

CURRICULUM VITAE

NAME : Kaliappa Pillai KALIRAJAN
NATIONALITY : Australian
ADDRESS : Crawford School of Public Policy
Crawford Building #132
The Australian National University
Canberra ACT 0200
Australia
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EDUCATION

1964-68 B.Sc., Madras University, India.
Major: Mathematics
Ancillaries: Statistics and Physics

1968-70 M.Sc. (Mathematical Economics),
Madurai University, India
(Subjects covered: Economic Theory,
Money & Banking, International Trade,
Public Finance, Mathematical Methods,
Statistics, Advanced Economic Theory,
Mathematical Economics, Econometrics,
Economic Development and Planning).

1970-72 M. Litt. by research with specialization in
Econometrics, Madurai University, India.
The thesis dealt with estimation and
comparisons of interstate consumption
patterns of India.

1976-79 Ph.D by research in Economics, Research
School of Pacific Studies, Australian
National University.

The dissertation dealt with modeling,
measuring and comparing farm-level
performances of farmers using modern
and local varieties of paddy using primary
farm-level data from South India.

EMPLOYMENT

1972-76	Assistant Professor in Mathematical Economics (Post Graduate), Madurai University, India.
Jan 1980 - Dec 1981	Visiting Assistant Professor in Econometrics, University of the Philippines, Philippines.
Dec 1981 - Dec 1987	Lecturer in the Department of Economics and Statistics, National University of Singapore, Singapore.
Jan 1988 - Dec 1994	Senior Research Fellow, Department of Economics, Research School of Pacific Studies,
Jan 1995 – April 2004 (on leave from 2001-2004)	Senior Fellow in Quantitative Economics Department of Economics, RSPAS, and Deputy Executive Director, Australia South Asia Research Centre, Australian National University.
Jan. 2000- December 2000	Executive Director, Australia South Asia Research Centre, Australian National University.
April 2001 – March 2009	Professorial Fellow, Foundation for Advanced Studies on International Development (FASID), Tokyo, and Professor of International Development Studies, National Graduate Institute for Policy Studies (GRIPS), Tokyo, Japan.
April 2009 -	Professor, International and Development Economics and South Asian Bureau of Economic Research, Crawford School of Public Policy, ANU.

FELLOWSHIPS

Oct 1971 - Oct 1972	:	Visiting Fellow Sardar Patel, Institute of Economics and Social Research, Ahmedabad, India.
Jan 1980 - Dec 1981		Post-Doctoral Fellow

International Rice Research Institute,
Philippines.

1982 - 1986

Visiting Fellow
Department of Economics
Research School of Pacific Studies
Australian National University

Winter: 1992, 1999 to 2008

Visiting Professor
International University of Japan
Urasa, Japan.

April 2004 – July 2006

Adjunct Professor, Economics Division,
Research School of Pacific and Asian
Studies, Australian National University.

Jan 1996 – till date

Adjunct Professor
Madras School of Economics
Chennai, India.

April 2001- 2011

Professor, FASID-GRIPS Joint Graduate
Program, National Graduate Institute for
Policy Studies, Tokyo, Japan.

April 2009 – till date

Visiting Professor, International
University of Japan, Urasa, Japan.

GEOGRAPHICAL AREA OF RESEARCH: Asia-Pacific: South,
Northeast, and
Southeast Asia, and
Australia.

AREAS OF SPECIALIZATION:

- 1) Applied Development Economics
- 2) Applied Econometrics
- 3) Applied International Economics

RESEARCH INTERESTS :

- 1) Modelling and Analysis of Sources of Growth.
- 2) Regional economic groupings and International Trade.
- 3) Macroeconometric modeling and Policy Analysis.
- 4) Green growth in Asia.

TEACHING EXPERIENCE:

<u>Year</u>	<u>Subjects Taught</u>	<u>Class</u>	<u>Institution</u>
1972-76	Economic Theory	M.Sc.	Madurai Uni.
	Mathematical Economics	M.Sc.	"
1980-81	Econometrics	M.Sc.	University of the

			Philippines
1981-84	Development Economics	B.Sc.	NUS
1985-87	Econometrics	B.Sc.	"
"	Comparative Economic Systems	B.Sc.	"
			U.K. and Institute of Management
1990-1992	Comparative Economic Systems	B.Eco.	ANU
1992-1994	Economic Modelling and Introductory Econometrics	PG course	"
Winter 1992	Econometrics; Industrial Economics.	M.Sc.	International University of Japan (IUJ)
Winter 1999	Benefit-Cost Analysis; International Trade.	M.A.	"
Winter 2000	Benefit-Cost Analysis; Industrial Organization.	M.A.	"
Spring 2001	Development Economics	M.A.	IUJ
Spring 2001	International Trade: Theory And Analysis	M.A.	GRIPS-FASID Graduate Program
Summer 2001	Development Problems in Asia	M.A.	GRIPS-FASID
Winter 2002	Benefit-cost Analysis	M.A.	IUJ
Winter 2002	Development Project Analysis	M.A.	GRIPS-FASID
Spring 2002	International Trade: Theory & analysis	M.A.	GRIPS-FASID
Spring 2002	Research Methodology	M.A.	GRIPS-FASID
Spring 2002	Development Administration	M.A.	Sophia University
Winter 2003	Benefit Cost Analysis	M.A.	IUJ
Fall, Winter & Spring 2003:	Development Research Seminar	M.A.	GRIPS-FASID
Winter 2003	Development Project Analysis	M.A.	"
Spring 2003	Development Administration	M.A.	Sophia University
Fall, Winter & Spring 2004:	Development Research Seminar	M.A.	GRIPS-FASID
Winter 2004	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Spring 2004	Development Administration	M.A.	Sophia University
Fall, Winter & Spring 2005:	Advanced Development Research	M.A.	GRIPS-FASID
Winter 2005	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Spring 2005	Development Administration	M.A.	Sophia University
Spring 2005	International trade and Industrialization	MIDEC	ANU
Fall, Winter & Spring 2006:	Advanced Development Research	M.A.	GRIPS-FASID

Winter 2006	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Spring 2006	Development Administration	M.A.	Sophia University
Spring 2006	Trade, Development and the Asia-Pacific Economy.	MIDEC	ANU
Winter 2007	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Spring 2007	Development Administration	M.A.	Sophia University
Autumn 2007	Trade, Development and the Asia-Pacific Economy.	MIDEC.	ANU
Winter 2008	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Spring 2008	Development Administration	M.A.	Sophia University
Spring 2008	Development Project Analysis	M.A.	Internat. Christ. Uni. (ICU), Japan
Autumn 2008	Trade, Development and the Asia-Pacific Economy.	MIDEC.	ANU
Winter 2009	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Autumn 2009	Trade, Development and the Asia-Pacific Economy.	MIDEC	ANU
Autumn 2009	Quantitative International Economics	MIDEC	ANU
Winter 2010	Development Project Analysis	M.A.	IUJ, & GRIPS-FASID
Autumn 2010	Trade, Development and the Asia-Pacific Economy.	MIDEC	ANU
Autumn 2010	Quantitative International Economics	MIDEC	ANU
Winter 2011	Development Project Analysis	M.A.	IUJ
Autumn 2011	Quantitative International Economics	MIDEC	ANU
Semester I, 2012	Quantitative International Economics	MIDEC	ANU
Winter 2012	Development Project Analysis	M.A.	IUJ
Winter 2013	Development Project Analysis	M.A.	IUJ
Semester I, 2013	Quantitative International Economics	MIDEC	ANU
Semester II, 2013	Trade, Development and the Asia-Pacific Economy	MIDEC	ANU
Winter 2014	Development Project Analysis	M.A.	IUJ
Semester I 2014	Quantitative International Economics	MIDEC	ANU
Semester II, 2014	Trade, Development and the Asia-Pacific Economy	MIDEC	ANU
Semester I 2015	Quantitative International Economics	MIDEC	ANU

