

CURRICULUM VITAE

K J Joseph Ph D

Director, Gulati Institute of Finance and Taxation (GIFT)

President Globelics www.globelics.org

Editor-in-Chief, Innovation and Development (Routledge- Taylor & Francis)

<http://www.tandf.co.uk/journals/RIAD>

President, Globelics www.globelics.org

A. Personal Details

Name: **K. J. JOSEPH**
Date of birth: 16th June 1961
Marital Status: Married; Spouse Name: Brigit Joseph, Children: Akhil Joseph & Elizabeth Joseph
Current Position: Director *Gulati Institute of Finance and Taxation (GIFT)*
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695004 Tel: 0471 2558654. Mobile 91 9895818471

Educational Qualifications

- 1996 Post-doctoral non-degree (Ford foundation Fellow), Economic Growth Center, Yale University, guided by and published with Robert Evenson.
- 1991 PhD in Economics, Centre for Development Studies, Thiruvananthapuram, Kerala, Affiliated to Jawaharlal Nehru University, New Delhi, India.
Thesis: *“Indian Electronics Industry: A study of Growth and structural Change in the Eighties”*
Supervisors: Late Prof. K K Subrahmanian and Prof. P Mohanan Pillai
- 1985 MPhil in Applied Economics, Centre for Development Studies, Centre for Development Studies, Thiruvananthapuram, Kerala, Affiliated to Jawaharlal Nehru University, New Delhi, India, *First Class*.
Thesis: *Marketing and Price formation in Cardamom in Kerala*
Supervisors: Prof. P K Michael Tharakan and Prof. D Narayana
- 1983 MA in Economics, 63.8% Marks; Calicut University (Dr John Matthai Centre), Kerala, **First Class, University topper.**
- 1981 BA in Economics, 63.3% Marks; SB College, Changanacherry (affiliated to Kerala University), India, **First Class.**

Areas of Expertise

Economics of Technology and management of Innovation;
Innovation and Development with focus on Information technology;
FDI, Trade & Balance of Payment;
Industry Studies, especially electronics & ICT;
Globalization and WTO;
International cooperation focus on South-South and Triangular cooperation;
Comparative studies in development – China and India among others
Regional Development with focus on Kerala economy; Plantation Agriculture

Positions Held: Regular and Honorary

Regular

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|----------------------|--|
| 2005 to July 2019 | Professor (Ministry of Commerce Chair 2009 onwards), Centre for Development Studies, Trivandrum, Kerala. |
| Dec 2016 to Feb 2017 | Acting Director, Centre for Development Studies, Trivandrum |
| 2003-05 | Visiting Senior Fellow (on leave from CDS), RIS New Delhi. |
| 2003-04 | Consultant to UNESCAP (on leave from CDS), UNESCAP. |
| 2001-03 | Professor from CDS on deputation, Jawaharlal Nehru University, New Delhi. |
| Jan 2001- Sep 2001 | Associate Professor (CDS) on deputation, Jawaharlal Nehru University, New Delhi. |
| 1996-2000 | Associate Professor, Centre for Development Studies, Trivandrum, Kerala. |
| 1995-96 | Ford Foundation Post-Doctoral Fellow, Yale University, USA. |
| 1991-95 | Lecturer, Centre for Development Studies, Trivandrum, Kerala. |
| April 1990- Oct 1990 | Ad-hoc Joint Chief, Institute of Applied Manpower Research, New Delhi |

- ❖ Currently President Globelics - The Global network of innovation scholars with chapters in Asia (Asialics), Africa (Africalics), Europe (Eurolics) Latin America (Lalics), China (Cicalics) India (Indialics) and Mediterranean (Medalics). Selected unanimously in 2017 by the Globally elected gender balanced 18 member Globalics Scientific Board (GSB) representing four continents for a term of three years.
- ❖ During 2014-17 Global Expert in innovation studies, Tianjin University of Finance and Economics (China), selected under the Tianjin Recruitment Program of search for Global Experts.
- ❖ Consultant UNCTAD and contributed for the Information Economy Report 2012
- ❖ Consultant, WTO Centre, IIFT New Delhi and prepared a study on the impact of ITA (Information Technology Agreement) of WTO for the Department of Electronics
- ❖ Consultant, UNESCAP, to undertake a study on Development of Enabling Policies for Promoting Trade and Investment in the ICT sector in GMS region (Cambodia, Laos, Myanmar, Vietnam and Thailand. Also conducted two days policy workshop in each country) **Annexure 1 for details**

Administrative Experience

- President Globelics from October 2017 onwards and Vice president during 2014-17
- Ministry of Commerce since 2009 Chair; Coordinates the NRPPD as Ministry of Commerce Chair; interacts with higher level officials in the MoC and commodity boards in the process of undertaking policy oriented research
- Acting Director Dec 2017 – Feb 2018
- Coordinator of PhD Program at CDS (6 years)
- Member of Academic Council, JNU, December 2016 to February 2017
- Member CDS Committee of Direction 2009-2012
- Member CDS Governing Body 2009-2015
- JNU-CDS MA/MPhil/PhD, Committee of Direction 2005 -2017
- Member Board of Studies S B College Changanacherry, 2015 onwards
- Member Board of Studies Tripura University, 2015 Onwards
- Member Academic Council Kerala Agricultural University 2015 Onwards
- Special Invitee Board of Studies, Mar Ivanios college
- Coordinator of CDS Alumni affairs since 2007
- Coordinator of Academic Events at CDS 2005-11
- Convener Academic Committee, Centre for Devopment Studies, 1991-95
- Member Library Committee, Centre for Development Studies, From 1991-95
- Coordinator, Seminars CSSP JNU during 2001-02

Honorary/Professional Activities and Affiliations: Past and Present

1. President GLOBELICS www.globelics.org
2. Consultant to UNESCAP and UNCTAD, and WTO Centre New Delhi
3. Member, Review committee of Human Science Research Council (HSRC) of South Africa
4. Member, Indian Committee on Indo-Japan Collaboration in Social Science and Humanities
5. Member, Steering Committee of India-EU Cooperation in S&T, DST, Govt of India
6. Member, Committee on textile research, Textile Committee Ministry of Commerce, Government of India.
7. Scientific Committee member of different Globelics International Conferences
8. Chair and Committee member of Ph D best paper award committee of different Globelics International conferences
9. Member Organizing Committee of Asialics conferences.
10. Member Export Committee on National Rubber Policy Ministry of Commerce.
11. Member, Expert Committee to amend Tea Act 1953, Ministry of Commerce
12. Member, Sub-Group on Technology Intensity in India's Manufacturing Exports, 12th five year Plan. Ministry of Commerce, Government of India, 2011.
13. Member, Faculty (Professors) Selection Committee Delhi School of Economics
14. Member Faculty Review Committee, IIIM Indore

15. Member, Board of Studies of
 - Kerala Agricultural University,
 - Tripura University,
 - SB College Changanacherry and
 - Mar Ivanios Colege Trivandrum
16. Visiting Professor Punjabi University Patiala and Punjab University Chandigarh
17. Ph D Thesis Examiner of different universities in India and abroad
18. Member Faculty Selection Committee of MG University
19. Member Faculty Selection Committee of NATPAC
20. Co-chairperson, 13th Five Year Plan Working Group on Micro, Small and Traditional industries, State Planning Board, Kerala.
21. Member, Regional Advisory Group NABARD
22. Member, Governing Body of Kerala Social security Mission, Government of Kerala
23. Member, Governing Body (six years) and Committee of Direction (three years), Centre for Development Studies
24. Member, Committee on Resource Mobilization, State Planning Board, Kerala
25. Member, Expert Committee on Alcoholic Beverages Industry of Kerala (task to revamp Chittoor Sugar Mills & Travancore Chemicals)
26. Member, 9th Five Year Task force on Electronics and Software Development in Kerala - Government of Kerala
27. Member 9th Five-Year Task force on Modern Small Scale Industries in Kerala - Government of Kerala.
28. Member, Taskforce on District Plan for Trivandrum, set up by the State Planning Board, Kerala
29. Vice President Kerala Development Society, New Delhi
30. Advisor, Kerala Social Service Forum, Malanadu Development Society

Editorial Positions

- **Founding Editor-in-Chief: *Innovation and Development (Routledge)***– a journal from CDS harnessing Globelics Network and involving scholars from 30 countries; Five Editors representing each continent; Editorial Advisory Board consists of
 - Nobel Laureate Professor Amartya Sen, scholars of eminence like Prof R R Nelson, Prof B A Lundvall, Prof Deepak Nayyar, Prof Kaushik Basu, Prof Pranab Bardhan
 - Policy makers of repute like Shri Jairam Ramesh, Dr T M Thomas Isaac, and Dr Mihir Shah;
 - Scientific Committee comprising of leading scholars and young promising scholars from over 30 countries.
 - 9th volume is online & scheduled to be a quarterly from the 10th issue onwards
 - ***Indexed in scopus within 5 years***: For details please visit <http://www.tandf.co.uk/journals/RIAD>
- **Editorial Board Member**, International Journal of Technological Learning, Innovation and development, Interscience Publishers, <http://www.inderscience.com/jhome.php?jcode=ijtlid>
- Editorial Board member, Institutions and Economies <http://ijie.um.edu.my>

- Editorial Board Member, African Journal of Science, Technology, Innovation and Development (AJSTID) www.ajstid.com
- Editorial Board Member, Millennial Asia, Sage Publications; <http://mla.sagepub.com>

Reviewer of following journals

- World Development
- Research Policy
- Information Technology for Development
- South Asia Economic Journal
- Science and Public policy
- Seoul Journal of Economics
- Technology Forecasting and Social Change
- Indian Economic Journal
- International Journal of Technological Learning, Innovation and development
- India Review
- Millennial Asia
- African Journal of Science, Technology, Innovation and Development
- International journal of Institutions and Economics

B. Teaching and Research

Teaching and Research Guidance

- **Courses Taught for MA & M Phil at CDS and MPhil in CSSP, JNU**
 - India's Economic Policy and Performance (MPhil, CDS)
 - Issues in India's Industrial Development (MA & M Phil CDS)
 - Regional Development (M Phil, CDS)
 - Economics of Technological Change (MPhil, CDS)
 - Research Methodology (M Phil, CSSP, JNU)
 - Economics of Technological Change & Management of Innovation (M Phil, JNU)
 - Trade & Balance of Payments (M Phil, CDS)
 - Technology and Human Resource Development (P&SD Program, CDS)
- **Research Guidance (PhD, JNU-CDS)**

PhD: Awarded 8: Ongoing 6: De registered: 2

M Phil: awarded 33 Submitted: 2

PhD Guidance (CDS JNU)

| Name of the Student | Title of the Thesis | Status |
|----------------------------|--|--|
| 1. Veeramani C. | Intra Industry Trade in India under globalization | Awarded and got the best thesis award of Exim Bank |
| 2. Braja Bandu Swain | Contract farming in Indian Agriculture | Awarded |
| 3. Bibhunandini Das | ICT Diffusion in India's agricultural sector | Awarded |
| 4. Uma Sankaran | Global Integration, Technology and Employment: A Study of India's Small Scale Manufacturing Industries | Awarded |
| 5. Sravanthi C | Innovation and Diffusion of Green Technologies Case of Solar Photovoltaic and Biogas | Awarded |
| 6. Namrata Thapa | Institutions, Innovations and Performance: A Study of Plantation Sector in India | Awarded |
| 7. Kiran Kumar Kakarlapudi | The Role of Innovations in Inclusive Development: A Case of Banking Industry in India | Awarded |
| 8. Jannet F | Higher Education and Inclusive Development: The Indian Experience | Awarded |

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| 9. Sajita A. | Innovation and Livelihood Strategies: A study of small growers in natural rubber | Deregistered |
| 10. Sona K | Exclusion and livelihoods: Case of Tribal Agricultural Labour households | Deregistered |
| 11. Chandrasekhar K | Innovation in informal sector | Confirmed |
| 12. George Paily | Industrial Development through Innovative Capacity: A Study of India's Capital Goods Sector | Confirmed |
| 13. Sourish Dutta | Mechanics of Global Value Chain | Confirmed |
| 14. Akhila Papan | Higher Education in Kerala: An Analysis of Student's Choices and Forms of Exclusion. | Confirmed |
| 15 Parijatha Pradhan | Environmental Regulation and Innovation in India's Manufacturing sector | Ongoing |
| 16 Ladenla Lama | Low carbon industries in India: A study of wind energy and solar energy industries | Ongoing |

