

KANHAIYA SINGH

EDUCATION:

Ph.D. (Economics) : 2002 Australian National University, ACT 0200, Canberra, Australia
MBA : 1993 R.A. Poddar Institute of Management, Rajasthan University, Jaipur, India
B. Tech. : 1980 Indian School of Mines Dhanbad, India

AREAS OF RESEARCH WORK:

Research experience across several verticals including Social Sector, Central Banking, Money and Finance; Agriculture & Food Security; Industry and Manufacturing; Public Sector; International Trade; Global Financial System and imbalances; Energy and Environment; National Accounts, Growth and Development; Services Sector including Health, Education, and Urban Development; Natural Resources and Sustainable Development; Defence Economics; Program Evaluation etc.

SKILLS AND TOOLS:

Work profile involves rigorous data analytics based inference, forecasting, and policy prescription. This includes macroeconomic modelling and analysis; Social/ Cost Benefit Analysis and Project Appraisal; Applied Econometrics; Forecasting; Input-Output analysis; Application of Social Account Matrix (SAM); Multiplier Analysis; Limited Dependent Variable Models; Instrumental Variable Models; Non-parametric Estimations; Time Series and Panel data Regressions; Marketing Mix Modelling; Discrete Choice Models (Multinomial/ Probit & Logit); Difference-in Difference technique; Propensity Score Matching; Linear Programming techniques; Principal Component Analysis and other econometric tools; etc.

Experience of working with International, National and Micro datasets, which includes corporate databases like Bloomberg and CEIC database; Socio-Economic and Macroeconomic Data bases maintained by international organization such as World Bank, International Monetary Fund, United Nations, World Health Organization, World Trade Organization, Organisation for Economic Co-operation and Development, Asian Development Bank, Bank of International Settlements, National Bureau of Economic Research, United States Bureau of Economic Analysis, Food and Agriculture Organization; official time series and cross section data of government agencies including Central Banks, Central Statistical Organizations, National Sample Survey, Census; Country datasets like CMIE database, capital line, etc.

CURRENT JOB PROFILE:

Centre for Global Development Research Private Limited (CGDR) was established in the year 2005 under the name of CG Research Private Limited, which after considering its global objectives, was rechristened as "Centre for Global Development Research Private Limited" in the year 2010. CGDR is registered under the Companies Act 1956. However, profit is not the main motive of the company. Its mission is to undertake high quality research for development. As the director of the institute, the responsibility is one of the highest orders, which includes developing project proposals, leading projects and delivery of reports to the satisfaction of clients, while maintaining high level of analytical rigor in confirmation with international standards. Most of the projects at CGDR involve quantitative analysis of large-scale primary surveys data

and secondary data using econometric techniques. These projects are sponsored by international organization universities, donor countries, embassies, etc.; departments of government of India and state governments; multinational organizations; Industry Associations; and business houses.

CHRONOLOGY OF WORK EXPERIENCE/ AFFILIATIONS:

Total Experience: 30+ years

Period	Last Position	Organisation	Nature of Work
<u>10-10-2018 -onwards</u>	Director	<u>Centre for Global Development Research Private Limited, New Delhi</u>	Policy oriented socio-economic Research, Data Analytics, Consultancy Projects, Policy Outreach and Knowledge dissemination
<u>20.09. 2002 – 09-10-2018</u> (up to 13.03.06 on deputation basis)	Senior Fellow	<u>National Council of Applied Economic Research, New Delhi- 110002 INDIA</u>	Policy oriented socio-economic Research, Data Analytics, Consultancy Projects, Policy Outreach and Knowledge dissemination
<u>07.05.1993 to 13.03.2006</u> (25.01.997 to 28.02.2002: study leave; and 20-09-2002 to 13-03-2006 on deputation)	Deputy Director	<u>Tariff Commission</u> (formerly Bureau of Industrial Costs and Prices (BICP)), Ministry of Industry and Commerce, Government of India	Techno-economic cost-price analysis and research for administered pricing and tariff fixation; Efficiency Norms with respect to consumption coefficients, capacity utilisation, cost reduction, technology absorption, energy conservation, pollution abatement and environment protection.
<u>JULY 1992 - MAY 1993:</u>	General Manager	<u>M/S SRG Computers (P) Ltd.,</u> Rajendra Marg Jaipur India.	Manufacturing electronic modules for communication and computer industries
<u>AUG 1989 - JUNE 1992:</u>	Manager (Operations)	<u>M/S Sierra Micro Electronics Ltd.,</u> Sirsi Bindayaka road Jaipur India	Manufacturing computer peripherals
<u>AUG1980 - AUG 1989</u>	Senior Mechanical Engineer	<u>Hindustan Copper Ltd</u> Khetrinagar, Rajasthan India (a Government of India Enterprise)	Design, development and technical assistance in project expansion, planning, and improvements in operational efficiency