PhD SUPERVISION

Chair: (ANU)

Student

Thesis Title

Awarded:

1. Marios Obwona	Production frontiers and efficiency measures: Concepts and applications.
2. R.A. Salim	Economic Reforms and Productive Capacity Realisation in Bangladesh Manufacturing Industries.
3. X.Wang	Contribution of China's Rural Industrialization to Economic Growth During the Period of Economic Reform.
4. R. Mahadevan	Sources of Growth in Singapore.
5. S. Nainggolan	Technical and Institutional Change in Smallholder Rubber Production in Indonesia.
6. Than Nguyen	Monetary Policy Reforms in Vietnam.
7. Kanhaiya Singh	Inflation, Economic Growth and Monetary Policy in India: A Macroeconomic Analysis.
8. C.S. Sun	Sources of Growth in East Asia: Revisited.
9. Adil Khan Miankhel	Trade Exposure and the Dynamics of Regional Integration.
10. Shabhaz Nasir	Service-led Growth in South Asia.
11. Gregory Lopez	How Malaysia can get out of the Middle Income trap?
12. Raymond Prasad	US Monetary policy and Monetary reaction function in the context of Global financial crisis.

Under Preparation:

1. Arti Devi	Essays in Monetary Policy in Developing Countries.
2. Tufail Khan Yousafzai	Economic and Environmental Implications of Agricultural Externality using Dynamic Optimization.
3. Nguyen Dang Tai	Fiscal Decentralization and Economic Growth in Vietnam.
4. Haiyang Zhang	An Econometric Analysis of Patent Institution in China.
5. Gan-Ochir Doojav	A Macroeconomic Dynamic Model for Mongolia.

Panel Member_(ANU)

Awarded:

Student

Topic

1. S. Chaiyindeepum	Energy Price Shock and the Macroeconomic
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- | | |
|---------------------|---|
| 2. Cao Yong | Adjustments: A traded/non-traded model.
Chinese Firm's Behaviour and Productive Efficiency: The case of Iron and Steel Industry. |
| 3. I.Sarntisart | Industrial Protection and Income Distribution in Thailand. |
| 4. Shiji Zhao | Shortage and Efficiencies of Capital and Energy in the State and Rural Enterprises in China. |
| 5. Lu Weiguo | Fibre Substitution in the Chinese Textile Industry. |
| 6. P.Kaipornsak | Total factor productivity in Thailand. |
| 7. B.S.Min | Trade and Industrial Policy under Imperfect Competition: The case of South Korea. |
| 8. W.T.Wang | Technology Transfer and Foreign Direct Investment in Taiwan. |
| 9. Harley Dale | Integration of Greater China. |
| 10. S. Nainggolan | Technical and Institutional Change in Smallholder Rubber Production in Indonesia. |
| 11. C.S. Lee | Sustainability of Growth in Transition Economies: The case of Korea. |
| 12. S.J.Seneque | The Institutional Impact of Economic Policies and Reforms on Vietnamese Agricultural Performance since 1976. |
| 13. K.Bird | Market Structure, Firm Entry and Performance in Indonesian Manufacturing. |
| 14. H.Aswicahayono | Sources of Total Factor Productivity Growth in Indonesian Manufacturing Industries. |
| 15. Abu Mollik | Empirical Tests of the Effects of Debt-Equity Choice on the Systematic Risk and Firm Value in Australia. |
| 16. I.F.Sulaiman | Multinationals and their Relocational Dynamics to the Indonesian Electronics Industry. |
| 17. P.Thapa | Analysis of Agricultural Household Production and Consumption Behaviour in Nepal. |
| 18. T.Chen | Trade Liberalization, Adjustment and Intra-Industry Trade. |
| 19. X.Xu | Environment and Exports in the Asia-Pacific region. |
| 20. Lal Weerasinghe | Analysis of Openness Measures. |
| 21. Vanessa Tamms | International Airlines: An Efficiency Analysis. |
| 22. Son Chu | Trade Liberalization and Manufacturing Performance in Vietnam. |

Chair (GRIPS-FASID, Japan) (2001-2009) (Awarded)

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| 1. Mizanur Rahman | An Econometric Evaluation of East Asian Production Networks and China's Exports: Impact of Exchange Rates. |
| 2. Imran Ullah Khan | An Analysis of Pakistan's Free Trade Arrangements with China, Sri Lanka, and Japan. |
| 3. Chowdhury Zia Uddin
Hayat (till Mar. 2009) | The Process of Poverty Reduction in the Rural Economy of Bangladesh: The Role of Occupation |

Change and Institutional Access.

Panel Member (GRIPS-FASID) (Awarded)

1. John Akoten Determinants of Cluster-based firm Growth: The Case of Garment Manufacturers in Kenya.
2. Hong Choemun Agricultural Pricing Policy in Developing Countries.
3. Supattra Chendchuchi Income Mobility and Child Schooling in Rural Thailand.

ADMINISTRATIVE EXPERIENCE:

1. Member, Graduate Admissions Sub- Committee in Development Economics, National Centre for Development Studies, Australian National University, 1992-2000.
2. Collaborator and coordinator of research projects.
3. Deputy Executive Director, Australia South Asia Research Centre, ANU from 1995-1999.
4. Executive Director, Australia South Asia Research Centre, ANU, Jan – Dec. 2000.
5. Research School of Pacific and Asian Studies Scholarship Committee Member, 1995-2000.
6. Coordinator, Intensive English Programme, GRIPS-FASID Joint Graduate Program, from 2003 to 2009.
7. Member, Recruitment Committee, Crawford School of Economics and Government, ANU, from January 2010 to Dec 2012.

CONSULTANCIES:

1. International Rice Research Institute - Philippines.
2. MARGA Institute - Sri Lanka (Sri Lanka Institute for Development).
3. Economic Planning Unit, Prime Minister's Dept., Malaysian Government.
4. Institute of Southeast Asian Studies, Singapore.
5. Singapore Institute of Management, Singapore.
6. Commonwealth of Australia, Department of Foreign Affairs and Trade.
7. Western Australian Government, Dept. of Commerce and Industries.
8. World Health Organization, Geneva.
9. The World Bank, Washington, D.C.
10. UNITAR
11. UNESCAPE, Bangkok.
12. BHP Engineering, Sydney.
13. UNDP, Washington, D.C.
14. Defence Research and Development Organisation (DRDO), Govt. of India.
15. Asian Development Bank Institute, Tokyo.
16. Bureau of Resources and Energy Economics, Department of Industry, Commonwealth of Australia, Canberra.