MPhil Guidance (CDS & JNU) Awarded

| Name of the Student | Title of the Thesis |
|----------------------------|--|
| 1. T. G. Arun | Growth and Structural Change in the Manufacturing Industries of Kerala 1976- 87: A Comparative Study vis-a-vis South Indian States |
| 2. Deepa G.L. | Industrial Crisis and Women Workers: A Study of Cashew Processing Industry in Kerala. |
| 3. Babu P Ramesh | Technological Change in Milk Production: An analysis of Cross Breeding in India |
| 4. P.S. Venkatesh | Software Development and Export from Technology Parks: A Comparative Analysis of Kerala and Karnataka. |
| 5. S. Vinodkumar | GATS and Service Trade: An Analysis of the Structure and Direction of India's Service Trade. |
| 6. C Veeramani | Intra-industry Trade in India under Economic Liberalization: An Analysis with Special Reference to Indian Capital Goods. |
| 7. Reetha S. Prabha | Performance of Dairy Sector in Kerala: A Comparative Study of State and Voluntary Initiatives |
| 8. Jojo Jacob | Technology Behavior and Export Performance: A firm level analysis of Indian Electrical Machinery Industry |
| 9. Emmanuel Thomas | Technology Import Behavior of Indian firms under Economic Liberalization |
| 10. Priya Pavithran | Energy Efficiency in Indian Manufacturing Sector: A case study of Basic Metals and Alloys. |
| 11. K. Subodh | Market Structure and Innovative Activity in Indian Industry under Economic Liberalization |

12. M Parameswaran Impact of Trade Liberalization on Technical Efficiency: An Analysis of Indian Capital Goods Industries
13. P Rajesh Multinationals, Relative Efficiency and Spillovers: Case of Indian Manufacturing Industry under Liberalization.
- 14 Mahesh Sarma India's National System of Innovation: An Empirical Analysis
15. Nimesh Chandra Industry Academia Interaction: An Analysis of IIT, Delhi.
16. Suresh Naik V Regional Determinants of FDI: A Study of Indian States under Liberalization
17. Neethi P Labour Market restructuring under Globalization: A Study of India's Manufacturing Sector
18. Rajesh K P ICT in Kerala's Development: A Case Study of Akshya Project
19. Sravanthi C. Technology Strategy of Firms in India's Manufacturing Sector Under Globalization
20. Minnu J Implications of Service sector Growth on employment: A Regional Perspective
21. Jatinder Singh FDI and Market Structure: The experience of India's Manufacturing Sector
22. Uma S Trade Liberalization and Employment in India's organized manufacturing sector
23. Dilip Saikia Regional Disparities in India: A study of unorganized manufacturing
24. Kiran Kumar K Skill-biased Technology and wage in equality: Evidence from India's Manufacturing sector under Globalisation
25. Namrata Thappa Growth Structure and labour market outcomes: A study of India's Tea plantation sector
26. Anoopkumar M. Commodity Price Instability under Globalization: A Study of India's Plantation Crops
27. Sajita A. Performance of Commercial crops in Kerala: A study of black pepper with focus on non price factors
28. Pachendra Naik Terms of trade in India's manufactured exports under globalization
29. Vijayasuryan M. Export performance of India's plantation Commodities: A comparative analysis
30. Balaji P. Performance of India's Electronics industry under globalization
31. Libitha B. Performance of Textile and Clothing Industry in India
32. Vidhyarani K Performance of organized enterprises in Kerala
33. Parijatha Pradhan Clean development mechanism under Kyoto protocol: evidence from India
34. Krishnapriya V S Innovation on Employment: A Study on the Indian Manufacturing Sector (under progress)
35. Vidyanand T. Inter regional variation in Industrial Development – A Regional Innovation system Perspective (under progress)

Research Guidance: International Program on Population and Development (Sponsored by UNFPA. This program in CDS ceased from 1995)

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|----------------------|--|
| Poudyal D.P. (Nepal) | Economic Development and Occupational Pattern in Nepal |
| Goice F. (Romania) | An Employment Prospect under Structural Adjustment in Romania. |
| Ma'alla S.I (Sudan) | An Evaluation of Special Works Program in Sudan. |

Research Programs and Projects

Research Programs

Strategies and Preparedness for Trade and Globalization in India

As a partner of the UNCTAD- DFID- GOI Project on Strategies and Preparedness for Trade and Globalization in India (SPTGI) the Centre for Development Studies has been in the process of undertaking various programs with a view to addressing idea gaps and confronting capacity deficits under WTO regime being faced especially by the southern states in India. With an annual Budget of Rs 25 lakhs program has following activities in every year,

- *Promoting capacity building and research by providing post doctoral and doctoral fellowships*
- *Training Program/Refresher course for College/University Teachers & Researchers (Associate coordinator Dr Hrushikesh Mallick)*
- *International Seminar (Associate Coordinator Dr P L Beena)*
- *Stakeholder consultations and Research*
- *Open Seminar/Public lecture*
- *Training Program on Trade Database like WITS and GTAP*

<http://www.cds.edu/research/sponsored-research-projects/cds-unctad-research-programme>

This programme was brought to CDS at my instance through my association with UNCTAD while I was in RIS New Delhi.

National Research Program on Plantation Development (NRPPD) –Ongoing

The plantation sector of India, operating mostly in the ecologically sensitive regions, is known for its high labour (especially women and those belonging to less privileged communities) intensity and contribution towards export earning. Hence the development of plantation sector is said to have an important role in fostering an inclusive and sustainable development. However, there are a number of challenges, both exogenous and endogenous, being confronted by this sector. While the Ministry of Commerce has undertaken various measures to help addressing these challenges, a dearth of research input for informed policy making was generally felt by the policy makers. Hence a onetime grant of Rs 5 crores was announced in the Union budget 2008-09 for CDS at the instance of Shri Jairam Ramesh, MoS commerce, (one of my mentors) for establishing National Research Program on Plantation Development. Accordingly a MoU was signed between Director of CDS and Chairman of Spices Board (on behalf of MoC) in the presence of, Chief Secretary, Government of Kerala and Secretary, Department of Commerce at my instance. The Program works under the overall guidance of a Steering Committee Chaired by the Chairman CDS and a Research Advisory Council, Chaired by the Director, CDS wherein I act as the convener.

Activities undertaken include:

Preparation of Reports as desired by the Ministry

Training programs for research Scholars. College/university teachers and Commodity Board Officials

Undertaking policy oriented research Published as Discussion papers

Honoring Innovative Farmers

For details please visit <http://www.cds.edu/research/research-units-and-endowment-funds/research-programme-on-plantation-development>

Major Research Projects (selective from CDS)

Industry Academia Interactions in India – with Vinoj Abraham (sponsored by IDRC)

As part of a Global project, covering different countries in Asia, Latin America and Africa, this study explored the issue at hand by taking select industries of five states in India. The data needed for the study was gathered through the primary survey of industrial units and universities/research laboratories. The research issues that this project addressed included; what is the current policy environment and the institutional arrangement for facilitating interactions between the Academia and the industry? How effective are they in terms of their declared objectives? What are the different forms and content of the existing university industry interface? How does it vary across different industries with varying scientific base and across different firms of varying size and operating in varying organizational and market structures? How to account for the observed variation in the interaction between industry and the academia? What are the effects of observed interaction on innovation and other performance indicators like productivity, profitability, export, sales and other relevant indicators?

Impact of Networks, Globalization, and their Interaction with EU Strategies' (ENGINEUS) With Vinoj Abraham

The study aims at analyzing the transition of global production networks to global knowledge and innovation networks, understanding the capacity of emerging countries to participate in global innovation networks, assessing the dynamic impact of offshoring of knowledge intensive activities in firms and evaluate the long-run costs and benefits of emerging global innovation networks in a range of industries and finally to derive specific policy recommendations from this study aimed at improving the institutional frameworks in both the EU and emerging economies. This three year project where in 32 scholars from 8 countries (including India, Brazil, South Africa and China) and 15 institutions are involved is being funded by European Union (1.2 crores for three years of which Rs 80 lakhs towards faculty cost as it is considered on par with the EU counterparts)

http://ec.europa.eu/research/social-sciences/projects/406_en.html

Innovation Systems and Development: BRICS experience (IDRC) 2008-2011

This project sponsored by IDRC focused on following Issues; Role of State in Innovation Systems, Innovation Systems and inequality, Innovation systems and FDI, Innovation Systems and MSMEs. Apart from contribution to two issues I acted as the Coordinator from India. This project resulted in four volumes published by Routledge

Systems of Innovation for Inclusive Development: Lessons from Rural China and India

Both China and India have been enjoying unprecedented economic growth rates for over a decade. This has given rise to numerous opportunities and benefits to these countries. However, it is also evident that such growth has left out a large proportion of the population. At a time of extraordinary growth of these two giant economies, ironically, their major challenge is to find ways and means to contain growing rural-urban inequality and to create an environment that actively facilitates and promotes 'inclusive' development. Unlike many developing countries, China and India attract global attention not just for their impressive rates of economic growth, but also for their major engineering, medical, physical and chemical sciences achievements, space programs, information technology and biotechnology applications, and vast storehouses of indigenous and traditional knowledge. Some of these knowledge inputs are generated and utilized in economically productive and socially progressive ways, with significant evidence of innovation capacities. This study probes how innovation capacities can be enabled and sustained for inclusive development; a question that demands analysis of the interface between the structural, often sector-specific features of the economy and the major actors (organizations/individuals) and processes involved in knowledge generation, access and utilization.

Here I have been focusing on ICT innovations on rural sectors, especially in plantation agriculture. For details www.siid.org.in

Fairtrade certified Tea in the Hired Labour Sector: An impact study

Undertaken jointly with ISS, The Hague, Centre for Policy Studies, Colombo and GIDR Ahmedabad, this ongoing study explores the bearing of Fair Trade certification on plantation labour by taking the case of tea

Project undertaken while in RIS

Export competitiveness and Knowledge Intensive industries, (DSIR) along with Dr Nagesh Kumar and this has come out as a book from Oxford University Press

Employment oriented export Strategy (Ministry of Commerce) lead author

Development of Software Industry and role of FDI (UNCTAD); Lead author

Southern Development Solutions (UNDP): lead author

ASEAN- India Vision 2020, lead author under the guidance of Nagesh Kumar

Trinity of the South: India, Brazil South Africa Economic Cooperation lead author under the guidance of Nagesh Kumar

C. Publications & Outreach

Publications

Books

Books Authored

- 2006: *Information Technology Innovation System and Trade Regime in Developing Countries: India and the ASEAN*, Palgrave Macmillan, New York 2006.
- 2004: *Trade and Investment Policies for the Development of the Information Technology Sector of the Greater Mekong Sub region (Part 2)* UNESCAP, Bangkok
- 1997: *Industry under Economic Liberalization: Case of Indian Electronics*, Sage Publications, New Delhi (1997) For a detailed review, among others, by late **Dr Arun Ghosh**, former Member Planning Commission, please visit <http://www.jstor.org/stable/4407313>

See Annexure II

Edited Volumes

- 2016: *Globalisation, Development and Plantation Labour in India 2016*, edited jointly with P K Viswanathan, Routledge Publications.
- 2015: *Technology, Innovations Economic Development*, edited with Lakhwinder Singh and Daniel Johnson, Sage Publications, New Delhi.
- 2009: *Handbook of Innovation Systems and Developing Countries*, edited with B A Lundvall, Cristina Chaminade and Jan Vang, Edward Elgar 2009, UK. **Contributors include Nobel Laurite Joseph Stiglitz and scholars of eminence like RR Nelson.**
- 2007: *International Competitiveness & Knowledge based Industries in India*, edited with Nagesh Kumar, Oxford University Press, New Delhi, 2007.

