.		
Unit-III	Development Economics: Approaches to Development; Balanced Growth, Critical Minimum Effort, Big Push, Unlimited Supply of Labour, Unbalanced Growth, Low Income Equilibrium Trap - Ranis-Fei Model - Dependence Theory Economic Growth; Harrod-Domar Model, Solow's Model, Joan Robinson and Kaldor - Technical Progress - Hicks Harrod - Production Approach to Growth - Investment Criteria - Cost-Benefit Analysis.		
Unit-IV	Fiscal Economics: Public Expenditure; Hypotheses - Effects and Evaluation- Public Revenue- Theories of Taxation- Different Approaches- Tax Burden, Incidence and Effects of Taxation; Elasticity and Buoyancy; Taxable Capacity- Public Debt; Sources, Effects, Burden and its Management - Fiscal Federalism - Theory and Problems; Problems of Centre-State Financial Relations in India - Finance Commission in India - Fiscal Policy and Fiscal Reforms in India.		
Unit-V	International Economics: International Trade as an Engine of Economic Growth - Theories of International Trade - International Trade under Imperfect Competition - Terms of Trade and Economic Growth - Deterioration of Terms of Trade Hypotheses - Balance of Payment - Traditional, Absorption and Monetary Approaches - Foreign Trade Multiplier - Impact of Tariffs - Recent Monetary Reforms - Trade Policy and Reforms in India.		
Suggested Readings:			
Baumol, W.J. (2015). <i>Economic Theory and Operations Analysis</i> . Prentice Hall of India, New Delhi.			
Behrman, J. & Srinivasan, T.N. (1995). <i>Handbook of Development Economics</i> . Elsevier, Amsterdam.			
Bhagwati, J. (1987). <i>International Trade: Selected Readings</i> . The MIT Press, Cambridge Massachusetts.			
Henderson, J.M. & Quandt, R. (2017). <i>Micro Economic Theory: A Mathematical Approach</i> . McGraw Hill, New Delhi.			

<p>Hunt, E.K. & Lautzenheiser, M. (2011). <i>History of Economic Thought</i>. Taylor&Francis, Abingdon, England.</p> <p>Koutsoyiannis, A. (2008). <i>Modern Microeconomics</i>. Macmillan Press, London.</p> <p>Mankiw, N.G. & Taylor, M. P. (2017). <i>Macroeconomics</i>. Cengage India Private Limited, New Delhi.</p> <p>Mankiw, N.G. (2015). <i>Principles of Microeconomics</i>. Cengage India Private Limited, New Delhi.</p> <p>Menger, C. (2019). <i>Principles of Economics</i>. Ludwig von Mises Institute, Alabama, United States.</p> <p>Musgrave, R.A. & Musgrave P.B. (2017). <i>Public Finance in Theory and Practice</i>. McGraw Hill, New York.</p> <p>Shapiro, E. (2013). <i>Macroeconomic Analysis</i>. Galgotia Publications, New Delhi.</p> <p>Varian, H.R. (2010). <i>Microeconomic Analysis</i>. W.W. Norton and Company, New York.</p>	
Outcomes	<p>➤ Students will be able to understand (1) the recent development in micro economics, (2) the advancement in macro economics, (3) the new approaches of development economics, (4) the usefulness of fiscal economics in decision making, and (5) the emerging issues of international economics.</p>