ACADEMIC and POLICY ANALYSIS CONTRIBUTIONS:

Books (Published)

1. Policy Options for Singapore, (Co-authored with Lim Chong Yah et al.), McGraw Hill, Singapore, 1988.
2. Rice Production: An Econometric Analysis, Oxford and IBH Publishing Co., New Delhi, India, 1990.
3. Economics in Disequilibrium: An Approach from the Frontier, (jointly with R.T.Shand), Macmillan, New Delhi, 1994.
4. Applied Econometrics, Oxford and IBH Publishing Co., New Delhi, and Scientific Publishers, Lebanon, N.J., U.S.A., 1995.
5. The Economics of Electricity Supply in India, (jointly with M. Govinda Rao and R. T. Shand), Macmillan, New Delhi, 1998.
6. Productivity and Growth in Chinese Agriculture, (jointly edited with Yanrui WU), Macmillan, London, and St. Martin's Press, New York, U.S.A., 1999.
7. Enhancing the Trade and Investment Environment in the Indian Ocean Rim, (jointly with R.T. Shand), Canberra: Department of Foreign Affairs and Trade, 2000.
8. Accelerating Growth Through Globalization of Indian Agriculture (jointly with Mythili and Sankar), Macmillan, New Delhi, 2001.
9. Economic Reforms and the Liberalisation of the Indian Economy (jointly edited with Sankar), Edward Elgar, U.K., 2003.
10. A Disequilibrium Macroeconometric Model for India (jointly with S. Bhide), Ashgate, U.K., 2003.
11. Macroeconomic Policies and Poverty Reduction: The Case Study of Samoa (jointly with KV Consultancy, and T. Palanivel), UNDP, 2006.
12. Contributions of Agricultural Economics to Critical Policy Issues (jointly edited with K. Otsuka), Blackwell Publishing, 2007.
13. Agriculture in Developing Countries: Technology Issues, (jointly edited with K. Otsuka), Sage Publications, London, 2008.
14. Strategies for achieving High Growth in Indian States (jointly with S. Bhide and R. Shand), Sage Publications, London, 2010.
15. Community, Market, and State in Development (jointly edited with Keijiro Otsuka), Palgrave Macmillan, London, 2011.

Guest Editor

1. (with K. Otsuka) Special edition on "An Exploration of a Green Revolution in Sub-Saharan Africa", electronic Journal of Agricultural and Development Economics, 2(1), 2005, 1-102.

2. (with K. Otsuka) Special edition on "Rice Green Revolution in Asia and its Transferability to Africa", Developing Economies, 2006.

Books (Under Preparation)

1. Research Methods for Empirical Analyses (jointly with M.B. Obwona and K. Kajisa).

Monographs

1. *From Crisis to Consensus: Economic Reforms in India*, (jointly with R.T. Shand), The Australia South Asia Research Centre with assistance from the Department of Foreign Affairs and Trade, Canberra, 1996.
2. *Economic Profiles in South Asia: India* (jointly with R.T. Shand), The Australia South Asia Research Centre with assistance from the Department of Foreign Affairs and Trade for The Year of South Asia, Canberra, 1997.

Chapters in a Book

1. "Measures of Central Tendencies and Dispersions" in *Basic Economic and Statistical Tools for Agricultural Research*, International Rice Research Institute, Los Banos, Philippines, 1982, (pp.9-30).
2. "Economic Relations Between Indonesia and South Asia", in Wadhwa and Asher (eds.), *ASEAN-South Asia Economic Relations*, Institute of Southeast Asian Studies, Singapore, 1985, (pp.29-65).
3. "Major Issues in Manpower Planning in ASEAN Countries", in RIHED (ed.), *Manpower Planning in ASEAN Countries*, Regional Institute for Higher Education and Development, Singapore, 1985, (pp.3-14).
3. "Measuring Production Risk using a Modified RCRM Model" in A. Moulder and U. Renborg (eds.), *Agriculture in a Turbulant World Economics*, Gower Publishing Company, England, 1986, (pp.649-655).
4. "ASEAN Co-operation on minerals: Looking Back and Looking Forward" in Noordin Sopiee et al. (eds.) *ASEAN at the Cross Roads*, Institute of Strategic and International Studies, Malaysia, 1987, (pp.281-302).
5. "Socioeconomic Analysis", (with R.T. Shand) in Kenneth M. Menz (ed.) Rice Production in Sri Lanka: A Combined Agronomic/Economic Study in the Intermediate and Dry Zones. ACIAR Technical Reports 17, Canberra, Australian Centre for International Agricultural Research, 1990, pp.30-39.
6. "A Generalized Measure of Government Intervention: The Case of Industrial Concentration" in George F Rhodes,Jr.(ed.)

- Advances in Econometrics: Econometric Methods and Models for Industrial Organizations*, Jai Press Inc., Greenwich, Connecticut, 1991, (pp.205-222).
7. "On Modelling Agricultural Entrepreneurship" (jointly with Shand), in B.K. Kapur, E.T. Quah and H.H. Teck (eds.) *Development, Trade and the Asia-Pacific*, Prentice-Hall, Singapore, 1996.
 8. "Modelling and Measuring Technical Efficiency: An Alternative Approach" (jointly with Shand), in R. Rose, C. Tanner and M.A. Bellamy (eds.) *Issues in Agricultural Competitiveness: Markets and Policies*, Dartmouth Publishing Company, Hants, England, 1997, pp. 232-240.
 9. "On Measuring Farmer-Specific and Input-Specific Allocative Efficiency", (jointly with M. Obwona and R. Shand) in R. Rose, C. Tanner and M.A. Bellamy (eds.) *Issues in Agricultural Competitiveness: Markets and Policies*, Dartmouth Publishing Company, Hants, England, 1997, pp. 240-249.
 10. "India" in *Asia-Pacific Profiles 1997*, Asia-Pacific Economics Group, Canberra, 1997.
 11. "India" in *Asia-Pacific Profiles 1998*, Asia-Pacific Economics Group, Canberra, 1998.
 12. "Indian Ocean Grouping: An Emerging Reality?" (jointly with Shand), in R.K. Sen, K.C. Roy and C.A. Tisdell (eds.) *World Trade and Development*, Atlantic Publishers, New Delhi, 1997.
 13. "Is There any Message from State Enterprises in China to Public Sector Enterprises in India for Privatisation?" (jointly with Shand and Zhao), in Ric Shand (ed.) *Economic Liberalisation in South India*, Macmillan, New Delhi, 1998, pp.339-361.
 14. "Impact of Rural Industrialisation on Economic Growth: A Comparison of India and China" (jointly with Li, Wang and Shand) in Ric Shand (ed.) *Economic Liberalisation in South India*, Macmillan, New Delhi, 1998, pp.465-479.
 15. "The Agriculture-Manufacturing Nexus and Sequencing in India's Reform Process" (jointly with Shand), in Ric Shand (ed.) *Economic Liberalisation in South India*, Macmillan, New Delhi, 1998, pp.480-494.
 16. "Economic Reforms and Convergence of incomes across Indian States: Benefits for the Poor" (jointly with R.T. Shand and S. Bhide), in S. Gangopadhyay and W. Wadhwa (ed) *Economic Reforms for the Poor*, Konark Publishers, New Delhi, 2000, pp.47-74.
 17. "Economic Reforms and the Poor: Unearthing new Linkages" (jointly with S. Bhide and R.T. Shand), in S. Gangopadhyay and W. Wadhwa (ed) *Economic Reforms for the Poor*, Konark Publishers, New Delhi, 2000, pp.369-404.
 18. "Trade Patterns of the IOR-ARC: Patterns and Perspectives in the '90s" (jointly with Ric Shand), Chapter 7 in J. Mahender Reddy (ed) *Trade and Investment: Issues in the Indian Ocean*