Forthcoming books

- National and Local Systems of Innovation: How Brazil, China, Cuba and India encounter globalization, with Liyan Zhang, Jose, Cassiolato
- Transforming Plantation Agriculture, Routledge New Delhi

Published Research Papers

Articles Published in Journals and Edited Volumes

1. Innovation and productivity in India's manufacturing under globalization: An innovation system perspective, Communicated to **World Development**, with Kiran Kumar Kakarlapudi and T G Arun

2. Interrogating Agricultural Innovation System from the Small Framers' Perspective" India, China, communicated to *Innovation and Development*, with Liyan Zhang
3. Turnaround in China's regional inequality in innovation capability? Innovation system perspective, *Research Policy* (Revised and resubmitted), jointly with Liyan Zhang and Kiran Kumar Kakarlapudi
4. The Dragon turns around while the Elephant moves forward: Inequality in China and India under Globalization, *Millennial Asia*, December 2018, with Liyan Zhang and Kiran Kumar Kakarlapudi
5. Innovation and natural resource based development: Case of natural rubber sector in Kerala, India, *Innovation and Development*, Vol 8 No. 1, 125-146, 2018 jointly with Olav Wicken and Namrata Thapa. 2018
6. Lagging sector in a leading economy, case of plantation agriculture in Kerala, in B A Prakash and J Anwin (Eds) *Kerala's Economic Development: Emerging issues and Challenges*, Sage publications, New Delhi 2018.
7. Information Technology Agreement of WTO: Call for a Revisit, *International Journal of South Asian Economies*, Vol 6 No.2, 2017 with Liyan Zhang, Rajesh Many
8. India's Software Industry in Transition: Lessons for other Developing Countries and implications for South-South Cooperation, *Productivity*, 54, (4) 329-342. 2017
9. Industrialization, Innovation and ICT for Achieving SDGs in India: The way forward, United Nations and RIS, New Delhi, 2016.
10. Local Innovation and Production System in Indigenous Medicine in Cassiolato J E and Soares M C (eds) *Health Innovation System: Equity and Development*, published by *E-papers Servicos Editoriais*, 2015, with Dinesh Abrol and Harilal Madhavan.
11. Global Innovation Networks and Industry University Interaction: A study of India's IT sector, in Sigh Lakhwinder, K J Joseph and Daniel Johnson (eds) *Technology, Innovations Economic Development*, Sage publications New Delhi 2015, jointly with Vinoj Abraham.
12. Growth Performance of ICT in India under Trade Liberalisation and integration with ASEAN, in Xu Pand Esho, H eds (2015) *Asian Economy at the Crossroads: China India and the ASEAN*, Institute of Comparative Economic Studies, Hosei University, Tokyo
13. Towards a sustainable innovation system: Case of Kerala's Plantation sector in Ash Narain Roy and George Mathew (eds) *Development, Decentralization and Democracy*, Orient Balckswan 2015.
14. Building a Globally Competitive Environment for Medium, Small and Micro Enterprises, in N S Siddharthan (Ed) *Stagnant Manufacturing: Governance and Policy Slack*, *E-social Sciences* 2014, jointly with Uma Sankaran.
15. Harnessing Asian Capabilities for Transforming the Electronics and IT Sectors: Recent Trends, Challenges and a Way Forward in Francis Hutchinson

- (ed) *Architects of Growth: Sub national States and Industrial Transformation in Asia*, Institute of South East Asia Studies, Singapore, 2014
16. Exploring Exclusion in Innovation Systems: Case of plantation Agriculture in India, *Innovation and Development*, 4 (1) April 2014.
 17. Harnessing Southern Capabilities for Addressing Southern Problems: Prospects for India-Mekong Cooperation in Information and Communication Technology, in Prabir De (ed) *ASEAN-India: Deepening Economic partnerships in the Mekong Regions*, RIS, New Delhi 2014.
 18. Innovation and Development in India: Changing Paradigms and Trajectories, in Goyal A (ed) *Handbook on Indian Economy for the 21 Century*, Oxford University Press 2014, with Kiran Kumar Kakarlapudi.
 19. Has trade been an engine of inclusive growth? India's Experience under Globalization, *Millennial Asia*, 4(2) pp.1-24 September 2013.
 20. Innovation System and Inequality: Indian Experience, in Maria Clara and Rasigan Maharaj (eds) *Innovation and Inequality in BRICS*, Routledge, New Delhi 2013, jointly with Lakhwinder Singh and Vinoj Abraham.
 21. National System of Innovation and SMEs in India, in Ana Carolina Arroio and Marrio Scerri (eds) *Innovation in SMEs: The BRICs Experience*, Routledge New Delhi 2013, with Keshab Das.
 22. ASEAN-India Free Trade Agreements and Plantations: Beyond Casual Observations and Common sense, in Shahid Ahmed (Ed) *Regional and Multilateral Trade in Developing Countries*, Routledge, New Delhi 2011.
 23. Multinational Enterprises and Export Performance: Empirical evidence from Indian Manufacturing Industries, *Economics, Management and Financial Markets*, 6(1) 2011, with Subash Sasidharan.
 24. Impact of Trade Liberalization on Employment: The Experience of India's Manufacturing Industries, *Indian Journal of Labour Economics, Issue 4 2010*, Jointly with Uma S. and Vinoj Abraham.
 25. Sectoral innovation Systems in Developing Countries, Case of India's ICT Industry, in Lundvall B A, K J Joseph, C. Chaminade and Jan Vang (eds) *Handbook of Innovation Systems and Developing Countries*, Elgar 2009.
 26. Innovation System Research and Development Studies: Challenges and Research Opportunities in Lundvall B A, K J Joseph, C. Cristina and Jan Vang (eds) *Handbook of Innovation system and developing countries*: jointly with B A Lundvall, Jan Vang and Cristina Chaminade contract signed with Edward Elgar 2009.
 27. India ASEAN FTA and Plantation sector: Realities of the Myths; *Economic and Political Weekly*, Vol.44, No. 44 October 31 - November 06, 2009.
 28. Industry Academia Interaction in India: Patterns, Determinants and Impact, *Seoul Journal of Economics*, winter 2009, with Vinoj Abraham.
 29. Science, Technology and Innovation Policies in India: Achievements and Limits in Cassiolato and Vitorino (eds) *BRICS and Development Alternatives : Innovation Systems and policies*, Anthem Press London with Dinesh Abrol 2009.

30. IT Industry in India: Past Performance and Challenges Ahead, *International Journal of Public Affairs*, Vol. 5 (Special issue: New Economy of the United States: Possibilities and Anxieties) 2009.
31. IT Industry in India: Leading Software Sector and Lagging Hardware Sector, in Bhat MS and Illiyan A (Eds) *Information Technology in the Indian Economy*, New Century Publication, New Delhi 2009.
32. Can Trade Liberalization Bridge Digital Divide: Assessing the Information Technology Agreement of WTO, *Economic and Political weekly*, Vol 48, No. 1 January 5-11, 2008 with Govindan Parayil.
33. Electronics Industry, in Nagesh Kumar and K J Joseph (eds) *International Competitiveness & Knowledge based Industries in India*, Oxford University Press, New Delhi. 2007.
34. Technology at the Core: Science and Technology with Indira Gandhi on building India's S&T muscle, *Economic and Political Weekly*, Vol. 48, No.42 Dec. 2007
35. National Innovation System and India's IT Capability, Are there any lessons for ASEAN New Comers?, in Bengt Ake Lundvall, Intarakumnerd P. and Jan Vang (Eds), *Asia's Innovation System in Transition*, Edward Elgar, (with Nagesh Kumar) 2006.
36. Regional Implications of Globalization: An analysis with special reference to Kerala, in Joe Tharamangalom (ed) *Kerala: The Paradoxes of Public Action and Development*, Orient Longman 2006, with K N Harilal.
37. Commercial Agriculture in Kerala after WTO, *South Asia Economic Journal*, Vol 6 No1, 2005, pp 37-57, with Brigit Joseph.
38. Free Trade accord between India and Sri Lanka Implications for South Indian States in Rajen Harshe and Seethi K M (Eds) *Emerging with the World: Critical reflections on India's Foreign Policy*, Orient Longman, 2005, with K N Harilal.
39. Transforming Digital Divide into Digital Dividend, *Cooperation South*, 2005
40. Competition Issues in Information Communication Technology Sector, in Pradeep S Metha (eds) *Towards a Functional Competition Policy for India*, Academic Foundation, New Delhi 2005.
41. Moving Up or Lagging Behind? An Index of Technological Competence of India's ICT Sector, in Aswini Saith and Vijayabasker (eds) *ICTS and Indian Development*, Sage Publications, 2005, with Vinoj Abraham.
42. Innovation in India's IT software and services, in Antony D Costa and Sreedharan (eds) *India in the Global Software Industry, Innovation Firm Strategies and Development*, Palgarve, Macmillan 2005, with Ashok Parthasarathi.
43. India-ASEAN Cooperation in Information Communication Technologies (ICTs): Issues and Prospects: in Mukul Asher et al (eds) *ASEAN-India Economic Relations: The Road Ahead*, ISEAS, Singapore 2005, with Govindan Parayil.

44. Export of Software and Business Process Outsourcing from Developing Countries: Lessons from the Indian Experience, *Asia-Pacific Trade and Investment Review*, Vol 1, No.1, April 2005, pp 91-110, with Nagesh Kumar.
45. Perils of Excessive Export Orientation: The Case of India's ICT Sector, in Parayil G (ed) *Political Economy of Information capitalism in India*, Palgrave London 2005.
46. Innovation in India's IT software and services, in Antony D Costa and Sreedharan (eds) *India in the Global Software Industry, Innovation Firm Strategies and Development*, Palgarve, Macmillan 2004, with Ashok Parthasarathi.
47. SMEs under Globalization: Can ICTs Help?" **Productivity**, Special Supplement, May, 2004.
48. The Electronics Industry in Subir Gokhrn, Anindya Sen and Rajendra R Vaidya (eds) *Structure of Indian Industry*, Oxford University Press 2003.
49. Stagnation and Revival of Kerala Economy: An Open Economy Perspective, *Economic and Political Weekly*, Vol 38, No. 23, June 7, 2003, with K N Harilal.
50. Technology Import under Economic Liberalization: An Exploration into India's Technology Transfer from Japan and United States in KV Kesavan. (ed) *Building A Global Partnership – Fifty Years of Indo-Japanese Relations*, Lancer's Books, 2002.
51. Harnessing ICT for Development: Need for a national Policy, *Information Technology in Developing Countries*, Vol. No. 2 December.
52. Neglected Dimensions of Industrialisation in Kerala, *Economic and Political Weekly Vol 37, No. 35, Aug 2002*
53. Limits to Innovation with Strong Export Orientation: The Case of Indian Information Communication Technology Sector *Science Technology and Society, Vol 7 No.1, 13-39, 2002*, with Ashok Parthasarathi.
54. IT Boom, the Economy and Labor, *Labor and Development*, Vol 7, No.2, 2002.
55. Technology Licensing in Indian Industry: An Econometric Analysis of Choice of Partners, Terms of Contract and Effect on Licensees' Performance, *Economic and Political Weekly Vol 34, No. 27, July 3 1999*, with R E Evenson.
56. Globalization, Foreign firms and Export Performance: New Empirical Evidence from Indian Industry, **Development Review**, Vol.1, No.1 2001.
57. Structure and Growth of India's IT Exports: Implications of an Export Oriented Strategy *Economic and Political Weekly*, August 25-31, 2001. with K N Harilal.
58. External Sector Under Economic Liberalization in K V Kesevan (ed) *Economic Liberalisation in India: Japanese & Indian Perspectives*, Manak Publishers & ICSSR, New Delhi 2001, with C. Veeramani.
59. Development of IT Industry in Kerala: Implications of Export biased Strategy of Development Special Issue of *Marxist Samvadham* (Malayalam) Vol 4, Nos 17& 18, March 2001 with K N Harilal.