VISITING FELLOW:

Foundation for Advanced Studies on International Development (FASID)/ GRIPS, Tokyo (March 2003, September 2007, February 2009).

COUNTRIES VISITED/ WORKED:

Australia, United States, Japan, France, China, South Korea, Singapore, Thailand, Philippines

COMMITTEES AND OTHER MEMBERSHIPS:

1. Member, Expert Group on Estimation of Savings and Investment through Household Survey, Central Statistical Organization, Government of India 2013-17
2. Member, Pricing Cell for fixing Minimum Support Price for Minor Forest Product, TRIFED, Ministry of Tribal Affairs 2013-onwards
3. Member, Working Group for Development of Methodology for compilation of All India Index of Industrial Production (IIP), Ministry of Statistics and Programme Implementation, National Statistical Organization, Government of India, 2012
4. Member, Standing Committee on Industrial Statistics (SCIS), Ministry of Statistics and Programme Implementation, National Statistical Organization, Government of India, 2012-2015

5. Member, Working Group for Cement Industry, 12th Five Year Plan of India (2012-13 to 2017-18)
6. Member Committee of Experts to Examine Revised Project Cost for Assam Gas Cracker Project 2011.
7. Member, Working Group on Macroeconomic Issues in Bihar's Eleventh Five Year Plan Strategies
8. Member, Sub-Group On Inflow of Foreign Savings: Eleventh Five-Year Plan (2007-08 to 2011-12), Government of India
9. Expert member on panel of Union Public Service Commission (UPSC), Government of India
10. Indian Economic Society (Life member).
11. Indian Society of Labor Economics (Life member)
12. The Indian Econometric Society (Life member: L/2273/2004-05)
13. Indian Association for Research in National Income and Wealth (Life Member)
14. Uttar Pradesh- Uttarakhand Economic Association (Life Member)

SCHOLARSHIPS AND AWARDS:

1. Australia Development Co-operation Scholarship (ADCOS), under Aus-AID program for doing research leading to PhD in Economics: 1997-2002
2. National Scholarship of Government of India for pursuing Bachelor of Technology Degree during 1975-1980.
3. Gold Medal for best academic performance in specialized branch of engineering course of 'mining machinery' leading to the degree of bachelor of technology (B. Tech).

EDITORIAL BOARD MEMEBRE FOR JOURNALS:

1. The Journal of Income and Wealth: Indian Association for Research in National Income and Wealth

REFEREE FOR JOURNALS:

1. World Development
2. Economic Modelling
3. Singapore Journal of Economics
4. International Journal of Social Economics
5. Journal of Quantitative Economics
6. Journal of Scientific and Industrial Research
7. Journal of Asian Economy
8. Margin, The Journal of Applied Economics Research
9. India Policy Forum
10. Macroeconomics and Finance in Emerging Market Economies

THESIS EXAMINER:

1. Ph.D. Thesis examination for Madras University, Tamil Nadu India
2. Ph.D. Thesis examination for Australian National University, Canberra Australia
3. Ph.D. Thesis examination for Birla Institute of Technology (BIT), Pilani, India

RECENT ENGAGEMENTS WITH INTERNATIONAL ORGANIZATIONS (INSTITUTIONAL/ JOINT/ INDIVIDUAL/)