- Rim*. Sterling Publishers Private Limited. New Delhi, March, pp. 232-294, 2000, ISBN 81 207 2286 8.
19. "Sequencing in India's Reform Process: The Agriculture-Manufacturing Linkages" (jointly with U. Sankar), in Kaliappa Kalirajan and Ulaganathan Sankar (eds.) *Economic Reforms and the Liberalisation of the Indian Economy*, Cheltenham: Edward Elgar, 2003, pp.49-74.
 20. "Impact of Sector-specific and Macro level Reforms on Agriculture: Simulations of a Macroeconometric Model" (jointly with S. Bhide), in Kaliappa Kalirajan and Ulaganathan Sankar (eds.) *Economic Reforms and the Liberalisation of the Indian Economy*, Cheltenham: Edward Elgar, 2003, pp.104-146.
 21. "Income Inequality and Convergence of Income across Indian States" (jointly with Takahiro Akita), in Kaliappa Kalirajan and Ulaganathan Sankar (eds.) *Economic Reforms and the Liberalisation of the Indian Economy*, Cheltenham: Edward Elgar, 2003, pp.163-184.
 22. "An Empirical Analysis of Monetary Transmission in India" (jointly with K. Singh), in Kaliappa Kalirajan and Ulaganathan Sankar (eds.) *Economic Reforms and the Liberalisation of the Indian Economy*, Cheltenham: Edward Elgar, 2003, pp. 275-308.
 23. "The Impact of a Decade of India's Trade Reforms", in Raghbendra Jha (ed.), *Indian Economic Reforms*, Palgrave Macmillan, 2003.
 24. "A Review of India's Recent Trade Policy Reforms", in G. Mythili and R. Hema (ed.) *Topics in Applied Economics: Tools, Issues and Institutions*, Academic Foundation, New Delhi, pp.261-288, 2005.
 25. "On Measuring Efficiency Using Stochastic Frontier Production Function", in Ranjan Ghosh & Chiranjib Neogi (eds.) *Theory & Application of Productivity and Efficiency : Econometric and DEA approach*, Macmillan, New Delhi, pp. 67-78, 2005.
 26. "Introduction: the 26th Conference of the IAAE", in K. Otsuka and K. Kalirajan (eds.) *Contribution of Agricultural Economics to Critical Policy Issues*, Blackwell, London, pp. v-xii, 2008.
 27. "Technology Issues in Developing Countries' Agriculture", in K. Otsuka and K. Kalirajan (eds.) *Agriculture in Developing Countries: Technology Issues*, Sage Publications, London, pp. 17-27, 2008.
 28. "Free Trade Arrangement between India and Japan: An Exploratory Analysis", in Raghbendra Jha (ed) *The Indian Economy Sixty Years After Independence*, Palgrave Macmillan, New York, pp.137-152, 2008.
 29. "Measuring the environmental impacts of changing trade patterns on the poor", in Armin Bauer and Mya Thant (ed) *Poverty and Sustainable Development in Asia*, Asian Development Bank, Manila, pp.491-506, 2010.
 30. "Service Sector-led Growth in India: Outcomes and Opportunities", in MoonJoong TCHA (ed) *The Service Sector Advancement: Issues and Implications for the Korean Economy*,

- Korean Development Institute, Seoul, pp.132-154, 2010.
31. “Community, Market and State in Development: An Introduction”, in K.Otsuka and K. Kalirajan (eds.) *Community, Market, and State in Development*, Palgrave Macmillan, London and New York, pp. 3-10, 2011.
 32. “Development Performance across Indian States and the Role of Governments” in K.Otsuka and K. Kalirajan (eds.) *Community, Market, and State in Development*, Palgrave Macmillan, London and New York, pp. 45-63, 2011.
 33. “Decentralization in India: Outcomes and Opportunities” in D.K. Srivatsava and U. Sankar (eds.) *Development and Public Finance*, Sage Publications, New Delhi and London, pp. 238-251, 2011.
 34. “Fiscal Decentralization and Development Outcomes in India” in K. Otsuka and T. Shiraishi (eds.) *State Building and Development*, Routledge, London and New York, pp.139-156, 2014.

Research Papers Dissemination

I have published 148 papers until December 2014 in one of the following refereed journals.

Agricultural Economics
 American Journal of Agricultural Economics
 Applied Economics
 Applied Economics Letters
 Asian Economic Papers
 Asian Economic Review
 Asian Economies
 Asian Development Bank Institute Working Papers.
 Australian Journal of Agricultural Economics
 Benchmarking: An International Journal
 Canadian Journal of Agricultural Economics
 China Economic Review
 Economics Letters
 Economic and Political Weekly
 Economic Papers
 Economic Modelling
 Indian Economic Review
 Indian Economic Journal
 Indian Journal of Agricultural Economics
 International Journal of Social Economics
 International Journal of Business and Economics
 International Economic Journal
 International Journal of Commerce and Management
 Japan and the World Economy
 Journal of Developing Areas
 Journal of Development Studies
 Journal of Asian Economics

Journal of Applied Econometrics
Journal of Productivity Analysis
Journal of Economic Surveys
Journal of Economic Integration
Journal of Applied Statistics
Journal of Economic Development
Journal of Agricultural Economics
Journal of Industrial Economics
Journal of Emerging Knowledge on Emerging Markets
Journal of Quantitative Economics
Journal of Economic Studies
Journal of Comparative Economics
Journal of Policy Modeling
Journal of Social and Economic Development
Land Economics
Oxford Bulletin of Economics and Statistics
Oxford Development Studies
Pakistan Journal of Applied Economics
Pakistan Development Review
Philippines Economic Journal
Sankhya (Indian Journal of Quantitative Economics)
Singapore Economic Review
Singapore Management Review
South Asian Journal of Management Research
The Developing Economies
World Development

Funded Research Projects

Completed:

Relations between South Asia and ASEAN - UNITAR Programme on Regional and Inter-regional Co-operation in the Eighties (Project Leader and Collaborator), 1982-83.