60. India-Sri Lanka Free Trade Accord, *Economic and Political Weekly*, Vol. 34 (13), 1999, with K N Harilal.
61. Industrial Development under Decentralization: Experience of Manjeri, Kerala, State Planning Board, Kerala. 2000 with M N Sudhakaran.
62. Industrial Strategy for the District Plan, in Eapen M et .al (eds) *Development Perspective: First Step in Formulation of a District Plan*, State Planning Board, Kerala, 2000.
63. Software in Kerala's Industrialization: Some Reflections, in Alvin Prakash (eds) *Kerala Economy*, Sage Publications 1999.
64. Natural Rubber: Perils of Policy, *Economic and Political Weekly*, July 4-12. 1998, with K N Harilal.
65. Technology, Trade and Product Structure: A Conceptual frame with a Case Study of Indian Electronics, *Productivity*, Vol 34, No.4, 1994, with K.K. Subrahmanian.
66. Output Growth, Technology Behavior and Employment: A Case of Indian Electronics in the Eighties, in A.K. Bagchi (ed) *New Technology, Labor Market and labor Response*, Sage Publishers 1994.
67. Industry and Trade Liberalization: Performance of Motor Vehicles and Electronics Industries, 1981-91, *Economic and Political Weekly*, Vol 17, No. 8&9, February 1993, with D. Narayana.
68. Market Segmentation and Performance of Firms: Case of Indian Television Industry in the Eighties, *Economic and Political Weekly*, Vol. 17, No. 48, Nov 28, 1992.
69. Employment Potential of Electronics, *Electronics Information & Planning*, June 1992.
70. Electronics Industry under Liberalization, *Journal of the Indian School of Political Economy*, Vol. IV No 2, 1992.
71. Growth Performance of Indian Electronics: a Comparative Analysis with South Korea, in Arun Gosh et al. (eds) *Indian Industrialization*, Oxford University Press 1992. An earlier version of this paper was published in *Electronics Information & Planning'* Vol.16 No.5.
72. Technology, Growth and Dependence: A Case of Indian Electronics Industry, *Asian Journal of Economics and Social Studies*, summer 1990, with P. Mohanan Pillai.
73. R&D in Indian Electronics- Taking the Back Seat? *Corporate Trends*, Vol 4, No. 4, April 1990; later appeared in Economic Times Open edit full page.
74. Bridling Growth of Electronics, *Economic and Political Weekly*, 22nd April, 1989.
75. Growth Performance of Indian Electronics under Liberalization, *Economic and Political Weekly*, Aug. 19.1989.
76. Performance of State Electronics Development Corporations: An Evaluation, *Electronics Information & Planning*, Vol.16, No. 6, March. Subsequently published in Corporate Trends, Vol. 3, August 1989. ; later appeared in Economic Times Open edit full page

77. Foreign Collaboration in Indian Electronics, *Corporate Trends*, Vol. 3 No. 3, December 1989.
78. Electronics in Kerala's Industrialization, *Economic and Political Weekly*, June 11, 1988, with K.K. Subrahmanian.

Working Papers

1. Setting the prices right? An empirical analysis of e-auction in cardamom, with KiranKumar, NRPPD Discussion paper 2018
2. Tea or coffee? On the determinants of coffee consumption in India, with Ritika S and Kiran Kumar NRPPD Discussion paper 2018
3. Constraints to diffusion/adoption of innovations in natural rubber: Study of tapping practices and rain guarding, with KiranKumar, NRPPD Discussion paper 2018
4. The harvest is plentiful but the harvesters are a few? An exploration of the below potential of natural rubber with KiranKumar, NRPPD Discussion paper 2018
5. Diffusion/adoption of innovations in coffee: A study of Chandragiri variety, with P K Viswanathan and Sajita A, NRPPD Discussion paper 2018
6. Post-harvest issues in spices: Study of coriander and cumin, with P Mohahakumar, NRPPD Discussion paper 2018
7. Wrong Means for the Right Ends? Reflections on the Kasturirangan Working Group Report and Plausible Way Forward with D Narayana: NRPPD Discussion paper No. 40 2015
8. Towards evolving a more effective R&D and extension System for Tea in North India with Namrata Thapa, NRPPD Discussion paper No.42, 2015
9. Growth Performance of ICT in India under Trade Liberalization and Integration with ASEAN with Kiran Kumar Kakarlapudi, Institute of Comparative Economic Studies, Tokyo, Japan Working Paper No.196, 2015.
10. Bypassing the Resource Curse: Case of Learning, Innovation and Competence Building in Natural Rubber, Kerala, India; NRPPD Discussion Paper No. 34, jointly with Namrata Thapa and Olav Wicken. 2014
11. Towards a Sustainable System of Innovation: The Case of Plantation Sector in Kerala, NRPPD Discussion Paper No. 28. 2013
12. Research and Development in Small Cardamom by ICRI: An Evaluation, NRPPD Discussion Paper No. 10. 2012
13. Commodity Markets and Computers - An Analysis of e- Auction in Cardamom Marketing from an Inclusive Innovation System Perspective, NRPPD Discussion Paper No. 9. 2011

14. Towards a New Paradigm for Plantation Development in India: An Analysis of the System of Production and Innovation from an Inclusive Growth Perspective, NRPPD Discussion Paper No. 1. 2010
15. Indiyale Thottam Mekhalayile Vikasanathinu Puthiyoru Pariprekshyam (in Malayalam), NRPPD Discussion Paper No. 4. 2010
16. Growth and Structural Change in Kerala Economy, *in Kerala Development Report With K N Harilal, CDS 2007*
17. Stagnation and Revival of Kerala Economy: An Open Economy Perspective, CDS Working paper No. 305, with K N Harilal.
18. Harnessing ICT for Development: Indian Experience, OECD–IPS workshop on Promoting Knowledge base Economies in Asia, 21-22, November 2002, Singapore.
19. Growth of ICT and ICT for Development: Realities of the Myths of Indian Experience, Discussion Paper No 2002/78, UNU WIDER, August 2002 <http://www.wider.unu.edu/publications/publications.htm>
20. Technology Licensing in Indian Industry: An Econometric Analysis of Choice of Partners, Terms of Contract and Effect on Licensees' Performance CDS working paper 273, with Robert Evenson.
21. India's IT Boom: Challenges Ahead working paper No. 317, Centre for Development Studies, Trivandrum 2001, with K N Harilal, http://www.cds.edu/download_files/wp3_1_7.pdf
22. Structural Adjustment in India: A Survey of Recent Studies and Issues for further Research, *CDS Working Paper 267* 1996.
23. Foreign Control and Export Intensity of Firms in Indian Industry CDS *Working paper* No 257 1993, with K. K. Subrahmanian.
24. On the Determinants of Current Account Deficits: A Comparative Analysis of India, China and South Korea, *CDS working paper* No. 258, 1993, with P. Nandakumar.

Involvement in the preparation of Policy Oriented Reports

1. Report of the National Consultation on Crisis in Plantation Sector: In search of long term strategies, Report Submitted to the Ministry of Commerce, NRPPD, Centre for Development Studies, Trivandrum 2016
2. Report of the Committee for reviewing the proposal for amendment of Tea Act, 1953, Tea Board of India 2015.
3. Report of the Expert committee to draft the National Rubber Policy, Ministry of Commerce, 2015
4. UNCTAD, Information Economy Report 2012 http://unctad.org/en/PublicationsLibrary/ier2012_en.pdf.
5. Ministry of Commerce, Government of India, Sub-Group on Technology Intensity in India's Manufacturing Exports, 12th five year Plan. 2011.
6. Report on Structural Infirmities in Plantation sector (spices & Natural Rubber) was submitted to the Ministry of Commerce 2010 http://cds.edu/wp-content/uploads/2013/01/Report_StructuralInfirmities.pdf.

7. Global Financial Crisis and Kerala Economy: A Report Submitted to the Government of Kerala, Centre for Development Studies, 2009, member of the study team
8. Southern Development Solutions based on the ICT experience of India, jointly with RIS for UNDP 2006.
9. Trinity of the South: A Study of India-Brazil–South Africa (IBSA) Economic Cooperation RIS, 2005. <http://www.ris.org.in/research/south-south-cooperation-and-development.html#Building>.
10. South-South Cooperation and the Digital Divide: the e-South Framework RIS, 2005, <http://www.ris.org.in/research/south-south-cooperation-and-development.html#South>.
11. Towards an Employment Oriented Export Strategy: Report for the Ministry of Commerce, RIS 2005 <http://ris.org.in/personnel/faculty/237.html>.
12. Exploring Mekong-Ganga Partnership RIS New Delhi, <http://www.ris.org.in/research/regionalbilateral-economic-integration.html> (2003).
13. A Strategic Approach to Strengthening the International Competitiveness in Knowledge-based Industries, Department of Scientific and Industrial Research, RIS 2004, <http://www.ris.org.in/research/strategic-responses-to-globalization.html>.
14. State, FDI and Export of Software and BPO Services from India : A Background Paper for the UNCTAD *World Investment Report*, RIS 2004, <http://www.ris.org.in/research/strategic-responses-to-globalization.html>.
15. Future Directions of BIMSTEC: Towards a Bay of Bengal Economic Community, RIS, New Delhi 2004.
16. South Asia Development and Cooperation Report 2004, RIS New Delhi, <http://www.ris.org.in/research/regionalbilateral-economic-integration.html>.
17. IT Cooperation in Asia with a Focus on ASEAN Countries RIS New Delhi, 2004, <http://www.ris.org.in/research/regionalbilateral-economic-integration.html>.
18. Development of Enabling Policies for Promoting Trade and Investment in the IT Sector of GMS Economies (Cambodia, Lao PDR, Myanmar, Thailand, Vietnam, Yunnan Province of China). In addition to submitting the report, the task involved presenting the study before the senior and middle level Government officials concerned with policy making. In each workshop, inaugurated either by the Minister concerned or a senior officer, I made six presentations during the one and a half day workshop. Local experts acted as discussants. For the details of the workshops schedules and report on each county please visit <http://www.unescap.org/tid/projects/gms.asp> 2004
19. ASEAN-India Vision 2020: Working together for a Shared Prosperity, RIS, New Delhi, 2004 available at www.ris.org/asean_indiavision2020.htm.
20. Performance of Manjeri Municipality in Promoting Industrial Units under Decentralized Planning 1999, Jointly with M N Sudhakaran, State Planning Board, Kerala.
21. Indian Electronics Industry, A Study Conducted Jointly with Behram Wadia and

Associates as a background for designing the future activities of CEDT, Bangalore, sponsored by the Swiss Development Corporation, 1997

22. As a Member, 9th Five Year Task force on Electronics and Software Development in Kerala - Government of Kerala, drafted the draft Task Force report, 1997
23. As an Adhoc Joint Chief in IAMR, prepared a Study on Employment Potential of Indian Electronics (jointly with P R Sengupta), for the Department of Electronics, later published in *Electronics Information & Planning*, June, 1992
24. Evaluation of Promotional Measures in Cardamom Cultivation undertaken for the Spices Board, Cochin, Centre for Development Studies, 1988. Jointly with P S George.