Semester - I			
Course code: 456 103	Professional Competency in Economics	Credits: 4	Hours: 6
Objectives	To provide practical knowledge in sharpening the professional skills in (1) contemporary development in the subject, (2) the use internet and computers, (3) handling class room communication, (4) pedagogical skills, and (5) writing project proposals and research report.		
Unit-I	General Awareness: Individual and Group Presentations on Contemporary Economic, Social and Business Issues – Reports on Growth Analyses, Poverty Trends Analyses, Industry Analyses, Trade Analyses and Export-Import Trends – Comparative Studies of Countries and Economies – Presentations on Recent Research Problems in the Chosen Areas of Specialization – Highlighting Research Gap – Events in News Papers.		
Unit-II	Internet and Computers: Computer Lab Sessions to Demonstrate use of Online Journals – Sourcing of Online Research Articles from various Publishers – Accessing Data from Paid and Non-Paid Sources like NSSO, CSO, CACP, MOA, MOSPI, etc., - Preparing various Graphs - Preparing Professional Power Point Presentations - Editing and Commenting Reports using Track Change Mode.		
Unit-III	Classroom Communication: Testing of Conceptual Clarity through Quizzing – Participation in Group Discussion - Mentoring and Tutoring Skills to help Slow Learners – Nuances of Written Communication in Preparing Lecture Notes, Case-let and Case Writing for Classroom Use.		
Unit-IV	Pedagogical Skills: Use of Case Study Method, Situational Analysis Method and In Basket Exercises in Teaching – Use of Multimedia Tools like LCD Projectors and Laptops for Presentations and Interactive Instructions – Games and Simulation Relevant to the Area of Specialization – Student Performance Measurement Methods like Grading, Relative Grading, Percentile Method and Measurement Indicators like Mean, Median and Standard Deviation of Students’ Scores in Examinations.		
Unit-V	Project Proposals and Research Article Writing Skills: Presentations on Review of Research Articles in Chosen Areas – Journals and Research Institutes - Preparation of Abstracts and Articles for Journals and Magazines - Components of Project Proposals – Identifying Funding Agencies: (like UGC, ICSSR, IWMI, FAO, ICRISAT, IFPRI, World Bank, SANDEE, etc.,) and Analyzing the Requirements – Research Proposals: Exercises on Research Questions, Research Gaps and Outcome of Research Identification in Chosen Research Areas – Presentation of Proposals.		
Suggested Readings: Kumar, K.L. (2008). <i>Educational Technology</i> . New Age International Publishers, New Delhi. Mangal, S.K. & Mangal, U. (2009). <i>Essentials of Educational Technology</i> . PHI Learning Pvt. Ltd, New Delhi. Michael, D. & William. (2000). <i>Integrating Technology into Teaching and Learning: Concepts and Applications</i> . Prentice Hall, New York. Pandey, S.K. (2005). <i>Teaching Communication</i> . Commonwealth Publishers, New Delhi.			

<p>Sharma, B.R. (2007). <i>Curriculum Reforms and Teaching Methods</i>. Sarup and Sons, New Delhi.</p> <p>Sharma, R.A. (2006). <i>Fundamentals of Educational Technology</i>. Surya Publications, Meerut.</p> <p>Singh V.K. & Sudarshan K.N. (2014). <i>Computer Education</i>. Discovery Publishing Company, New York.</p> <p>Skinner, D. (2010). <i>Effective Teaching and Learning in Practice</i>. Edinburgh University Press Ltd, Edinburgh.</p>	
Outcomes	<p>➤ Students will learn (1) the professional skills needed in the subject of economics, (2) the art of classroom communication, (3) the use of internet and computers, (4) the modern method of teaching, and (5) the writing research proposals and good research articles.</p>