Australia - ASEAN Relations: Industrial Regulations and Licensing in Singapore (Collaborator), 1983-84.

A Regional Analysis of the Transfer and Performance of New Technologies in Rice-Based Farming Systems in Sri Lanka and the Philippines (Collaborator). A joint project by the Department of Agriculture, Government of Sri Lanka, Ministry of Agriculture and Food, Government of the Philippines, Australian National University and the Australian Centre for International Agriculture Research, 1984-1988.

The Economics of Generation, Transmission and Distribution of Electric Power in India: I have completed this AusAID funded project jointly with Dr. Ric Shand and Dr. M. Govinda Rao. **This study analyses the patterns of supply of and demand for**

electrical energy, and identifies the factors causing persistent shortfall in production, pricing and distribution of electricity.

It discusses the organisational and institutional constraints to improve the performance and suggests several solutions. 1996. The findings of this project were published as a book by the Macmillan Publishers.

Grain Production and Market Integration in China: In this collaborative research project with the University of Adelaide, and the Ministry of Agriculture in China, I had been working as a member of the ANU team with Professor Ross Garnaut and Dr. Yiping Huang. **I had been working on the production aspects of the grain sector, particularly examining the question of potential of grain production in China.** It has been acknowledged in the literature that productive efficiency in grain production in China has substantially improved in the post-reform period, particularly in the early eighties. Since then, there had been several policy changes in China, which had affected the growth of the sector. Specifically, the spectacular growth of rural industries has attracted significant physical and human capital from agriculture. It is in this context, Brown's warning of China becoming world's number one importer of grain soon, has raised an important question of whether China has reached its grain production potential. Using the recent household survey data from 1993 to 1995, this question has been answered. Some of the results have been presented in international conferences (at the East West Centre in August 1995 and at the Ministry of Agriculture, Beijing in October 1996). (1993-1996).

Accelerating Growth Through Globalising Indian Agriculture: This is a joint research project with the Madras School of Economics, India which was funded by the Australian Centre for International Agricultural Research. I was the project leader and also a collaborator. Objectives of this project were: • To review existing pricing and market policies affecting the agriculture sector for all major commodity groups at the national and regional levels with a view to identifying constraints on resource use impinging on the efficiency of trade, marketing and production activities, and suggesting policies to remove these constraints, and estimating the likely impact of such reform policies on the patterns of trade and domestic crop production, and on levels and gaps in incomes of the rural population between States; • To identify technological, structural and institutional reforms required to ensure that price and market reforms are effective; • To gauge the likely impact of agricultural growth under reform policies on the growth of manufacturing sector. This project was carried out during 1996-1999.

India's Reforms Dynamics: Weak Link in Poverty Alleviation. This project was funded by a research grant from the Foundation for

Advanced Studies on International Development in Tokyo. Urban poverty in India is a spillover of rural poverty. To that extent, this project advocates policies directly targeting the agricultural sector to reduce poverty. This study argues that there is definitely a role for the government in poverty alleviation. This study shows that after the initiation of reforms, the divergence in growth rates across the states has been reduced. Though the effective functioning of some of the institutional factors have been responsible for reducing divergence in the post-reform periods, further improvement of institutional factors are needed. The policy conclusion is that promoting private investment and technological progress in agriculture are central to reducing poverty (2001-2002).

Indian Ocean Rim-Association for Regional Cooperation (IOR-ARC):

I had earlier worked jointly with Dr. Ric Shand of the Australian National University in this research topic as a continuation to our consultancy in 1995 to the Department of Foreign and Affairs and Trade of the Commonwealth of Australia. With the landmark economic reforms in South Asia and political changes in South Africa, several issues concerning trade and investment have emerged within the Indian Ocean region and internationally. Following the concept of 'Open Economic Association', the question examined in this project is whether a market-driven economic integration is emerging involving the Indian Ocean Rim countries. We have published some of our results in research journals since 1996. (2001-2003).

Are the Poor States Left Behind with the Economic Reform of India?

This project was funded by the Foundation for Advanced Studies on International Development in Tokyo. This study is an attempt to examine if the spillover effects of growth in one state lead to growth in another state using various statistical tests of 'causality'. Are the Indian states 'islands' isolated from each other's growth impulses? In this project, we briefly reviewed the growth experience of the states in an attempt to discern if there were patterns with respect to growth across states: did some states perform generally 'better' than other states? Next, 'causality tests' were defined and test results were discussed with special attention to explore possible explanations for the causal linkages between states. Finally, the concluding remarks of this exploratory study were presented with policy recommendations for strengthening growth linkages across States. (2002-2003). The results were published in the *Oxford Development Studies* and the *International Journal of Social Economics*.

A Comparative Analysis of Macroeconomic Policies of China and India: Is Australia's Trade More Open to China than to India?:

The Chinese government has demonstrated its potential to growth. Why does India lag in showing the same kind of

dynamics? Can India learn from the Chinese experiences? In what ways the Chinese macroeconomic policies are different from those of India? These are some of the questions that have occupied the minds of development economists always. Thus, an analytically critical study of the Indo-Chinese economies is long overdue. Such a comprehensive analysis should include all critical areas of policy formulation and make a comparative perspective for the benefit of developmental strategies of other developing countries. The objective of this study is to examine the trade policy and its impact on trade in these countries using Australia as a benchmark for performance measurement. This project was funded by FASID and was completed in December 2005.

11. Exploring the BIMSTEC-Japan Free Trade Option towards Asian Economic Community.

The objective of our research is estimating the trade effects of the free trade arrangements between Japan and BIMSTEC. From the low trade coverage between Japan and BIMSTEC countries it is seen that there is enough potential for trade between Japan and BIMSTEC countries, which can only be achieved through free trade arrangement between the two. Therefore, estimating trade potential between the two will be the first step, which will suggest the extent of PTAs or even to go further, time horizon for FTA to achieve the larger goal of Asian Economic Community. In the second part of this study, we measured the expansion of the intra-regional trade (i.e. between Japan and BIMSTEC countries) under different hypothetical PTAs (i.e. under four scenarios viz. 25 per cent tariff cut, 50 per cent tariff cut, 75 per cent tariff cut and under free trade condition) . Our tool for empirical analysis is an extended stochastic varying coefficients version of the well-known gravity model of bilateral trade as developed by Kalirajan. The co-researcher in this project is Dr. Swapan Bhattacharya from the Indian Institute of Public Administration in New Delhi. This project was completed in March 2006.

12. The Impact of technological innovations on the growth of small and medium enterprises in Karnataka State in India.

Small firms, which account for a substantial proportion of India's industrial sector not only in terms of number of units and employment but also in terms of production, value added and exports, have not sufficiently benefited from the 1991 economic reforms. Japan's industrial development process indicates that technological innovations enable small firms to acquire and enhance competitiveness and thereby facilitate their sustained growth. As it is imperative to strengthen the small scale sector in India due to its important socio-economic contributions in the economy, the crucial question that is examined in this project is how effectively technological innovations have been instrumental to the growth of SMEs, as in the case of Japan's industrial

development process. If not, why is it so. Further, there does not seem to be any significant literature in India, which has probed the influence/impact of technological innovations on the growth of SMEs., and this project is expected to fill this knowledge gap. The study was confined to the SMEs of manufacturing industry in Karnataka State, which is one of the pioneering States in the field of industrialization and the 'new economy'. This project was completed in 2007.