In addition there are journalistic pieces published in The Hindu, Business line, Economic Times, Financial Express, Rubber Asia, Tyree Asia, Deccan Chronicle, Malayala Manorama, Mathrubhumi, Deepika, Mangalom and others

Also been participating in the discussion in visual media on issues of current economic relevance;

<http://www.rediff.com/business/slide-show/slide-show-1-interview-fdi-will-not-help-when-your-economy-is-in-trouble/20130628.htm>

Organization of Conferences/Workshops and Training Programmes

1. CDS-CII Workshop on Strategy for Manufacturing Sector in Kerala 7 December, 2005.
2. 4th Globelics International Conference: Innovation for International Competitiveness and Shared Prosperity in Developing Countries
3. *Organized the Globelics International Conference in CDS, wherein where in 318 participated from 48 countries; mobilized Rs 40 Lakhs from national and international organizations - South-South Cooperation division of UNDP, UNCTAD, Departments of the Government of India like Department of Scientific and Industrial Research, Department of Rural development, Planning Commission, ICSSR, and other organizations like the Institute of Financial Management and Research, Chennai and Exim Bank of India. Patron: Jairam Ramesh; Advisory Committee consisted of leading academicians including Prof Amiya Kumar Bagchi; Prof RR Nelson; Prof N S Siddharthan, Prof BA Lundval; Giovanni Dosi, and Policy makers of repute including late Shri V Ramachandran IAS Honorary fellow CDS, Dr Pronab Sen; and Prof Ashok Parthasarthi*
4. National Seminar on International Competitiveness and Inclusive Growth 20-21 October 2008 - Joint Coordinator: Dr. P L Beena.
5. Towards an Inclusive Innovation System, workshop organized in JNU jointly with CSSP (JNU) and CPR with the support of IDRC, 2008.
6. The State of Plantation Sector in India: Issues for Research & Policy Action,

organized at the instance on NRPPD, CDS, 6-7 March 2009

7. International Seminar on Innovation and Development under Globalization: BRICS Experience, jointly with Federal University of Rio de Janeiro supported by IDRC Canada and UNCTAD, 19-21 August 2009.
8. International Seminar on ASEAN-India Free Trade Agreement & Way Forward, Jointly with IIFT, UNCTAD and WTO Centre (IIFT), 5-6 February 2010.
9. International conference on Innovation, Sustainability and Development, organized jointly by CDS, NISTADS and STEPs center, 28-30 June 2011, NISTADS New Delhi.
10. Building competitiveness in a globalized world: Experience of India's plantation sector, 23-24 January 2011.
11. Workshop on "Towards Implementing the Science Technology and Innovation Policy 2013" Centre for Development Studies jointly with the Ministry of Science and Technology, 31 August 2013.
12. Emerging Issues in India's Plantation Sector, 31 March and 1 April 2014, CDS Trivandrum.
13. Organized the Second IndiaLICS International Conference on 'Systems of Innovation for Inclusive Agriculture and Rural Development', July 28-29, 2015, jointly with Punjabi University, Patiala.
14. Third IndiaLICS International Conference on Innovation and Sustainable development jointly with RIS, New Delhi, 16-18 March 2016, CDS Trivandrum
15. National Workshop on Strategic Approach to Strengthening International Competitiveness in Knowledge-based Industries August 13, 2004, Silver Oak-I, India Habitat Centre, New Delhi, with Nagesh Kumar, DG RIS
16. High Level Conference on Asian Economic Integration: Vision of a New Asia, Tokyo 18-19 November 2004, with Nagesh Kumar, DG RIS
17. Organized the meeting of Think Tanks of ASEAN member countries for the preparation of ASEAN India Vision 2020, with Nagesh Kumar, DG RIS

Coordination of Training Programs for college/university teachers & Research scholars

1. Training Workshop on Technology Management, Jointly with Consultancy Development Centre, Department of Scientific and Industrial Research, Government of India, CDS, 9 December 2006.
2. Coordinated the CDS-UNCTAD Training Program for college/university teachers and researchers on Contemporary Issues in International Trade" 10-30 October, 2008.
3. Coordinated the 2nd CDS UNCTAD Refresher Course cum training Program for college/university teachers and researchers, May 21- June 10, 2009.
4. Coordinated the Refresher Course cum Research Program in Economics for college/university teachers and researchers- Topic Trade and Development, Jan 4-25 2012.

5. Coordinated the Executive training program for the commodity Board officials.5-8 December 2012.
6. Coordinated the Refresher Course cum Research Program in Economics for college/university teachers and researchers- Topic Innovation and Development Jan 4-25 2013.
7. Training program on Research issues and Methods in India's Plantation sector 24-25 January 2014 in Christ University, Bangalore.
8. Training program of Research issues and Methods in India's Plantation sector 27-28 January 2014 in Central university of Kerala, Kasargod.
9. Training programme of Research Issues and Methods in India's Plantation sector jointly with *Omeo Kumar Das Institute of Social Change and Development, Guwahati, and held in OKD Institute, 17 – 18 November 2015*
10. Training programme of Research Issues and Methods in India's Plantation sector jointly organized with *Department of Economics, Tripura University, 20-21 November 2015.*
11. *Indialics* Training Programme on Research Issues and Methods in Innovation Systems and Sustainable Development, CDS Trivandrum, *14-20 March 2016.*

Stakeholder Consultations for providing inputs for Policy Making

- 1) Organized a number of consultations with different stakeholders in plantation sector for providing input for policy formulation by the Ministry of Commerce. The latest being the national stakeholder consultation on National Rubber Policy organized as a member of the Expert Committee of National Rubber Policy and national Consultation of Crisis in plantation sector. Please visit <http://www.cds.edu/research/research-units-and-endowment-funds/research-programme-on-plantation-development/stakeholder-consultation/national-stakeholder-consultation-on-national-rubber-policy/>

Seminars/ Plenary Addresses and Invited talks

Outside India

1. Argentina

1. Chaired and discussed the plenary session “Productive Specialization and development: Reaching a sustainable path in developing countries and presented a paper Global Innovation Networks or Global Innovation Traps: A study of University Industry interaction in India's ICT sector" (jointly with Vinoj Abraham), 15-17 November 2011, *9th International Globelics Conference*, Buenos Aires, Argentina.

2. Brazil

2. Presented a paper on The journey of India's development towards de-industrialization without industrialization, Workshop Development Lockins, Traps and Catchup: India, China, South Africa, South Korea and Latin America", CEDEPLAR, Federal University of Minas Gerais (UFMG), 8-10 July 2019, Belo Horizonte
3. Made a presentation on “Addressing the development paradox of 21st Century through building LICs - The RedeSist way”, in the international workshop organized

as part of the 20 Years of RedeSisit, organized by the Federal University of Rio de Janeiro, 21-23 November 2017

4 Made presentation on “Global integration without Learning Innovation and Competence building Systems (LICS): Indian experience in the International conference on the Future of Development organized by Centre for High Studies, BNDES and CGEE, Rio de Janeiro, 2-4 May 2016.

5 Led the India delegation for the in the High-level workshop on Innovation and Development in BRICS as preparatory for the forthcoming BRICS Ministerial organized by CGEE, 25-27 March 2014, Brasilia.

6. In search of spaces of social exclusion in innovation systems: The case of plantation agriculture in India, International seminar on Innovation systems and Inclusive innovation, organized by the Federal University of Brazil, Rio de Janeiro, 27- 28 August 2012.

7 Presented a paper on GINed for Innovation, Technological up-gradation and capability building: Case of a Truly Global, Innovative and Networked Firm, in the workshop on Global Innovation Networks, organized by Centro de Desenvolvimento e Planejamento Regional (CEDEPLAR-UFMG) and Fondazione Eni Enrico Mattei (FEEM) 2-4 May 2011 in Belo Horizonte, Brazil.

8 Presented a paper on “Industrial and Technology Policies in India: Changing Perspectives and Missing links” and was a discussant of the paper on Sectoral Innovation Systems in India at the seminar on “Ten years of Local Innovative and Productive systems, held at Federal University of Brazil, Rio de Janeiro, Brazil, 26-28 November 2007.

9 Science Technology and Innovation Policies in India: Changing Perspectives and Missing links, Presentation made at Second International Workshop of the BRICS Project Comparative Study of the National Innovation Systems of Brazil, Russia, India, China and South Africa, Hotel Glória, Rio de Janeiro, Brazil, 25-27 April, 2007.

10 Making India an ICT Powerhouse: The role of Innovation System, Presentation made at the Second International Workshop of the BRICS Project Comparative Study of the National Innovation Systems of Brazil, Russia, India, China and South Africa, Hotel Glória, Rio de Janeiro, Brazil, 25-27 April, 2007.

11 Transforming Digital Divide into Digital Dividend: The Role of South-South Cooperation in ICTs A lecture delivered at the Rio Business Council, Rio de Janeiro Brazil on 24th April 2007.

3. Cambodia

12 As a UNESCAP consultant, made six presentations in the national workshop on Development of enabling policies for trade and investment in IT sector of Myanmar, organised by the Ministry of Commerce and UNESCAP 4-5 September 2003, Phnom Penh.

4. China

13

14 Being selected as Global Expert in Innovation Studies, visited the Tianjin University of Finance and Economics during November-December, 2016.

15 Being selected as Global Expert in Innovation Studies, visited the Tianjin University of Finance and Economics during November-December, 2015.

16 Being Selected as Global Expert in Innovation Studies, visited the Tianjin University of Finance and Economics during September-October, 2014.

17 Presented a paper on Spaces of Exclusion in the Institutional Architecture for Innovation: Case of Plantation Agriculture in India in the 10th *Globelics international conference* held in Hangzhou, China, during 9-11 November 2012. Discussant of the panel on inclusive innovation and social development; Also served as a member of the PhD award Committee and the Advisory Committee of the conference.

18 Made presentation on ICT Application for inclusive Development Case of Plantation Sector in the preparatory meeting of the Research Project on Innovation Systems for Inclusive Development: Lessons from Rural China and India organized by National Science Foundation, China and IDRC, Canada, March 24th-26th 2008, Beijing.

19 Presented a paper on GPTs and Innovation Systems in Developing Countries: A Comparative Analysis of ICT Experiences in India and Thailand, in the Second Globelics Conference, held in Beijing, China, 6-9 October 2004.

20. Chaired a session on Sectoral Innovation Systems in the Second Globelics Conference, held in Beijing 16-19 October 2004.

21 Made a presentation on As the Elephant Follows the Dragon: India's Economic Performance under Globalization, in the Round Table on These BRICS: What Road Ahead for the Big Five? Second Globelics Conference, held in Beijing, 16-19 October 2004.

22. As a UNESCAP consultant, made six presentations in the national workshop on Development of enabling policies for trade and investment in IT sector of Yunnan, organised by the Ministry of Commerce and UNESCAP, 10-11 November 2003, Kunming, China.

5. Denmark

23 Presented a paper "To integrate with integrity for innovating out of poverty: Innovation system, global value chains and inclusive development" in the international workshop on integrating Research on innovation systems with Global Value Chains, Copenhagen 21 May 2015, organized by Aalborg university & Globelics.

24 Presented a paper on Innovations, Policies and Systems in the Globalisation of Innovation: The Case of India's IT Industry, Workshop on the Work package 10 of INGINEUS project, Copenhagen Business School, 23-24 Feb 2011.

25 Made a presentation on India's Innovation system in Transition, jointly with other Indian researchers in the BRICS conference, organized by Aalborg University and Globelics, 12-15-February 2006.

6. Ethiopia

26 Presented a paper "Bypassing the resource curse through learning, innovation and competence building: Case of natural rubber in India" jointly with Namrata Thappa & Olav Wicken; 14 Globelics international conference, Addis Ababa, Ethiopia, 28-31 October, 2014.

27 Chaired the concluding session of 14 Globelics international conference, Addis Ababa, Ethiopia, 28-31 October 2014.

28 Delivered plenary address on Harnessing ICT for hastening Africa's catching up Lessons from India, in the international conference on International Conference (IC 2012) on Sustainable Development through Science & Technology: Lesson from Emerging Economies, organised by Adama Science and Technology University (ASTU), Adama, Ethiopia, September 6-8, 2012.

7. Finland

29 Trade liberalization and Digital Divide: A South-South Cooperation Perspective, A Paper presented at the UNU WIDER conference on the future of Development Economics, Helsinki, Finland May 16-18, 2005.

30 Growth of ICT and ICT in Development: Indian Experience Presented in the conference on New Economy in Development, organized by WIDER, Helsinki, Finland 10-11 May 2002.

8. Germany

31 Hastening Catching up: Any lessons from India's ICT Sector? Paper presented in the Catch up Conference, German Development Institute, Bonn, Germany, 4-5 February 2007.

9. Ghana

32 Delivered the presidential address on Innovation and inequality under globalization, 16th Globelics international conference, speaker at the special session on Agricultural innovation system 24-16 October 2018.