Semester - II			
Course code: 456 201	Contemporary issues in Indian Economic Development	Credits: 4	Hours: 6
Objectives	➤ To provide overall exposure about (1) the contemporary issues on Indian Economic Development, (2) India's role in changing world economy, (3) the issues on industry and infrastructure development, (4) the emerging issues on agriculture, (5) the policy and research related issues on poverty and social development.		
Unit-I	India and the World Economy: Impact of GATT/WTO on Indian Economy - India's Foreign Trade – Globalisation and its Impact on Industry and Agriculture in India – Recent Trends in Macro Economic Policy; Foreign Capital, Inflation Related Issues and Fiscal Reforms.		
Unit-II	Industry and Infrastructure: Growth Pattern of Indian Industry since Liberalisation – Productivity Growth - Rise in Competitiveness– Rise of Service Industry – India and IT – Policies regarding Public Enterprises – Disinvestment– Recent Trends in Trade Liberalisation – State of Infrastructure – Promoting Investment in Infrastructure – Public and Private Partnership.		
Unit-III	Agricultural Development: Diversification of Agriculture – Economics of GM Crops and its Recent Controversy – Price Policy on Agriculture Inputs – Irrigation Investment and Development – Mechanization – Public vs Private Capital Formation – Agricultural Credit and Indebtedness – Agricultural Price Policy – Agricultural Export - FPOs – Contract Farming – Zero Budget Farming Method – New Farm Laws.		
Unit-IV	Poverty and Rural Development: Trends in Poverty before and after the Economic Reforms – Trickle-down Effect – Lakadawala and Tendulkar's Methodology on Poverty Estimation - Watershed Development Programme and Projects; Impact, Monitoring and Evaluation, MGNREGS's Impact on Employment, Wages and Rural Poverty – Various Agricultural and Rural Development Programmes.		
Unit-V	Social Development: Human Development Indicators - Review of Change since early Fifties and Regional Variations – Demographic Transition and its Regional Differences – Health Services and Health Policy, Education Policy - Financing of Health and Education – Rural Water Supply - Employment and Unemployment Trends – Issues related to Self Help Groups - Impact of Public Distribution System - HDI - SDGs.		
Suggested Readings:			
Dreze, J. & Sen, A.K (1997). <i>Indian Development: Selected Regional Perspectives</i> . Oxford University Press, New Delhi.			
Dreze, J. & Sen, A.K. (2005). <i>India: Development and Participation</i> . Oxford University Press, New Delhi.			
Dutt, G. & Mahajan, A. (2016). <i>Indian Economy</i> . S. Chand & Company, New Delhi.			
Jalan, B. (2015). <i>The Indian Economy: Problems and Prospects</i> . Penguin Books, New Delhi.			
Joshi, V. & Little, I.M.D. (2018). <i>India's Economic Reforms 1991-2001</i> . Oxford University Press, New Delhi.			
Kapila, U. (2020). <i>Indian Economy since Independence</i> . Academic Foundation, New Delhi.			

<p>Krueger, O.A. (2004). <i>Economic Policy Reforms and the Indian Economy</i>. Oxford University Press, New Delhi.</p> <p>Myrdal, G. (2008). <i>Asian Drama: An Inquiry into the Poverty of Nations</i>. Kalyani Publishers, New Delhi</p> <p>Rangarajan, C. (2004). <i>Select Essays on Indian Economy (Vol.1&2)</i>. Academic Foundation, New Delhi.</p> <p>Szirmai, A. (2005). <i>Dynamics of Socio Economic Development-An Introduction</i>. Cambridge University Press, Landon.</p> <p>Virmani, A. (2004). <i>Accelerating Growth and Poverty Reduction: A Policy Framework for Indian Development</i>. Academic Foundation, New Delhi.</p>	
Outcomes	<p>➤ Students will be enriched with new ideas on (1) the contemporary issues on Indian Economic Development, (2) India's role in changing world economy, (3) the role of industry and infrastructure in economic development, (4) the emerging issues of agriculture, and (5) students will also be analytically strong by critically looking into issues from the perspective of economic development.</p>

DISSERTATION AND VIVA-VOCE

Course code: 456 999

Credit: 8

CURRICULUM VITAE

Name: Dr. A. Narayanamoorthy
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Educational Qualifications: M.A., M.Phil., Ph.D., D. Litt., LeAP.,

Professional Experience:

- Senior Professor and Head, Department of Economics and Rural Development, Alagappa University, Karaikudi, (January 2008 to till date).
- Dean-Research, Alagappa University, Karaikudi, (May 2020 to till date).
- Full-Time Member (Official), Commission for Agricultural Costs and Prices, Government of India, New Delhi, (August 2018 to May 2019).
- Member of the Syndicate, Alagappa University, Karaikudi, (August 2015 to August 2019).
- NABARD Chair Professor and Head, Department of Economics and Rural Development, Alagappa University, Karaikudi, (January 2011 to December 2016).
- Professor and Head, Department of Economics and Rural Development, Alagappa University, Karaikudi, (January 2008 to August 2018).
- Reader, Gokhale Institute of Politics and Economics, Pune, (January 2006 to January 2008).
- Reader, Gokhale Institute of Politics & Economics, Pune, (December 2000 to June 2005).
- Lecturer, Gokhale Institute of Politics and Economics, Pune (July 1998 to December 2000).

Honours and Awards:

- ISAE FELLOW 2019 Award, Indian Society of Agricultural Economics, Raipur, Chhattisgarh State on November 21, 2019.
- Appointed for 3 years (on August 20, 2018) as full-time Member (Official), Commission for Agricultural Costs and Prices (CACP), Ministry of Agriculture and Farmers Welfare, Government of India, New Delhi, India.
- Vice-President, Indian Society of Agricultural Economics, Mumbai, November 23, 2017.
- Professor Ramesh Chandra Agrawal Award of Excellence, Indian Society of Agricultural Economics, Mumbai, on November 29, 2009.