13. Self Help Group and Poverty Reduction in India: The case of Uttarakhand State in India.

In order to fight back poverty, the Central as well as States Governments in India has attempted a number of programs leading to income generation. In the case of programs with temporary employment can also lead to sustainable development if the resultant income could be deployed in profitable activity through self help groups (SHGs). As of 31 March 2007, the number of SHG linked to banks reached a level of 2.92 million as against an estimated all India population of 1.122 billion. The leading states in this movement include Andhra Pradesh, Karnataka and Himachal Pradesh, while the concentration of SHGs in Uttarakhand is thinner. At present, more than 25,000 SHGs are reported to be operative in Uttarakhand with outstanding loans in the order of Indian Rupees 5,761 crore.

Whether the high concentration of SHGs in Andhra Pradesh, where almost every family appears to have been attached to this movement has led to any significant improvement in Poverty reduction is debatable because of recent incidents of high debt related suicide cases reported from rural Andhra Pradesh. Since the burden of loan per SHG is the highest in Andhra Pradesh and Uttarakhand is not much far behind, it is important to actually assess the effectiveness of SHG movement in Uttarakhand so that policy recommendations can be made to avoid deaths related to debts.

Poor governance and weak implementation are the main causes of persistent poverty, backwardness and low human development in India. The case studies and the field survey in this study lead to similar conclusions. Therefore, there is a need to improve the system and it should be designed to take care of itself. This project was carried out from April 2007 to March 2009 with the funding from FASID.

MEMBERSHIP IN PROFESSIONAL BODIES

1. Life Member, Indian Econometric Society.
2. Life Member, Economic Society of Singapore.
3. Member, Australian National University Convocation.
4. Member, Economic Society of Australia and New Zealand.

EDITORIAL BOARD MEMBER

1. *International Journal of Applied Economics*, Sage Publications, New Delhi.
2. *Agricultural Economics*, Journal of the International Association of Agricultural Economists (IAAE), Blackwell-Wiley Publishers.
3. *The Developing Economies*, Institute of Developing Economies, JETRO and Blackwell-Wiley publishers.
4. *Australian Journal of Agricultural and Resource Economics*, The Australian Society of Agricultural Economists and Blackwell-Wiley publishers.
5. *Journal of Asian Economics*, Elsevier Publications.
6. *Asia and the Pacific Policy Studies*, Blackwell-Wiley publishers.
7. *Journal of Economic and Administrative Sciences*, Emerald Publishing.
8. *Journal of Social and Economic Development*, Springer Publications.

RESEARCH PUBLICATIONS

A record of outstanding scholarly research and publication with evidence of a substantial international reputation in economics.

I have a strong record of scholarly research and publication throughout my career. Until December 2014, I have published 148 research papers in refereed internationally reputed journals such as the *American Journal of Agricultural Economics*, which is the number one journal in the field of Agricultural economics; *Journal of Industrial Economics*, which is the leading journal in the field of Industrial economics; *Journal of Economic Surveys*, which is one of the leading journals publishing surveys of important methodological developments; *Economic Modeling*, *Journal of Economic Studies*, *Oxford Bulletin of Economics and Statistics*, *Oxford Development Studies*, *Economics Letters*, *Journal of Productivity Analysis*, which are reputed journals of development economics. Between 1980 and 2014, on average, I have published 4 research papers per year.

My research work in the area of stochastic frontier production function has received international recognition. As evidences, I can cite the first review on frontier production functions by Peter Schmidt (one of the pioneers in this field) published in *Econometric Reviews* in 1986. I am happy to say that my work (Kalirajan, 1982) was the *only one* cited from outside Europe and North America.

The central focus of my research in frontier production function has always been methodological innovations for development policy analysis, which has been acknowledged by other prominent researchers in this field. As an example, I can cite an important review by Bauer (1990) that appeared in the *Journal of Econometrics*. I just reproduce what the author has written about our work (the relevant page number is given in brackets after each statement).

"My aim is not to be exhaustive, but to present a selective evaluation of some of the more significant advances in the field (p.40).....Next, using ideas

developed by Jondrow, Lovell, Materov and Schmidt (1982) and Kalirajan and Flinn (1983), observation-specific estimates of inefficiency can be obtained (p.53).....Next, few researchers have focused much attention on the relationship between technical and allocative efficiencies. An exception is Schmidt and Lovell (1980) who allow technical and allocative inefficiency to be correlated. Another exception is Kalirajan and Shand (1988). They test for the direction of causality between technical and allocative efficiency using a test developed by Sims (1972) (p.53)."

One of our methodological innovations of frontier production function approach - varying coefficients stochastic frontier production function - of measuring firm performance, which has been first published in the *Oxford Bulletin of Economics and Statistics* (1994) and the *Journal of Applied Statistics* (1994), is now being followed by several researchers. I have been assisting several students doing PhD in different universities including the Indian Institute of Science, Bangalore, and the Australian National University in using our methodology.

Another of my innovative methodological research is in the area of macroeconometric modelling. We have used the stochastic frontier production approach to macroeconometric modeling, which is the first of its kind. The manuscript was published in 2003 by Ashgate publishing company. The book has been annotated in the *Journal of Economic Literature* in June 2004. The two innovations introduced in the modelling are:

1. The use of state level data, which is important in view of the importance of regional differences in the performance of agriculture and industry. This approach has never previously been used for India or elsewhere.
2. To take account of the existing differences between potential and actual performances in agriculture and industry, a disequilibrium approach using the stochastic varying coefficients frontier production approach has been adopted in the modelling of the production side. This approach has increased the scope for deriving meaningful policy prescriptions from analysis.

Currently, with respect to developing new methodologies, I have been working on applying the stochastic frontier approach to estimating bias-free gravity equations to provide meaningful interpretations to gravity equations towards explaining the flow of trade between countries or regional groups. I have published this research methodology with empirical analysis in the *Journal of Applied Statistics*, *Journal of International Trade*, *Journal of Economic Integration*, and *Applied Economics Letters*, which are all reputed international refereed journals.