10 Greece

33 Presented the paper Interrogating Agricultural Innovation System from Small Farmers' Perspective, 15 Globelics International Conference, National Technical University of Athens (NTUA), 11-13 October Athens and Chaired the Session on Global Value Chains

11. Indonesia

34 Presented a paper on "Regional Inequality in Technological Learning Capability in China: Innovation System Perspective in 14th GLOBELICS international conference on Innovation, Creativity and development: Strategies for Inclusiveness and Sustainability, Bandung, Indonesia, 12 -14 October, 2016

35 Co-ordinated a special session on "Agricultural Innovation System" and made a presentation in this session on " From Commodity Problematique to Innovation Problematique: Dilemma of Plantation Agriculture in India" Globelics International conference Bandung 12-14 October 2016. Also was a discussant in one of the sessions on

12. Italy

36 Towards Exploring University Industry Interaction in India, Presentation made at Catch up Conference, Bocconi University, Milan, 2007.

37 Participated in the project Launching workshop of the EU sponsored project on From Global Production Network to Global Innovation Networks, organized by Bolongna, Italy 2008.

13. Japan

38 Presented a paper on “Growth Performance of ICT and India under trade liberalization integration with ASEAN” in the International Conference on Asian Economy at the Crossroad: China, India, and ASEAN organized by Institute of comparative Economic Studies at Hosei University, Tokyo, Japan, November 14-15, 2015.

39 Presented a paper on “India ASEAN Engagement in ICT in the era of Information Technology and Agreement of WTO”, in the international conference on Asian Economy at the cross road: China, India and the ASEAN organized by the Institute of Comparative Economic Studies Hosei University Tokyo 1st March 2014.

40 Presented a paper “IT Industry in India: Past performance and Challenges ahead, in an international Seminar on “The New Economy of the United States Possibilities and Anxieties”, organized by Chiba University, Tokyo, 15-16 December 2007.

41 Presented a seminar on “ICT and Asian Development” at Association of Asian Scholars at Hosei University, Tokyo, on 13th December 2007.

42 Presented a paper on India: Policy Reforms, Performance and the Way Forward, in the Indo-Japan Dialogue on Ocean Security, Tokyo, 25-26 November 2004.

43 Organized the Asian Economic Community meeting (with Nagesh Kumar) in Tokyo, a Programme sponsored by the Sasakawa Foundation, 16-18 November 2004.

44 Visited Japan as a member of the Committee on India Japan Collaboration in social sciences and Humanities, 1996.

14. Kenya

45. Delivered the opening lecture on Building new bridges between innovation system and development studies, in the Africalics PhD Academy, Mombasa, 2 March 2015, organize by Africalics.

15. Lao PDR

46. As a UNESCAP consultant, made six presentations in the national workshop on Development of enabling policies for trade and investment in IT sector of Myanmar, organised by the Ministry of Commerce and UNESCAP 4- 5 August 2003, Lane Xang Hotel, Vientiane.

16 Malaysia

47. Chaired the Plenary Session on Making Innovation Work for the Poor, discussed one parallel session, chaired another and presented a paper on Innovation System for Inclusive growth: Lessons from India’s Plantation Sector, 8th *GLOBELICS International Conference*, University of Malaya, Kuala Lumpur, 1-3 November, 2010.

48. Plenary Speaker on Asia’s Innovation System and presented paper “Information Technology and Productivity: Evidence from India’s Manufacturing sector” jointly prepared with Vinoj Abraham and chaired a session and discussant at another session at the Asialics Conference held at the National University of Kuala Lumpur, 22-24 August 2007.

17. Mexico

49. Initiated the Panel discussion on “Is there a need to develop new rules of the game at the global level to compensate the developing countries for brain drain”, 22-24th September, 2008, Mexico City, Mexico.

50 Presented a paper on and discussant of the session on Globalization, MNC and innovation: Issues related to MNC in developing countries at the Sixth GLOBELICS International Conference, 22-24th September, 2008, Mexico City, Mexico.

51 Presented the paper “Leader in production but a laggard in consumption? Innovation System and IT Diffusion in India’s manufacturing sector” in 6th Globelics International conference 22-24 September 2008 Mexico city.

18. Myanmar

52 As a UNESCAP consultant, made six presentations in the national workshop on Development of enabling policies for trade and investment in IT sector of Myanmar, organised by the Ministry of Commerce and UNESCAP 7-8 August 2003 Yangon.

19. Norway

53 Presented a seminar on “Made a presentation on Can Trade Liberalization Bridge the Digital Divide? Centre for Technology, Innovation and Culture, University of Oslo, February 16, 2006.

20. Philippines

54 Presented a paper on Hastening catching up by harnessing ICT: Are we missing the new avenues? 2011-12 Inter-sessional panel of the UN Commission on Science and Technology for Development, 13-15 December 2011, Manila, Philippines.

21. Russia

55 Plenary speaker in the session on BRICS Innovation System and the session to honor Prof R R Nelson on his contribution to evolutionary economics; Presented a paper on Sectoral Innovation System in Developing Countries, chaired a session and discussant of another session at the 5th *International Globelics Conference* at Saratov State Technical University at Saratov, Russia, September 20-23, 2007.

22. Rwanda

56. Fourth industrial revolution: Boon or a bane for the South? Lecture delivered at the Africa Innovation summit, 5 June 2018, Kigali, Rwanda

23. Senegal

57 Schumpeter Dissents, Keynes Derides: India, Global Economic Crisis and Innovation, Plenary lecture at 7th Globelics International Conference, Dakar, 6-8 October 2009.

24. Singapore

58. Presented a paper on Electronics Sector: Recent trends and challenges facing merging sub-national regions, in the seminar on State policy and industrial transformation at the sub-national level, Institute of Southeast Asian Studies, Singapore, 7th October 2011.

59. India-ASEAN Cooperation in Information and Communications Technologies (ICTs): Issues and Prospects, paper presented at the First ASEAN-India Forum, ASEAN-India Economic Relations: The Road Ahead, 9-10 February 2004, Singapore, organized by the Institute of South East Asian Studies (ISEAS), Singapore.

60 Harnessing ICT for Development: Indian Experience, OECD –IPS workshop on Promoting Knowledge base Economies in Asia, 21-22, November 2002, Singapore.

25. South Africa

61 Made a presentation on the Measurement of National Innovation systems in the 3rd Meeting of the Global Forum of national Advisory Councils, organized by HSRC, 5-6 December 2017 Johannesburg.

62 Delivered the Annual Innovation and Development Lecture on Interrogating Agricultural Innovation System from Small Farmers' Perspective, HSRC, Cape Town, 2 March 2017

63. Presented a paper on India's innovation system in the 3rd BRICS seminar held at Sustainability Institute, Cape Town, South Africa, 28-30 August 2008.

64 Hastening catching up by harnessing Southern Innovation System, Paper presented at the third Globelics Conference, Pretoria, South Africa, 1- 4 November, 2005.

65 Visited South Africa thrice as a member of Review Committee of HSRC (ESSD) 2008.

66 Discussant of the paper Universities and development in sub-Saharan Africa: Comparing university-firm interaction in Nigeria, Uganda and South Africa, in the International Seminar on University Industry Interaction, 4-5 August 2009, HSRC Cape Town South Africa.

26. South Korea

67 Presented a paper on "Industry University Interaction in India" in the Seminar on Industry-University linkages and Economic Performance, held in Seoul National University on 27th February 2009, Seoul, South Korea.

27. Sri Lanka

68 Innovation systems, inequality and exclusion: Evidence from plantation agriculture IT 4D in India, paper presented in the international conference on Promoting Socio-Economic Equity in South Asia, 15-16 July, Colombo, organized by National Science Foundation Sri Lanka and ICSSR.

69 Made a presentation on hastening catching up by harnessing Southern capabilities: case of ICT, Institute of Policy Studies, Colombo, 29th October, 2005.

28. Switzerland

70 Invited to make a presentation on "India's ICT sector Achievements and Challenges" in the in the second session of the Multi-year Expert Meeting on Investment, Innovation and Entrepreneurship for productive capacity and sustainable development organized by UNCTAD, 19-21 March, Geneva 2014.

29. Sweden

71 Presented a paper on university industry interaction in ICT, as part of the EU project INGENIUS, Stockholm, March 2009.

30. Thailand

72 Made a presentation on Trade and Investment relations between India and Mekong Countries in the seminar on South-South Economic Cooperation: Exploring Mekong-Ganga Relationship, organise by RIS and CUTS Jaipur, 26-27 October 2005, Chaophya Park Hotel, Bangkok.

73 Chaired the Concluding Session and made a presentation on Towards an Asian Economic Community: Relevance, Approaches and a Way forward, in the ACD Think Tank Symposium, 15-17, December 2004, Bangkok, Thailand.

74 National Innovation Systems and India's IT Capability: Are there any lessons for ASEAN New Comers? Paper presented in the First Asialics International Conference on Innovation Systems and Clusters in Asia: Challenges and Regional Integration, organized by NISTDA, JICA & Globelics, Bangkok, Thailand 1-2 April 2004.

75 Made a presentation on Enabling policies for promoting trade and Investment in the IT sector of GMS region, 3-4 March 2004, UNESCAP Bangkok.

31. Turkey

76 Wedded to Trade and Divorced from Innovation. An analysis of the outcome of Information Technology Agreement of WTO, 11th Globelics Conference organized by Middle Eastern Technical University, Ankara, Turkey 11-13 September 2013, Served as the member of the Scientific Committee of the conference and member of the Ph D Award Committee.

32. UK

77 Invited Speaker at European Science Form 23-27 July 2016, Manchester University, UK.

78 Presented a seminar on IT Industry in India: Past Performance and new Challenges, at Lancashire Business School, The University of Central Lancashire, UK on 27 February 2008.

79 IT Boom in India: Challenges Ahead, Seminar presented at Science Policy Research Unit, University of Sussex, UK, 13 May 2003.

80 Made a presentation on "Innovation in Developing countries: Do we need a Southern Perspective?" at the UNESCO High-level Expert Working Group on Technology and Development, Manchester Institute of Innovation Research, University of Manchester UK, February 27-29 2008.

33. USA

81 Made a presentation on "Ants in the Honey pot? Spaces of Exclusion in the ICT4 velopment strategies" in the CSTD 2013-14 Inter-sessional Panel, United Nations Commission on Science, Technology and Development, organized by the Department if State Washington DC, USA 2-4 December 2013.

82. Made a presentation on Challenges of Technological and Economic Catch up: Reflections on International Technology Spillovers and South-South Cooperation in the Catch up Conference organized by the Earth Institute, Columbia University New York, 14-15, May 2005.

83 Participated in the OECD-APEC Global forum on Policy Framework for the Digital Economy, Jan 14-17, 2003, Honolulu, Hawaii, USA.

84 India's Software Exports: An Application of Specific factors Model, Eastern Economic Association Meeting, Boston, USA March, 1996.