Sl No.	International Organization	Period	Activity
1	Asian Development Bank: (ADB) and Earth Institute Columbia University	2015-16	Member: The 7th International Policy Advisory Group Meeting 3–4 August 2015, Manila, Philippines: Green Development
2	World Health Organization	2015-16	Advisor: WHO Budget Allocation Models
3	Asian Development Bank: (ADB) and Earth Institute Columbia University	2011-12	Member: Working Group on “Policies to Meet Global Economic Challenges- Asia's Perspective”
4	Asian Development Bank: (ADB) and Earth Institute Columbia University	2009-10	Member: Working Group on “The Future Global Reserve System—An Asian Perspective”
5	Department for International Development (DFID), British High Commission India	2009-10	Review of Macroeconomic Model of Madhya Pradesh, India
6	FASID, Tokyo	2008-09	Research Paper: Impact of globalization on employment and poverty reduction in India: The case of emerging 'Big Shopping Malls and Retailers' in India'
7	FASID, Tokyo	2007-08	Research Paper: Role of Institution and Policies for performance assessment of Self Help Groups in the state of Uttarakhand
8	International Monetary Fund (IMF)	2004-05	<u>Research Paper</u> : India's Growth Experience (published as book chapter)
9	International Monetary Fund (IMF)	2005-06	Research Paper: Domestic Financial Liberalisation and International Financial Integration: An Indian Perspective (published as book chapter by IMF)
10	Brookings Institution and NCAER Joint Research Program	2005-06	Research Paper: How Applicable Is the Inflation Targeting Framework (ITF) for India
11	Asian Development Bank (ADB) – TA4066	2004-05	Research Paper: Does Composition of Government Budget Matter to Economic Activity
12	Asian Development Bank (ADB) – TA4066	2004-05	<u>Co-ordination and preparation of synthesis paper</u> for ADB program on 'Macroeconomic Management and Government Finances'
13	Canada International Development Agency (CIDA)	2004-05	Assessing State-Level- Economic Performance in India: Developing Econometric Model for the State Economies
14	Canada International Development Agency (CIDA)	2003-05	Management of Grant to support certain aspects of institutional strengthening at NCAER
15	Department of Foreign Affairs and Trade (DFAT), Government of Australia	2001	Background Paper as Mining and Trade Consultant for the report 'India: New Economy. Old Economy' launched on 3 December 2001 by DFAT, Australia

RECENT REPORTS AND PUBLICATIONS BY AREA OF RESEARCH:

A. International Monetary System and Reforms

Book Chapters

1. Singh, Kanhaiya 2017 (Forth coming) 'the role of Corruption in Global Imbalances and Inflation', Earth Institute and Asian Development Bank
2. Singh, Kanhaiya 2015 (Forth coming) 'The Changing Dynamics between United States and Other Nations is Making the Dollar-Based Reserves System Unsustainable' in Wing Thye Woo, Masahiro Kawai, Jong-Wha Lee, Jeffrey Sachs (eds), *A New Global Reserve System for a Transformed Global Economy*, MIT Press
3. Singh Kanhaiya (forth coming), Global imbalances and Reserve Currency: an Analysis for the United States, in (to be decided), *The Global Economy in Uncertain Waters: Question Marks over Fiscal Sustainability, Financial Stability, Structural Adjustment, and the Global Environmental Agenda*, Earth Institute and Asian Development Bank.
4. Singh, Kanhaiya 2010 'Reforming International Monetary System' in Jeffrey D. Sachs, Masahiro Kawai, Jong-Wha Lee, and Wing Thye Woo (eds), *The Future Global Reserve System- An Asian Perspective*, Asian Development Bank, URL: <http://aric.adb.org/grs/papers/Singh.pdf>

5. Bery, Suman and Singh, Kanhaiya 2006 'Domestic Financial Liberalisation and International Financial Integration: An Indian Perspective', in J. Aziz, S. Dunaway and E. Prasad (eds) *China and India: Learning from Each Other*, Washington, DC: International Monetary Fund