(Refereed Journals only)

Research publications are arranged based on geographical area of my interest, my research specialization, and my research interests as follows:

SOUTH ASIA

Agricultural Productivity, Sources of Growth, and Technical Efficiency

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11. K.P. Kalirajan and R.T. Shand, "Multioutput Self Dual Profit Function and Factor Demand Equations: Primal with Constraints on Inputs", Journal of Quantitative Economics, 1988, (pp.261-278).
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16. K.P. Kalirajan and R.T. Shand, "Sources of Output Growth in Indian Agriculture", Indian Journal of Agricultural Economics, 1997 (pp.693-706).
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20. R. Mahadevan and K.P. Kalirajan, "Productivity Growth in Indian Agriculture: The Role of Globalisation and Economic Reform", Asia-Pacific Development Journal, 10(2): 57-72, 2003.
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12. Rao, M G., R.T. Shand, and K.P. Kalirajan, "Convergence of Incomes across Indian States: A Divergent View", Economic and Political Weekly, 1999, XXXIV(13):769-778.
13. K.P. Kalirajan and K. Otsuka, "Does Economic Reform Help Rural Poor", The Indian Journal of Labour Economics, 2001.
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16. K.P. Kalirajan, "An Analysis of India's Reform Dynamics", Oxford Development Studies, 32(1): 119-134, 2004.
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APPLIED ECONOMETRICS:

METHODOLOGICAL INNOVATIONS WITH EMPIRICAL APPLICATIONS USING DATA FROM SOUTH, NORTHEAST, AND SOUTHEAST ASIA

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2. K.P. Kalirajan and J.C. Flinn, "The Measurement of Farm-Specific Technical Efficiency", *Pakistan Journal of Applied Economics*, 1983, (pp.167-180).
3. K.P. Kalirajan, "On Measuring Absolute Technical and Allocative Efficiencies, *Sankhya* (Series B) (Quantitative Economics), 1985, (pp.385-400).
4. K.P. Kalirajan, "A Test for Heteroscedasticity and Non-normality of Regression Residuals", *Economics Letters*, 1989, (pp.133-136).
5. K.P. Kalirajan, "On the Estimation of a Regression Model with Fixed and Random Coefficients", *Journal of Applied Statistics*, 1990, (pp.237-244).
6. K.P.Kalirajan, "Government Intervention in Malaysian Manufacturing Industries: A Suggested Methodology of Measurement", *Applied Economics*, 1991, (pp. 1093-110).
7. K.P.Kalirajan and R.T.Shand,"Causality Between Technical and Allocative efficiencies:An Empirical Testing", *Journal of Economic Studies*, 1992 (pp.3-17).
8. K.P. Kalirajan and R.T. Shand, "Modelling and Measuring Economic Efficiency under Risk", *Indian Journal of Agricultural Economics*, 1994, (pp.211-224).
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AUSTRALIA, NORTHEAST AND SOUTHEAST ASIA

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1. 'Temporal Consumption pattern of Tamil Nadu', XI Indian Econometric Conference, Hyderabad, November 1971.
2. 'Location Specific Research in the Development of the New Agricultural Technology for Rice in India' XXIII Annual Meeting of the Australian Agricultural Economics Society, Canberra, February 1979.
3. 'Rice Production in the Tarai of Kosi Zone, Nepal,' Workshop on Village Economy and Institutions, Los Banos, August 1980.
4. 'The contribution of Location Specific Research to Agricultural Productivity,' 40th Annual Meeting of the Indian Agricultural Economics Society, Pune, December 1981.
5. 'Industrial Regulations and Licensing in Singapore' (J. Wong and K.P. Kalirajan), Industrial Regulation Seminar, Bangkok, October 1982.
6. 'On Measuring Absolute Technical and Allocative Efficiencies,' 30th European Meeting of the Econometric Society, Pisa, August-September 1983.
7. 'An Econometric Analysis of Production Risk using Firm Level Panel Data,' The Fifth Southeast Asian Statistics Seminar, Singapore, April 1984.

8. 'Estimation of Location - Specific and Firm - Specific Technical Efficiency: An Analysis of the Kemubu project in Malaysia,' 1984 Australian Meeting of the Econometric Society, Sydney, August 1984.
9. 'Measuring Absolute Technical Efficiencies from Multi-Product Production Frontiers,' V World Congress of the Econometric Society, Boston, U.S.A., 19 August-24 August 1985.
10. 'Measuring Production Risk using a Modified RCRM Model,' XIX International Conference of Agricultural Economists, Malaga, Spain, August 26-September 4, 1985.
11. 'Social Security Systems in Singapore,' ASEAN Economic Conference, Singapore, November 1985.
12. 'Generalized Measure of Technical Efficiency,' 1986 Australasian Meeting of the Econometric Society, University of Melbourne, Melbourne, 28-30 August 1986.
13. 'ASEAN Economic Co-operation in Minerals: Past, Present and Future,' (K.P. Kalirajan and John Wong), 'The First ASEAN Economic Congress, Kuala Lumpur, March 13-23, 1987.
14. 'Entrepreneurship in Agriculture: A Myth or Reality'; 'Testing Causality Between Technical and Allocative Efficiencies (with R.T.Shand),' 1988 Australian Economic Congress, Australian National University, Canberra, 28 August - 2 September, 1988.
15. 'Measurement of Government Intervention in Market Structure: The Case of Malaysian Manufacturing Industries', 1989 Australasian Meeting of the Econometric Society, University of New England, Armidale, 13-15 July, 1989.
16. 'A Multi-output Self Dual Profit System: Primal with Constraints on inputs', Conference on Modelling Production with Multiple Outputs, La Trobe University, Melbourne, 7-8 September, 1989.
17. 'In Pursuit of Identifying X-Efficiency', Conference on Productivity Analysis, Bureau of Transport and Communications and Australian National University, Country Comfort Inn, Canberra, 26-27 October, 1989.
18. 'Influence of Government Policies on Mergers: A Suggested Methodology of Measurement', 19th Conference of Economists (Australia), University of New South Wales, Sydney, 24-27 September, 1990.
19. 'Measuring Government Intervention in Singapore's Managerial Earnings', Productivity and Global Competition, organized by the

Operations Research Society of America and the Institute of Management Sciences, USA, Philadelphia, 29-31 October, 1990.

20. 'Productive Efficiency of the Chinese Iron and Steel Industries,' International Conference on China's Reform and Economic Growth, Australian National University, Canberra, 11-14, November 1991.
21. 'Competition Policy: Is It Working in the Case of Australian Manufacturing Industries?' Industrial Economics Conference, Bureau of Industry Economics and the Australian National University, Canberra, 14-17, July 1992.
22. 'Modelling Efficiency When There is Production Risk', International Symposium on Economic Modelling, University of Goteborg, Sweden, 18-20, August 1992.
23. Chaired a session on Production Efficiency in the 1993 Annual Conference of Chinese Economists held at the Australian National University, 7-9, December 1993. Also, presented a paper (jointly with Wong Xialou) entitled "Modelling Economic Growth in China".
24. 'Intersectoral Linkages in India: An Empirical Testing', 30th Annual Conference of the Indian Econometric Society, University of Mysore, Mysore, India, 1-3, May 1994.
25. 'Growth Variations and the Patterns of Causalities among Major Macroeconomic Indicators: The Experience of Selected Asian Countries', The Fourth Convention of the East Asian Economic Association, Grand Hotel, Taipei, Taiwan, 26 -27 August 1994.
26. 'Analysis of Productive Efficiency of Public Sector in India and China', International Conference on Economic Reforms in South Asia, Australian National University, Canberra, 30 November - 2 December 1994.
27. 'A Comparative Analysis of Rural Industrialisation in India and China', International Conference on Economic Reforms in South Asia, 30 November - 2 December 1994.
28. 'The Agriculture and Industry Nexus in the Development Process of India', International Conference on Economic Reforms in South Asia, 30 November - 2 December 1994.
28. 'Indian Ocean Grouping: A Myth or Reality', Congress of International Economy, Aix en Provence, 13-16 June 1995.
28. 'Technical Efficiency of Grain Production in China' and "Economic Efficiency in Grain Production in China", Workshop on Grains in China, East-West Center, Honolulu, 16-19 September, 1995.