85 Made a presentation on Technology Licensing in India's manufacturing sector, Economic Growth Center, 6 May 2006

34. Vietnam

86 As a UNESCAP consultant, made six presentations in the national workshop on Development of enabling policies for trade and investment in IT sector of Myanmar, organised by the Ministry of Commerce and UNESCAP 18-19 September 2003, Hanoi

Seminars/ Plenary Addresses and Invited talks

Within India (selective)

1. Imagining Shared Prosperity in a Context of Heightened Inequality under Globalization, Invited lecture delivered at the International conference on International trade war and shared prosperity, 12-12 December 2108 SB college, Changanacherry
2. When Makers of Value are not the Takers of Value: Towards a Perspective for Tea Plantation Development in India, Key note address delivered in the international conference on, 'Tea Plantation Economy in India: Issues of Value Chain and Decent Work' 7-8 December, 2018 TISS Guwahati
3. Addressing the Development Challenges under Globalization: Whither Innovation? , Key note delivered at the Globelics Academy, 3 December 2018, Institute for Economic Research on Innovation (IERI) and the NRF/DST Centre of Excellence in ScIentometrics and STI Policy (SciSTIP), Tshwane University of Technology, South Africa
4. Imagining Industrialization in 21st Century, Valedictory address Delivered at the International conference on Planning for Industrialization in the 21 century, 16 November 2018
5. Imagining India's Plantation Agriculture in the 21st Century , Foundation day Lecture delivered at the Kodagu agricultural Scientist Forum, 20 November 2018
6. Addressing new Challenges of India's Plantation Agriculture in the 21st Century, Presentation made at the Karnataka Planters Association, 31 October 2018
7. Sustainable Development: Whither Innovation?, Inaugural lecture delivered at the Indialics Academy, 19 September 2018, Thapar university Patiala
8. Technology-productivity conundrum in India's manufacturing under globalization: A Preliminary exploration using innovation system perspective, paper prsented that silver Jubilee conference of MSC, 11, August 2018
9. Digital Economy, Industry 4.0 and Development, Lessons from IT Revolution Bangalore, 3 May 2018, RIS and CII Panel discussion on 'Futuristic, Resilient and Digital Infrastructure' at Hotel Taj West End, Bangalore on 3-4 May 2018.
10. Plight of Plantation agriculture in India, Special lecture delivered in the international conference on Dimensions of agrarian distress, Manage, Hyderabad, 20-21 April 2018

11. Delivered the key note address on “4th Industrial Revolution and India; Lessons from IT Revolution”, in the international conference on Innovations, Knowledge Accumulation and Development in the Era of Fourth Industrial Revolution, 15-16 March 2018, Punjabi University Patiala
12. Delivered the keynote address on Digital Economy and Development India’s Experience in the seminar on Digital Economy and Development: Opportunities, Impacts and Challenges” 26 -27 February 2018, Kanchi Mamunivar Centre for Post Graduate Studies, Puducherry
13. Delivered a lecture on “Changing perspectives in the theory and empirics of trade and technology”, in the Refresher program from Ph D scholars, in the RIS- EXIM Bank of India Summer School on International Trade Theory and Practices, 19- 24 June 2017, RIS, New Delhi
14. Presented a paper on “Export-employment conundrum in India’s manufacturing sector” in workshop on Job creation in South Asia, 21 June 2017, RIS New Delhi
15. Delivered a special lecture on “Agriculture and Sustainable Development: Case of Plantation Agriculture” in Kerala, in the seminar of Kerala Economy organised by the Marian College Kuttikkanam, 19-20 January 2018
16. Made a presentation on “Transforming the South: The role of South-South and Triangular Cooperation” in ST&I, in the International Conference on South-South and Triangular Cooperation organised by Ministry of External Affairs.
17. Government of India; United Nations; Forum for Indian Development Cooperation and NeST (Network of Southern Think-Tanks) on 24-25 August 2017, RIS New Delhi.
18. Made a presentation on “ICT and employment challenge in India” the special session ‘Meeting the Employment Challenge in South Asia’ organized by RIS, (IHD) under the auspices of the South Asia Centre for Policy Studies (SACEPS) and the South Asia Research Network (SARNET) in the 59th Annual Conference of the Indian Society of Labour Economics (ISLE) Gulati Institute of Finance and Taxation (GIFT), 16-18 December 2017 Trivandrum.
19. Chaired the Inaugural session 4th IndiaLics International conference, on Innovation for Sustainable Development: Perspectives, Policies and Practices in South Asia, 2-4 November 2017, JNU, New Delhi
20. Made on Presentation on “Measurement and evaluation of National Innovation Systems”, in the Global Forum of National Advisory Councils, Pretoria 4-6 Dec 2017
21. Made a presentation on “Interrogating Agricultural Innovation System from Small Farmers’ Perspective, chaired a session and acted as discussant of two papers in the 15 Globelics International Conference, 11-13 October Athens, Greece.

22. Presented a paper on “Trade Liberalisation and Industrial Performance: Case of Electronics in India and China” jointly with Liyan Zhang and Kiran Kumar Kakarlapudi at International Conference on Innovations, Trade and Development” organized by Centre for Development Economics and Innovations Studies (CDEIS), Punjabi University, Punjabi University during November 25-16, 2016.
23. Chaired the technical session on STG farm, the product and the market, in the PPS Assembly a celebration on innovation, Centre for Education and Communication, India International Centre, New Delhi, 7 June, 2016.
24. Delivered the keynote address on Kerala Economy at the crossroads: plausible way forward in the National seminar on Historicizing Development: Lessons from Kerala Nehru Arts and Science College, Kanhangad, June 23-24, 2016.
25. Made a presentation on Kerala Economy at the cross road’s in the plenary section at the Kerala Economy in the second annual conference of Kerala Economic Association, Farook College, May 27-29, 2016
26. Chaired the session on Kerala’s Plantation sector, International Congress on Kerala Economy, AKG Centre 9-10 January 2016.
27. Delivered the Economic Association inaugural address on “New Millennium Development Challenges”, Assumption College, Changanacherry, 5 August, 2015.
28. Participated in the Inter-ministerial standing committee on plantation labour organized by Ministry of labour on 8 July 2015, New Delhi.
29. Made a presentation on R&D and extension in Tea industry: A preliminary exploration, Tea Board, Calcutta, 26 July 2015.
30. Presented a paper on “Innovation Systems, learning capability and inequality: An inter-regional analysis of China under globalization” International workshop on” Innovation and Inclusive Development in Brazil, China, India and Russia” at CDS on 4 May, 2015.
31. Made on presentation on “ICT Cooperation in South Asia” in the panel discussion on Economic co-operation for economic development of South-Asia, 25 June 2015, organized by RIS New Delhi.
32. Delivered a keynote address on Wrong means for the right ends? Reflections on the Kasturirangan Working Group Report and Plausible Way Forward, Conference on Plantation sector in Kerala 24 August 2015, organized by AKG Centre Trivandrum.
33. Delivered an invited lecture on “Challenges of Industrial Development in Kerala” in the seminar on Kerala economy organized by Christian College Chengannur, 4 February 2015.
34. Delivered a plenary address on “Institutional Deficits in Sustainable Development: Case of plantation agriculture in India” in the International conference on economic reforms growth and sustainable development-changing role of

Institutions 16-18 February 2015, Organized by the Central University of Kerala Kasargod.

35. Presented a paper on ‘Please consult Schumpeter, says Keynes, Global financial crisis from the perspective of innovation’, in the National Seminar on Economic Crisis macro-economic dynamics, development challenges of developing countries organized by Centre for Jawaharlal Nehru studies, Jamia Millia Islamia, New Delhi, 24-25 February 2014 also spoke as a panelist in the panel discussion-on Developing countries and Global Financial Crisis.
36. Delivered an invited lecture on “Plantations in the land scape of India’s inclusive development strategy” in the national seminar on Indian Agriculture in the 21st Century – Challenges, opportunities and strategies, organized by Sacred Heart College Cochin, 30-31 January 2014.
37. Made a presentation on “integrating innovation concerns to India’s trade policy’ in the Round table on Future contours of India’s Trade Policy, Centre for WTO studies, IIFT, New Delhi, 17-18 December 2013.
38. Wedded to Trade, Divorced from Innovation: An Analysis of the Outcomes of Information Technology Agreement of WTO, (this paper got the best paper award in, 2013 Asia Society conference on Innovation and Policy organized by the Asia Society for Innovation and Policy, India International Centre, New Delhi 28-30 July 2014) forthcoming in Innovation and Development
39. Made a presentation on “Attracting investments in India’s Manufacturing sector’ in the seminar on Incentives to Invest and 12th Five Year Plan organized by ICRIER –KAS-FICCI, Taj Gateway Cochin, 8 November 2014.
40. Imagining Kerala’s Development and situating Budget 2013-14, presentation made at the Seminar on Emerging Kerala, organized by the K N Raj Centre, MG University, Kottayam, 22 March 2013.
41. Kerala Budget 2013-14: Some pre-budget reflections, presentation made at YMCA Trivandrum, 7 March 2013.
42. India’s ICT Sector in Transition Implications for South-South Cooperation, Prof Thomas Varkey Memorial lecture at St Thomas College Kozhencherry, 28 February 2013.
43. Innovative Options in Higher Education: Some Reflections, presentation made at the national seminar on Higher education, Mar Ivanios College, Trivandrum, 7 February 2013.
44. Delivered the valedictory address on Innovation and Development in India: Changing Paradigms and Trajectories, at the International Conference on Developments and Innovation in Emerging Economies, organized by Centre for Development Economics and Innovation, Punjabi University Patiala, 16-18 November 2012.

45. Information Economy Report 2012 of UNCTAD: A presentation of the report before the press, UNDP, New Delhi, 27 November 2012.
46. Chaired a session at the seminar on Non Tariff Barriers organized by the Textile Committee, on 25-16 September 2012, India Habitat Centre, New Delhi.
47. Made a presentation on WTO and Kerala Economy in the Seminar of Regional Implications of WTO organized by IMG and the WTO Centre in IIFT, New Delhi 17 September 2012.
48. Towards a Sustainable System of Innovation: The Case of Plantation Sector in Kerala, invited lecture delivered at Kerala Environmental Congress, Rajiv Gandhi Centre for Biotechnology, Trivandrum 16 August 2012.
49. Made a presentation on addressing new issues in Plantation sector in the seminar on Enhancing Competitiveness of Agriculture to meet the challenges of WTO and other PTA 25-26 November 2011, WTO Cell, Government of Kerala, Trivandrum and Agricultural Market Intelligence Cell, KAU.
50. Presented a paper on Plantation Sector: Towards redefining its role and locating new challenges, in the seminar on Kerala's Economic Development – Positives, Challenges and Prospects, December 23, 2011, Reserve bank of India (Trivandrum regional office).
51. Presented a paper on Issues of inclusion and exclusion: Evidence from plantation agriculture, in the Seminar on Issues in Kerala's Development, 31 December, 2011, Srothas, Trivandrum.
52. Presented a paper on Spaces of Exclusion in the Spheres of Innovation and Production: Case of India's Plantation sector in the International Seminar on Innovation, Sustainability and Development jointly organized by CDS, STEPS Centre (Sussex University) and NISTADS, New Delhi 28- 30 June 2011.
53. Made a plenary presentation on the State of Plantation Agriculture in the Plenary session on Kerala's Agriculture, International Congress on Kerala Studies, AKG Centre, Trivandrum 1-3 Jan 2011.
54. Chaired and discussed the session Regional Trade Agreement, Second International Conference in Empirical issues in International Trade and Finance, IIFT New Delhi, 16-17 Feb 2011.
55. Made a presentation on Role of Education in Inclusive Growth, Silver Jubilee Management Convention, and Trivandrum Management Association, 4-5th February, 2011.
56. Delivered the Prof K N Raj Memorial Lecture on "Towards a New Paradigm for Plantation Development", Central University of Kerala, Kasargod, 16 February 2011.
57. Presented a paper on India's ICT Revolution; What we know, do not know and ought to know, Seminar in memory of K K Subrahmanian, Gujarat Institute of Development Studies, Ahmedabad, 28 Feb 2010.

58. Made a presentation on Structural Infirmities in India's Plantation sector before the Minister, senior officials of the Ministry of Commerce and the Chairpersons on Commodity Boards, 5 October 2010, Ministry of Commerce New Delhi.
59. Delivered a public lecture on Excellence in Higher Education in India, YMCA Trivandrum 18 September 2010.
60. "Please Consult Schumpeter" Says Keynes, Global Financial Crisis and Innovation in India, Invited lecture in the International Seminar on Financial Crisis and India organized by Jadavpur University, Calcutta, 7-8 January 2010
61. Discussant in the Seminar on Kerala Development: Challenges and Opportunities, St Thomas College, Trichur, 25 July 2010.
62. Presented a paper on the Database for Policy Research under the FTA Regime: Case of India's Plantation Sector paper presented in the National Seminar on ASEAN India FTA and way forward organized by NRPPD (CDS) jointly with IIFT & UNCTAD, Trivandrum, 5-6th February, 2010.
63. ASEAN India FTA and India's Primary Commodities: Case of plantation sector, paper presented in the International Seminar on Regional Trading Arrangements, 3-4 December 2009, Jamia Milia University, New Delhi.
64. Database on India's Plantation Sector: From an Inclusive Innovation System Perspective, paper presented at the project Seminar on Innovation System for Inclusive Development: Lessons from India and China organized by the Central University of Hyderabad, 26-27 November 2009.
65. ASEAN-India Free Trade Agreement: Beyond Casual Observations, Public lecture delivered at YMCA, Trivandrum, 23rd November 2009.
66. ASEAN-India Free Trade Agreement and Plantations: Prof K. K. Francis Memorial Lecture Delivered in SB College Chaganacherry 16th October 2009.
67. Kerala Economy Emerging Challenges and Opportunities, Invited lecture at Kerala Social Service Forum (KSSF), Kottayam 24th April 2009.
68. On Preparing Proposals for External Research Grants, Invited lecture at MG University, Kottayam, 2nd April 2009.
69. Innovation System: A Southern Perspective, Invited lecture at ICTPI Conference New Delhi, 15 March 2009.
70. Global Financial Crisis and Plantation Crops, invited lecture at NABARD Trivandrum, 27 March 2009.
71. Participated in the High Level Workshop on Dialogues for Sustainable Development - India and EU, organized by European Union, New Delhi 19 August 2008.