Recent Publications:

- Narayanamoorthy, A. (2022), *The Irrigation Future of India: Development, Resource and Policy*, Springer Nature, Switzerland.
- Narayanamoorthy, A. (2021), *Farm Income in India: Myths and Realities*, Oxford University Press, New Delhi.
- Narayanamoorthy, A.; R. Suresh and K.S. Sujitha (2021), “The Dying Oasis: A Macro Analysis on Tank Irrigation in Andhra Pradesh, India”, *International Journal of Water Resources Development*, (DOI: 10.1080/07900627.2021.1961696, Routledge, London, UK).
- Narayanamoorthy, A. and K.S. Sujitha (2021), “Trends and Determinants of Farmer Households’ Income in India: A Comprehensive Analysis of SAS Data”, *Indian Journal of Agricultural Economics*, Vol. 76, No. 4. Pp. 620-642.
- Dinesh Kumar, M and A. Narayanamoorthy (2020), “Fixing Agricultural Power Tariff without Hurting Farmers”, *International Journal of Water Resources Development*, Vol. 37, No. 6, pp. 1035-1039 (Routledge, London, UK).
- Narayanamoorthy, A.; N. Devika; R. Suresh and K.S. Sujitha (2020), “Efficiency and Viability of Drip Method of Irrigation in Groundnut Cultivation: An Empirical Analysis from South India”, *Water Policy*, Vol.22, No.6, pp. 1109-1125 (IWA, London, UK).

Total Citation: 2777
h-index: 29
i10-index: 66

CURRICULUM VITAE

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Director General's Office, 1201 Eye Street, NW,
Washington, DC 20005-3915 USA
Phone: +1.202.862.5618
Email: s.babu@cgiar.org



Educational Qualifications:

- M.S., Economics
- Ph.D., Economics

Professional Experience:

- Research Fellow, Research Economist at Cornell University, Ithaca, New York.
- Senior Food Policy Advisor to the Malawi Ministry of Agriculture
- Senior Lecturer at the University of Malawi.
- IFPRI's coordinator of its Central Asia program during 1997-2003 and the coordinator of the South Asia Initiative of IFPRI during 2001-2006.

Honours and Awards:

- Fellow of the National Academy of Agricultural Sciences, India, 2018

Recent Publications:

- Babu, S.C. and K.T. Akramov (2022), "Agrarian Reforms and Food Policy Process in Tajikistan", Central Asian Journal of Water Research, Vol.8, No.1, PP. 27-48.
- Babu, S.C. and N. Srivastava (2022), "Policy analysis for food system approach to food and nutrition security. In New Horizons in Wheat and Barley Research: Global Trends, Breeding and Quality Enhancement, (eds). P. L. Kashyap, V. Gupta, O. P. Gupta, R. Sendhil, K. Gopalareddy, P. Jasrotia and G. P. Singh. Part One: Global Trends and Policy Perspectives, pp. 19–31.
- Samal, P.; S.C. Babu, B. Mondal and S.N. Mishra (2022), "The global rice agriculture towards 2050: An inter-continental perspective", Outlook on Agriculture, Vol.51, No.2, PP.164-172.
- Lalitha, A.; K. S. Purnima, K.G.Reddy, S.C. Babu and A. Sambaiah (2022), "Strategic Role of Indian State Agricultural Universities (SAUs) in rural Development: A Review", Agricultural Reviews, Vol. 43, No.1, pp.84-90.
- Kotamraju, N.R.K.; S.C. Babu and J.R.D. Maligireddy (2021), "Impact of Market Reforms on Technology Adoption And Profitability: The case of tomato farmers in India", Applied Economics Journal, Vol.28, No.2, PP. 1-20.

Total Citation: 10307

h- index: 48

i10- index: 199

CURRICLUM VITAE

Name: Dr. S Rajendran
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Phone: 9894602551
Email: myrajendran@gmail.com



Educational Qualifications:

- M.A., Economics
- M.Phil., Economics
- Ph.D., Economics

Professional Experience:

- Professor, Department of Economics, The Gandhigram Rural Institute, Gandhigram, Dindigul, (October 2004 to till date)
- Professor and Head, Department of Economics, The Gandhigram Rural Institute, Gandhigram, Dindigul, (April 2018 to April 2021)
- Professor and Head, Department of Economics, Periyar University, Salem (October 2005 to April 2015).