28. 'Indian Ocean Grouping: Prospects and Problems' International Conference on Indian Ocean Rim Countries, Centre for Policy Research, New Delhi, 11-13 December, 1995.
32. 'Privatisation of the Public Sector Enterprises in India: An Assessment of Alternative Options', International Conference on India's New Economic Policy, India International Centre, New Delhi, India from 11 to 14 March, 1996.
33. 'Does China Have a Grain Problem?: An Empirical Analysis', International Conference on China's Grain Production and Market Integration, Ministry of Agriculture, Beijing, China from 4 to 5 October, 1996.
34. 'Evolving economic links within IOR-ARC', International Conference on Indian Ocean Grouping, University of Natal, Durban, South Africa, 10-12 March 1997.
35. 'The spillover effect of APEC on Australia-India trade', International Workshop on Australia-India Economic Relations, Indian Ocean Centre, Perth, 21-23 July 1997.
36. 'Is there any message from state enterprises in China to public enterprises in other reforming economies?', VIII Pacific Science Congress, University of the South Pacific, Suva, Fiji, 13-19 July 1997.
37. 'Technology and farm performance: Paths of productive efficiencies over time', XXIII International Conference of Agricultural Economists, Hyatt Hotel, Sacramento, USA, 11-16 August, 1997.
38. 'Trade Between Australia, India and South Africa: A Growth Triangle?', International Conference on India and Australia: Economic Linkages, The Indian Ocean and APEC, 24-27 November, 1997, Centre for Policy Research, New Delhi.
39. 'Australia-India Trade Flows: An Empirical Analysis', International Conference on India and Australia: Economic Linkages, The Indian Ocean and APEC, 24-27 November, 1997, Centre for Policy Research, New Delhi.
40. 'Enterprise Reform, Technological Progress and Technical Efficiency in China's State Industry', International Conference on Understanding the Decline of China's State Sector: Reform Experience and Future Direction, 17-18 February 1998, The Australian National University.
41. 'Economic Reform for the Poor: Convergence of Income across Indian States', International Conference on Economic Reform for the Poor, 6-7 December 1998, Rajiv Gandhi Institute for Contemporary Studies, New Delhi.
42. 'An Empirical Analysis of Monetary Transmission in India', paper presented at the International Conference on Second Generation Reforms in India at the Madras School of Economics, Chennai, India, 9-11 December 1999.
43. 'On Explaining Rural Sector Productivity Growth in China', The First Bi-annual Conference of Hong Kong Economic Association, Hong Kong, December 2000.
44. 'Frontier Production Function: Recent Developments', presented at the Special Workshop organised by the WHO in New Orleans, USA, 7-8

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45. 'Does Economic Reform Help the Rural Poor?', presented at the Annual Conference of the Indian Society of Labour Economics held at the Institute for Social and Economic Change, Bangalore, 18-20 December 2001.
46. 'Are There Significant Spillover Effects of Growth Across Indian States?', presented at the Annual Conference organized by the Foundation for Advanced Studies on International Development, Hakone, 14-15, December, 2002.
47. 'Is the Manufacturing Sector in India an Engine of Growth?', presented at the Asian Economic Panel Meeting at the Keio University, Tokyo, 11-12 May 2003.
48. 'The Performance of the Indian Manufacturing in the Post-Reform Period'. Special Public Seminar organized by the Institute for Social and Economic Change, Bangalore, 11 September 2003.
49. Comments on "Growth Cycle Synchronization in East Asia: Solving a Puzzle", Asian Economic Panel Meeting at the Korea Institute for International Economic Policy, Seoul, 9-10 October 2003.
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51. Comments on "Intra-industry trade in East Asian Economic Growth", Asian Economic Panel Meeting at the Earth Institute, Columbia University, New York, 7-8 October 2004.
52. "Globalization Strategies and Poverty Reduction in India". Paper presented at the International Conference on 'Globalization: Economic Inequality and Large-Scale Confrontations' at the International Research Center for Japanese Studies, Kyoto, 14-15 March 2005.
53. "WTO's Agreement on Agriculture and India's Agricultural Trade", Invited paper presented at the 26th International Conference of the International Association of Agricultural Economists in Gold Coast, Australia from 12-18 August, 2006.
54. "A Comparative Analysis of Recent Export Performances of China and India", Invited paper presented at the Asian Economic Panel Meeting held in the Brookings Institution in Washington, D.C. from 9 to 10 April 2007.
55. "Entrepreneurship: Theory and Measurement", Invited Lecture delivered at the Max Planck-Indian Institute of Science International Conference on Entrepreneurship held at the Indian Institute of Science, Bangalore, 22-24 October 2007,
56. "SME and their contribution to Karnataka State Development", S. Bisalaiah Endowment Lecture delivered at the Mysore University on 25 March 2008.
57. "Entrepreneurship: An Empirical Measurement", Invited Lecture delivered at the LKY School of Public Policy, National University of Singapore on 15 April 2009.
58. "Measuring the environmental impacts of changing trade patterns on the poor", Invited paper presented at the ADBI conference on Global financial crisis and Environmental impacts of changing trade patterns on the poor, Mulia Hotel, Hanoi, 12-15 September, 2009.
59. "Changing trade patterns and alternative growth strategies for India", Invited paper presented at the International conference on 'Alternative

Growth Strategies for Asian countries' organised by the Department of Economics and Administration, University of Malaya, 13-15, November 2009.

60. "Services sector growth in India: Outcomes and Opportunities", Invited presentation at the International conference on Service sector growth and implications for South Korea organised by Korean Development Institute, 3-5 February, 2010.
61. "Impact of trade liberalization on technical efficiency of Vietnamese manufacturing firms", Invited paper presented at the conference on "Frontier Issues in Technology, Development and Environment" organised by the Madras School of Economics and the Forum for Global Knowledge Sharing at the Madras School of Economics, March 19 -21, 2010.
62. "Regional Cooperation in Trade and Investment in Low Carbon Goods", Invited paper presented at the International Workshop on Green Asia organised by the Asian Development Bank and the Energy Research Institute, Beijing, 13-14 June 2011.
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64. "Low Carbon Green Growth in Asia: Policies and Practices", Invited paper presented at the International Workshop on Green Asia organised by the Asian Development Bank Institute, Tokyo, 16-19 July 2013.
65. "India's export of environmental friendly goods: prospects and constraints". Presidential address delivered to the 27th National Conference on Agricultural Marketing of the Indian Agricultural Marketing Society held at the University of Agricultural Sciences in Dharwad, India from 18-20 December 2013.