72. Made plenary presentation on “Innovation System: A Southern Perspective” at the 5th Asialics Conference organized by IIM Bangalore during 2-4 April 2008.
73. Delivered Key note address on Financial Crisis and Kerala Economy in the Seminar on Global financial Crisis organized by YMCA Trivandrum 12 November 2008.
74. *ICT Software and Service Boom in India: What we Know, do not Know and ought to Know, paper presented at the International Seminar on BENEATH IT: Formations of Industry and Labour in the IT sector, Jamia Milia University, New Delhi 21-22 February 2007.*
75. Participated as an expert in the International Seminar on “Saving Doha and Delivering on Development” organized by UNCTAD Hotel ITC Maurya Sheraton, New Delhi, 12-13 March 2007.
76. Participated as an expert in the work shop on Strategies and preparedness for Trade and Globalization in India for Textile and Clothing Sector organized by UNCTAD India and Textile Committee, Royal Meridien, Chennai, 30 October 2006
77. Plenary Speaker on India’s March Towards 21st Century: The Relevance of Innovation Route, National Conference Indian Economy: Forging Ahead in 21st Century, 24-24 November, 2006, ICFAI, Bangalore.
78. Made a presentation on “Towards a Regional Export Strategy for Kerala in the context of Globalization”, in the Workshop on Export Strategy for Kerala organized by Keraxil and Ministry of Commerce, Govt of India, Kochi, 31st August 2006.
79. Invited Lecture on “India in the 21st Century: Challenges ahead” at Baselius College Kottayam, 30th October 2006
80. Invited lecture on Relevance of South-South Cooperation in WTO Regime: The case of ICTs, International seminar on Fifty Years of Development Economics with Special Reference to India, 29-30 December 2006, Department of Economics, University of Calcutta.
81. Planning for SMEs in an Open Economy by Harnessing ICTs Seminar on Small Scale Sector in the 11th Plan organized by ISED, Kochi 27-28 November 2006.
82. Missing links in India’s Innovation System for ICT: An Analysis of ICT Diffusion in India’s Manufacturing Sector, paper presented in the 4th Globelics Conference, 4-7 October 2006, Trivandrum
83. Discussant of the session Japan Comprehensive Economic Cooperation: Gains from Trade in the conference on Towards BIMSTEC-Japan Comprehensive Economic Cooperation: Vision and Tasks Ahead, organised by Centre for Studies in International Relations and Development (CSIRD), Kolkata, Taj Bengal: Kolkata, 16-17 December 2005.

84. Made a presentation Addressing Development paradox of Kerala: Role of Information Technology in the Workshop on Media, development and Communication, organised by Press Institute of India & Kerala Press Academy, Hotel Presidency, Kochi Dates September 8-9 2005.
85. Delivered a lecture on New Technology and Labour, in the research Methodology course held in National labour Institute, New Delhi, December 6, 2004.
86. Enabling SMEs to Survive under Globalization: Can ICTs help? Presentation made at National Productivity Council during the National Productivity fortnight celebrations, NPC New Delhi, 24 February 2004.
87. Delivered a lecture on the Role of ICT in Transforming Indian Economy for the In-service Training Programme for IAS officers (17-20 years of seniority) at the Lal Bahadur Shastri National Academy of Administration, Mussoorie on 30th June 2004.
88. Perils of Excessive Export Orientation: The Case of India's ICT Sector, presented in the seminar on Indian Development organized jointly by the School of Public Policy at George Mason University and the Department of Management Studies, Indian Institute of science, Bangalore March 3-5, 2003.
89. Moving up or lagging behind in Technology: An Analysis of India's ICT Sector, paper presented in the International seminar on ICTs and Indian Development, jointly organized by ISS, The Hague and the IHD, New Delhi, 9-11 December 2002, Bangalore.
90. IT Factor in Globalization, Pandit Hridaynath Kunjru Memorial Lecture delivered at the School of International Studies, JNU, New Delhi April, 18, 2002
91. Development of IT Industry in Kerala: Implications of Export biased Strategy of Development paper presented in the Seminar on Globalization and Kerala's Resistance National Seminar Organized by the AKG Centre, Trivandrum, 17-18 march 2001, in Memory of EMS Naboothirippad.
92. IT Boom and its Implications on R&D, paper presented in the National Seminar on Prospects for Industrial R&D in India under Globalization, Organized by IIT, Kanpur.
93. Structure and Growth of India's IT Exports: Implications of an Export Oriented Strategy, Seminar presented in NISTADS, New Delhi, February 28, 2001.
94. Limits to Innovation with Strong Export Orientation: The Case of Indian Information Communication Technology Sector (Jointly with Prof Ashok Parthasarathi), paper presented in a workshop organized by Pennsylvania Centre for Advanced study of Indian Economy New Delhi.
95. This paper was also presented in the ECIS conference held during Sept 20-22 in Eindhoven University and the Development Convention organized by the Madras Institute of Development Studies during November 2-3, 2001.

96. Technology Import under Economic Liberalization: An Exploration into India's Technology Transfer from Japan and US. This paper was presented in a workshop organized by the School of International Studies, JNU, 18 March, 2001
97. Discussant of two papers on Indian Software Industry; one by Prof Ashok V Desai and another by Dr Antony P D'Costa in a workshop on The Indian Software Industry in a Global Context, Indian Institute of Management, Ahmedabad, August 24-25, 2001.
98. IT Boom, The Economy and the Labour, paper presented in the VV Giri National labour Institute New Delhi, on September 12, 2001.
99. Slip between the Cup and the Lips: An Analysis of the Approved and Realized FDI in India highlights the factors that determine FDI fructification. This paper was presented in a workshop organized by CUTs Jaipur on Competition, Regulation & Investment: Role in Economic Growth held in Chennai on 8-9 June 2002. Relevance of Research and Development in an Era of Globalization, Key note Address delivered at National Science Day- 2000, NSS College, Pandalam.
100. Limits to Growth under Export Orientation: Innovation Diffusion Failure in the Export oriented Sectors in Kerala, Paper Presented at the National Seminar on Kerala in the World Economy, Mahatma Gandhi University, Kottayam, 25-26 February, 2000.
101. Stagnation and Revival of Kerala Economy: An Open Economy Perspective, A paper presented at the National Seminar on Kerala in the World Economy, Mahatma Gandhi University, Kottayam, 25-,26 February, 2000.
102. Industrial Development under Decentralization: Experience of Manjeri, Kerala., Paper presented at the workshop on Industrial Development under Decentralization. Organized by Kerala State Planning Board, Trivandrum, 1-2 March 2000.
103. Industrial Strategy for the District Plan, A paper presented at the Work shop on Formulation of Methodology for District Plans, State Planning Board, Kerala, 24-25 September, 1999.
104. Foreign Forms and Export Performance, New Empirical Evidence from Indian Industry, paper Presented at the national seminar on Globalization and Export Performance, organized by the John Matthai Center, Trichur 13 -14 March 2000.
105. Regional Implications of Globalization: An analysis with special reference to Kerala, A Paper Presented at the Work shop on The Kerala Model of Development: Towards a Political Economy of Incentives, Shastri Indo Canadian Institute, August 12 -13, 1999.
106. India Sri Lanka Free Trade Agreement and its Impact on Kerala Economy, a paper presented at the national seminar on India's Trade Policy Reforms and Its Impact on Kerala Economy, organized by the St Berchmans College, Changanacherry, March 25-28, 1999.

107. Trade Policy Reforms and External Sector Performance, a paper presented at the national seminar on India's Trade Policy Reforms and its Impact on Kerala Economy, organized by the St Berchman's College, Changanacherry, March 25-28, 1999.
108. Foreign Direct Investment under Liberalization, a paper presented at the National seminar on Globalization organized by the Institute of Management in Government 23-24 Feb 1999.
109. India's External Sector Under Economic Liberalization, Paper presented in the Seminar on Economic Reforms in India Organized by the Indian Committee for Indo-Japan Collaboration in Social Sciences and Humanities, December 1998, ICSSR New Delhi.
110. Growth of Electronics Components Industry in India: A Comparative Analysis with Auto Components, a Background Paper presented at the ELCINA meeting held at Cochin on 6 December 1997.
111. On Promoting an Export Oriented Commercial Cultivation in an Era of Globalization: A presentation before the Chairman and Staff of Spices Board Cochin, 16 February 1998.
112. Indian Electronics Industry under Globalization, a paper presented at the workshop on Structure of Indian Industry organized by IGIDR, Bombay, 20-21 November, 1998.
113. Technology Licensing in Indian Industry: An econometric analysis of the Choice of Partners, Terms of Contract and the effect on Licensees, presented in a seminar organized by the Ford Foundation November 1998, NIPFP, New Delhi
114. Towards a New Paradigm for Industrial Development of Kerala Keynote Address Delivered at the Silver Jubilee Celebrations of SD College Alappuzha, October 7 1996.
115. Kerala's Industrial sector: Past Performance and Future Strategies, paper presented in the seminar on Kerala economy organized by the Department of Economics St. Aloysious College Trichur, 20 January 1995.
116. Understanding Technological Change in an Open Developing Economy, Two sessions in the Refresher Course in Economics for the College Lectures, Kerala university, 17-18 March 1995.
117. Structural Adjustment in India: A Review of Recent Studies and Issues for Further Research, paper presented in the National Seminar on Economic Reform Organized by the Department of Economics, University of Kerala on 14 July, 1994.
118. Foreign Control and Export Intensity of Firms in Indian Industry, paper presented at the sixth Indian Statistical Institute Conference on Theory and Policy during 17-19 January 1994 ISI, New Delhi
119. Ecologically Sustainable Industrial Development: Towards a Technological Perspective, in the seminar on Strategies for Ecologically Sustainable Economic

Development, Organized by Center of Science & Technology for Rural Development and Department of Economics, University of Calicut, 21-22 February 1994

120. New Industrial Policy and the Small Scale Electronics Units, a paper presented in the work shop on The Impact of New Industrial policy on Small Scale Units, held at Entrepreneurial Development Institute of India Ahmedabad, 2-3 November, 1993
121. Emerging Trends and Patterns in Service Trade: A comparative analysis of India, South Korea and Brazil, a paper presented in the National seminar on Trade and Financial sector Reforms, organized by National Institute of Bank Management Pune, 19-21 October, 1993.
122. Technology, Trade and Product Structure: A Conceptual Frame with a Case Study of Indian Electronics A paper presented in the National seminar on Manpower and employment Implications of Economic Restructuring, organized by the Planning Commission and Institute of Applied Manpower Research, New Delhi, 3-4 December, 1992.
123. On the Determinants of Current Account Deficits: A Comparative Analysis of India, China and South Korea, Paper Presented at the 1992 Meeting of the South East Asia Econometric Society, at Indira Gandhi Institute of Development Research, Bombay, 19-21 December 1992
124. Output Growth Technology Behavior and Employment: A case of Indian Electronics in the Eighties a paper presented in International workshop on New Technology, labor Market and labor response, organized by the Center for Studies in Social Sciences, Calcutta Oct 6-8, 1991
125. Foreign Collaboration and R&D in Indian Electronics, a paper Presented at the National Seminar on Technology Management organized by the National productivity Council, New Delhi 27-30 August 1990
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