B. Monetary and Fiscal Policy

Reports

1. 2014, 'Unaccounted Income and Wealth, Both inside and Outside India', Sponsored by the Ministry of Finance (Project Leader)
2. 2006, Draft Report of the Sub-Group on Inflow of Foreign Savings: Eleventh Five-Year Plan (2007-08 to 2011-12), Government of India (member of the sub-group led by R.C. Srinivasan, URL: http://planningcommission.nic.in/aboutus/committee/wrkgrp11/sub_forsav.pdf)
3. 2003, Study on Economics and Social Benefits of the Bhatinda Refinery Project, Hindustan Petroleum Corporation Limited (Joint Project Leader).
4. 2003, State Level Reforms: Chhattisgarh Development Report, Planning Commission Government of India (Project Leader).
5. 2003, Macroeconomic Analysis: Chhattisgarh Development Report, Planning Commission Government of India (Project Leader).
6. 2003, Study of State Finances: Chhattisgarh Development Report Planning Commission Government of India (Project Leader).
7. 1997, Co-authored Bureau of Industrial Costs and Prices (BICP) report on coal pricing (1997) for Maharashtra State Electricity Board, State Government of Maharashtra, India.
8. 1996, Co-authored Coal Report (1996) of BICP (now Tariff Commission), which is a voluminous document on comprehensive cost, price, environment and efficiency study on coal sector of India.

Journal Article

1. Singh, Kanhaiya and Kalirajan, K. P. 2007, 'Monetary Policy in India: Objectives, Reaction Function and Policy Effectiveness', *Review of Applied Economics* Vol 2(2).
2. Singh, Kanhaiya and Kalirajan, K. P. 2007, 'Monetary transmission in the post-reform India: An Evaluation', *Journal of Asia Pacific Economy*, Vol 12(2): 158-187.
3. Singh, Kanhaiya and Kalirajan, K. P. 2007 'The Inflation-Output Gap Nexus: Case of India', *Journal of World Economic Review*, Volume 2 (1), 25-40
4. Singh, Kanhaiya 2006 'Inflation Targeting: International Experience and Prospects for India', *Economic and Political weekly* (July 8-15): 2958-2961
5. Sheetal K. Chand and Kanhaiya Singh (2006) 'How Applicable Is the Inflation Targeting Framework (ITF) for India?' *The India Policy Forum 2005, Volume 2*, Brookings-NCAER Journal
6. Singh, Kanhaiya and Kalirajan, K. P. 2003 'The Inflation-Growth Nexus in India: An Empirical Analysis', *Journal of Policy Modelling*, 25, 377-396
7. McKibbin, W. J. and Singh, Kanhaiya 2003, 'Issues in the Choice of a Monetary Regime for India', *Brookings Discussion Papers in International Economics* No. 154, September

Book Chapters

1. Kalirajan, K. P., Bhide S. and Singh Kanhaiya 2010, Lessons from Pattern of Development Performance across Indian States: the Role of State in Keijiro Otsuka and K.P. Kalirajan (eds) Papers in the Honour of Professor Yujiro Hayami, Palgaves
2. Bery, Suman and Singh, Kanhaiya 2007 (forthcoming), A Century of Monetary Policy Making in India', in Suman Bery, Surjeet Bhalla, Rakesh Mohan and (eds) *Applied Economic Research in Independent India: NCAER Golden Jubilee Volume*, SAGE Publication
3. Singh, Kanhaiya (2007 & 2011), 'Oil' in Kaushik Basu (eds.), *The Oxford Companion to Economics in India*, New Delhi, Oxford
4. Bhide, S. and Singh, Kanhaiya (2009), 'Does Composition of Government Budget Matter to Economic Activity?' in Asian Development Bank, Macroeconomic Management and Government Finances, Oxford University Press, New Delhi (88-130).
5. Singh, K. and Kalirajan, K. P. 2003, 'An Empirical Analysis of Monetary transmission in India', in K. P. Kalirajan and U. Sankar (eds) *Economic Reform and the Liberalization of the Indian Economy: Essays in Honor of Ric Shand*, Cheltenham, UK: Edward Elgar.
6. McKibbin, W. J. and Singh, Kanhaiya 2003, 'Issues in the Choice of a Monetary Regime for India', in K. P. Kalirajan and U. Sankar (eds) *Economic Reform and the Liberalisation of the Indian Economy: Essays in Honour of Ric Shand*, Cheltenham, UK: Edward Elgar.
7. McKibbin, W. J. and Singh, Kanhaiya 2003, 'Issues in the Choice of a Monetary Regime for India', in Raghbendra Jha (eds) *Indian Economic Reforms*, England, Palgrave Macmillan.