Honours and Awards:

- Alumni Award, Department of Economics, Bharathidasan University, Trichy, 2018.
- Overseas Chair Professor by the Indian Council of Cultural Relations, Government of India, 2014-15.
- Honoured By The National Foundation For Entrepreneurship Development, Chennai on The Teachers' Day Celebration (2011) For Outstanding contributions To Teaching, Research and Academic Support.

Recent Publications:

- Rajendran, S. (2020), "Encroachments on the Waterbodies in Tamil Nadu", Economic and Political Weekly, Vol. 55, No. 24, pp. 27-28.
- Rajendran, S. (2018), "Tamil Nadu Revives Kudimaramathu -Ancient Wisdom of Water Management", Economic and Political Weekly, Vol. 53, No.6, pp. 18-20.
- Rajendran, S. (2017), Court Restrains Water Sale from Tamirabarani in Tamil Nadu, Economic and Political Weekly, Vol. 52, No. 9, pp. 1-8.
- Kumar, K.U. and S. Rajendran (2016), "A Study on Water and Sanitation Facilities in Higher Secondary Schools in Salem District, Tamil Nadu", Arthshastra Indian Journal of Economics & Research, Vol. 5, No. 6, pp. 21-30.
- Rajendran, S. (2014), Amma Unavagams of Tamil Nadu – Panacea for Urban Food Insecurity, Economic and Political Weekly, Vol. 48, No. 50, pp. 22-24.

Total Citation: 131

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i10- index: 5

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Professional Experience:

- Professor and Head, Department of Economics, Bharathiar University, Coimbatore, April 2015 to till date.

Recent Publications:

- Rajkumar. V and S. Boopathi (2022), “Economic Value of Recreational Benefits from the Mudumalai Tiger Reserve, Tamil Nadu, India: An Individual Travel Cost Approach”, Review of Development and Change, Vol. 27 No.1, PP. 102-121.
- Agnello J.N.X.; A. Arivoli, V.C. Malarmannan and S. Boopathi (2022), A Review on Cleaner Technology for Sustainable Industrial Practices: Global and Indian Scenario Genesis of Technologies to Control Pollution, Computational Modelling in Industry 4.0, Springer, Singapore, PP. 91-116.
- Agnello J.N.X.; A. Arivoli, S. Boopathi and V. Rajkumar (2022), A Case Study on Evaluation of Energy Management System by Implication of Advanced Technology in Typical Cement Factory Tamil Nadu, India, Smart Technologies for Energy and Environmental Sustainability, Springer, Cham, pp. 245-265.
- Manikandan, R and S. Boopathi (2020), “Willingness to Pay for Improved Rural Water Supply: A Case Study”, International Journal of Ecological Economics and Statistics, Vol.41, No. 1, pp. 78-89.
- Vand, R. and S. Boopathi (2020), “Estimating the Visitors Willingness to Pay for an Entrance Fee of Mudumalai Tiger Reserve, The Nilgiris: A Contingent Valuation Approach”, International Journal of Ecological Economics and Statistics, Vol. 41, No. 1, pp.82-89.
- Agnello, J.; X. Naveen, S. Boopathi, A. Arivoli and J. Balamurugan (2020), “Win-win Strategy of Cleaner Technology-Environmental And Economic Scores Of Sugar Industry In Tamil Nadu”, Indian journal of Environmental Protection (IJEP), Vol.40,No.1, pp. 186-191.

Total Citation: 23

h- index: 3

i10- index:1

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Professional Experience:

- Senior Scientist, M S Swaminathan Research Foundation (MSSRF), Chennai, April, 2013 to till date.
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- Research Associate, United Nations Development Programme, New Delhi, March, 2010 to June, 2012.
- Scientist, M S Swaminathan Research Foundation, Chennai, June, 2005 to February, 2010.