Working Papers & Other articles

1. Singh, Kanhaiya, (2013), Budget Deficit and National Debt: Sharing India Experience, ASARC Working Paper 2013/08, Crawford School of Public Policy The Australian National University, Canberra, URL: https://crawford.anu.edu.au/acde/asarc/pdf/papers/2013/WP2013_08.pdf
2. Kanhaiya Singh, (2012) Comments on 'Explaining Inflation in India: The Role of Food Prices' by Ms Prachi Misra and Devesh Roy, India Policy Forum, Volume 8, Sage New Delhi, 213-217
3. Singh, Kanhaiya 2006 Comment in M. Govinda Rao 'Mid-Year Review of the Indian Economy 2005-06', New Delhi, Shipra Publications in association with IIC/MEAT, 183-189.

C. Social Sector, Development, Growth and Employment

Reports

1. 2017, Estimates of Potential Employment from Proposed Investment during 2015-20 by the Indian Railways, Ministry of Railways (Project Leader)
2. 2011, Socio-Economic Analysis of Slums Population in Delhi and Alternative Strategies of Rehabilitation, Study directed for Centre for Global Development Research New Delhi under Research Grant from the **Planning Commission** of India (Study Director-Voluntary).
3. 2010, A Comprehensive Economic Analysis of Defence Research and Development Organisation (**DRDO**), **Government of India** (Project Leader)
4. 2008, Economic Analysis of Defence Research and Development Organisation (**DRDO**), **Government of India** (Project Leader)
5. 2007, Framework for assessing Performance of Defence Research and Development, **Ministry of Defence** (Project Leader)
6. 2005, State Level Macroeconomic Modelling: Assessing State-Level- Economic Performance in India: Developing Econometric Models for State Economies (Project Leader). Sponsored by the **Canadian International Development Agency** (CIDA)

- 2004, IT Spending: Potential and Prospects for Indian States, E-Readiness Assessment Report 2004, **Department of Information Technology, Government of India**
- 2004, Drivers of IT spending in Indian market: An aggregated time series analysis, E-Readiness Assessment Report 2004, **Department of Information Technology, Government of India**

Books

- Singh, Kanhaiya (eds) 2009 *Uttarakhand Development Report*, Planning Commission, Government of India, Delhi, Academic Foundation. URL: http://planningcommission.nic.in/plans/stateplan/sdr/sdr_uttarakhand1909.pdf
- Singh, Kanhaiya (eds) 2006 *Uttar Pradesh Development Report* (Volume 1&2), Planning Commission, Government of India, Delhi, Academic Foundation. URL: http://planningcommission.nic.in/plans/stateplan/index.php?state=sdr_up.htm

Journal Article

- Kanhaiya Singh and Kaliappa Kalirajan (2015), towards a slum free city-strategies and policies: The case of Delhi, *Journal of Social and Economic Development*, Vol.17 Issues 1, pages 66-89.
- Singh Kanhaiya and R.P. Katyal, (2014), Domestic Product at Current and Constant (2004-05) Prices in India: Issues in Estimation of Communication Sector, MPRA Paper No. 68169. URL: https://mpra.ub.uni-muenchen.de/68169/8/MPRA_paper_65980.pdf
- Kalirajan, Kaliappa and Kanhaiya Singh (2013), Understanding Sectoral Economic Growth in India: The Potential for Services', *Institutions and Economies*, Vol 5 No.1, pages 91-112
- Kalirajan, Kaliappa and Kanhaiya Singh (2010) 'Impact of Big Shopping Malls and Retailers on Employment and Consumer Prices in India', *Journal of International Economics*, Vol. 1 No.2, pages 43-58
- Kalirajan, Kaliappa and Kanhaiya Singh (2010) 'Policy Brief 22: Economic Liberalization Strategies and Poverty Reduction Across India', *Asia Pacific Economic Literature*, May 2010
- Kalirajan, Kaliappa and Kanhaiya Singh (2010) 'Economic Liberalization Strategies and Poverty Reduction Across Indian States', *Asia Pacific Economic Literature*, Vol. 24 No.1, pages 26-42
- Kalirajan, Kaliappa and Kanhaiya Singh (2009) 'The Pace of Poverty Reduction across the Globe: An Exploratory Analysis', *International Journal of Social Economics*, Vol. 36 No.6, pages 892-705

Book Chapters

- Singh, Kanhaiya, Bery Suman, 2005, 'India's Growth Experience', in Wanda Tseng and David Cowen (eds), *India's and China's Recent Experience with Reform and Growth*, IMF and Palgrave-Macmillan (23-58). URL: <http://www.imfbookstore.org/ProdDetails.asp?ID=icreea2>

Working Papers & Other articles

- Singh Kanhaiya and M.R. Saluja 2016, Input Output Table for India: 2013-14, Working Paper WP111, National Council of Applied Economic Research, New Delhi. URL: http://www.ncaer.org/publication_details.php?plD=274
- Kanhaiya and R.P. Katyal, (2015), Domestic Product at Current and Constant (2004-05) Prices in India: Issues in Estimation of Communication Sector, NCAER Working Paper 20014-15. URL: http://www.ncaer.org/publication_details.php?plD=246
- Kaliappa Kalirajan, Kanhaiya Singh 2013, 'Corporate Retail Outlets are Blessings in Disguise for Unorganized Retail Outlets: An Empirical Analysis in the Indian Context' ASARC Working Paper 2013/04, Crawford School of Public Policy The Australian National University, Canberra, URL: https://crawford.anu.edu.au/acde/asarc/pdf/papers/2013/WP2013_04.pdf
- Kaliappa Kalirajan, Kanhaiya Singh (2012), Self Help Group-Banking-Poverty Reduction Nexus: A Case Study of Uttarakhand State, India, ASARC Working Papers: 2012-02. Australian National University, Australia South Asia Research Centre
URL: http://www.crawford.anu.edu.au/acde/asarc/pdf/papers/2012/WP2012_02.pdf

5. Kaliappa Kalirajan, Kanhaiya Singh, Shandre, Thangavelu, Anbumozhi Venkatachalam, and Kumidini Perera (2011), Climate Change and Poverty Reduction—Where Does Official Development Assistance Money Go? ADBI Working Paper Series No. 318, November 2011, the Asian Development Bank, URL: <http://www.adbi.org/files/2011.11.04.wp318.climate.change.poverty.reduction.dev.money.pdf>
6. Kalirajan, K.P. and Kanhaiya Singh 2009, The Impact of Globalization on Employment Generation in India: The case of emerging 'Big Shopping Malls and Retailers' ASARC working papers ASARC WP 2009/18, the Australian National University URL: http://rspas.anu.edu.au/papers/asarc/WP2009_18.pdf
7. Singh, Kanhaiya 2006 Comment in M. Govinda Rao 'Mid-Year Review of the Indian Economy 2005-06', New Delhi, Shipra Publications in association with IIC/MEAT, 183-189.

D. Trade and Foreign Investment

Reports

1. 2000, Team member for the report: 'Enhancing the Trade and Investment Environment in the Indian Ocean Rim (IOR)' prepared by the Australia South Asia Research Centre, the Australian National University for **Department of Foreign Affairs and Trade, Government of Australia** (www.dfat.gov.au)

Journal Article

1. Kalirajan, Kaliappa and Kanhaiya Singh (2008) 'A Comparative Analysis of China's and India's Recent Export Performances', *Asian Economic Papers*, 2008, vol. 7, issue 1, pages 1-28
2. Singh, Kanhaiya and Kalirajan, K. P. 2006, 'India and the WTO's Agreement on Agriculture (A-o-A)' *Indian Economic Journal* Vol.53 No. 4

Book Chapters

1. Kaliappa Kalirajan, Yaqi Wang, Miaojie Yu, Kanhaiya Singh (2013) China and India: A Comparative Analysis Of Trade And Investment Performance, in Shiro Armstrong and Peter Drysdale (eds.), Routledge URL: http://mjyu.ccer.edu.cn/EABER_Routledge%20chapter_2.pdf