Recent Publications:

- Bhavani, R.V. and R. Gopinath (2020), “The COVID19 Pandemic Crisis and the Relevance of A Farm-System-for-Nutrition Approach”, Food Security, Vol.12, No.4, pp. 881-884.
- Gopinath, R. (2019), Need and Scope for Farming System for Nutrition in Bihar, Indian Journal of Social Research, Vol. 60, No.5, pp. 733-748.
- Rukmani, R.; G Anuradha, R Gopinath, S. Kannan (2019, Need and Scope for Farming System for Nutrition in Bihar, Indian Journal of Social Research, Vol. 60, No. 5, pp. 733-748.
- Women as A Drivers of Change for a Nutrition-Sensitive Agriculture: The Case Study of a Novel Extension Approach in Wardha, Agricultural Research, Vol. 8, No. 1, pp. 523-530.

Total Citation: 174
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i10- index: 4

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Professional Experience:

- Assistant Professor, Department of Economics and Rural Development, Alagappa University, Karaikudi (February 2016 to till date).

Recent Publications:

- Narayanamoorthy, A.; R. Suresh and K.S. Sujitha (2021), “The Dying Oasis: A Macro Analysis on Tank Irrigation in Andhra Pradesh, India”, *International Journal of Water Resources Development*, (DOI: 10.1080/07900627.2021.1961696, Routledge, London, UK).
- Narayanamoorthy, A.; N. Devika; R. Suresh and K.S. Sujitha (2020), “Efficiency and Viability of Drip Method of Irrigation in Groundnut Cultivation: An Empirical Analysis from South India”, *Water Policy*, Vol.22, No.6, pp. 1109-1125 (IWA, London, UK).
- Narayanamoorthy, A.; R. Suresh and K.S. Sujitha (2020), “Is Labour Productivity of Irrigated Crops better than Rainfed Crops?: A Meta-data Analysis”, *Indian Journal of Agricultural Economics*, Vol. 75, No. 4, pp. 481-495.
- Narayanamoorthy, A.; P. Jothi and R. Suresh (2019), “System of Rice Intensification (SRI) for Mitigating the Risks of Climate Change: A Study of Three Settings from Tamil Nadu”, *Indian Journal of Agricultural Economics*, Vol. 74, No. 3, July-September, pp.333-349.

Total Citation: 103

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i10- index: 5

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- Assistant Professor, Department of Economics, Guru Nanak College, Chennai, (June, 2014 to January, 2016).
- Guest Lecturer, Department of Economics, Bharathiar University, Coimbatore, (June, 2013 to May, 2014).

Recent Publications:

- Ramesh K. K.; S. Iyyanar and S. Ramakrishnan (2022), Climate Change and Agricultural Losses in India, *The American Journal of Economics and Sociology*, Vol. 81. No.2. pp.339-358.
- Ramesh K. K. (2021), Employment, Income and Consumption Inequality in India: Regional Perspective, *COVID-19 IN TAMIL NADU Repercussions and the Avenues Ahead*, MANAK Publication, Inc., New Delhi, ISBN 978-1-7322650-7-3.
- Ramesh, K. K. (2021), Covid – 19: Lives and Livelihoods of Seaweed Farming and Its impacts, Excellent Publishing House, New Delhi, ISBN: 978-81-949292-2-2.
- Ramesh, K. K. (2021), Covid – 19 in India: A Macro Level Analysis, Asian Press, New Delhi, ISBN: 978-93-90970—79-7.
- Ramesh, K. K. (2020), Classical Intellectual Influence of Economic Ideas of Tiruvalluvar, *Umuttepe Yayınları Kocaeli/Turkey*, ISBN: 978-605-7858-44-3.

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- Adjunct Lecturer, Department of Economics and Rural Development, Alagappa University, Karaikudi (July 2017 to November 2019).
- Assistant Professor, Department of Management Studies, J.J College of Arts and Science, Pudukkottai. (July 2010 to February 2013).
- Lecturer, Department of Economics, Shri Shankarlal SundarBhai Shasun Jain College for Women, Chennai (June 2009 to April 2010).

Recent Publications:

- Devi, N. G.; A. Narayanamoorthy and M. Bhattarai (2016), "Trends in Agricultural Wage Rate after the Mahatma Gandhi National Rural Employment Guarantee Scheme: A District-wise Analysis of Tamil Nadu", Madras Agricultural Journal, Vol. 103, No. 1-3, pp. 87-95.



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