E. Industry, Environment and Infrastructure

Reports

2. 2017, Estimates of Potential Employment from Proposed Investment during 2015-20 by the Indian Railways, Ministry of Railways (Project Leader)
3. 2016, 'Study on Economic Impact of Indira Gandhi International Airport', Sponsored by the Delhi International Airport Limited (DIAL) (Project Leader)
4. 2012, Estimation of Status of Degraded Forest in the Impact Area of Indira Sagar Project and Cost of Afforestation of such Degraded Forest in Madhya Pradesh. Projected submitted to Narmada Valley Development Authority, Government of Madhya Pradesh, India (Project Leader)
5. 2011, Expert Committee Report on Revised Project Cost for Assam Gas Cracker Project submitted to Ministry of Chemicals & Fertilizers (MoCF), Government of India.
6. 2011, Study on Cable TV network and distribution in the small towns of Bihar and Orissa states of India covering over 60,000 households. Sponsor: STAR and STAR DEN (Project Leader)
7. 2005, A Comprehensive Study of Demand for Cement (Project Leader). Sponsored by the National Council of Cement and Building Materials and the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
8. 2003, Study on Economics and Social Benefits of the Bhatinda Refinery Project, Hindustan Petroleum Corporation Limited (Joint Project Leader).

- 2001, Mining and Trade Contribution for the report 'India: New Economy. Old Economy' launched on 3 December 2001 by Economic Analytical Unit, Department of Foreign Affairs and Trade, Government of Australia (www.dfat.gov.au).

Journal Article

- Kalirajan, Kaliappa and Kanhaiya Singh (2010) 'Impact of Big Shopping Malls and Retailers on Employment and Consumer Prices in India', *Journal of International Economics*, Vol. 1 No.2, pages 43-58
- Singh, Kanhaiya and Kalirajan, K. P. (2004) 'A Decade of Economic Reforms in India: the Mining Sector', *Resource Policy*, 29 (3-4), 139-51
- Singh, Kanhaiya 2003 'Automotive industry: Perspectives and strategy', *Margin*, 35(2), 69-86

Book Chapters

- Kaliappa Kalirajan and Kanhaiya Singh (2015), Strategic Decision Making: The Case of the Displaced Unorganized Retail Firms by the Organized Corporate Businesses in India, in Kazuhiro Ohnishi (eds.), *Firms' Strategic Decisions: Theoretical and Empirical Findings*, Volume 1, Pp. 229-244 (16), Bentham Science, Beijing
- Kalirajan, K. P., Venkatachalam Anbumozhi and Singh Kanhaiya 2010, Measuring the Environmental Impacts of Changing Trade Patterns on the Poor in Armin Bauer and Myo Thant (eds) *Poverty and Sustainable Development in Asia: Impacts and Responses to the Global Economic Crisis*, The Asian Development Bank Manila and the Asian Development Bank Institute Tokyo. URL: <http://www.adb.org/documents/books/poverty-sustainable-development/default.asp>
- Singh, K., Sharma, R. and Venkataramna, Y. (2005), Cement Demand in Unconventional sector: Potential in Road Sector, in NCB Special Publication *Globalisation of Indian Cement and Construction Industries*, the National Council of Cement and Building Materials, India (27-60).

Working Papers & Other articles

- Kaliappa Kalirajan, Kanhaiya Singh 2013, 'Corporate Retail Outlets are Blessings in Disguise for Unorganized Retail Outlets: An Empirical Analysis in the Indian Context' ASARC Working Paper 2013/04, Crawford School of Public Policy The Australian National University, Canberra. URL: https://crawford.anu.edu.au/acde/asarc/pdf/papers/2013/WP2013_04.pdf
- Kaliappa Kalirajan, Kanhaiya Singh, Shandre, Thangavelu, Anbumozhi Venkatachalam, and Kumidini Perera (2011), *Climate Change and Poverty Reduction—Where Does Official Development Assistance Money Go?* ADBI Working Paper Series No. 318, November 2011, the Asian Development Bank, URL: <http://www.adbi.org/files/2011.11.04.wp318.climate.change.poverty.reduction.dev.money.pdf>
- Kalirajan, K.P. and Kanhaiya Singh 2009, The Impact of Globalization on Employment Generation in India: The case of emerging 'Big Shopping Malls and Retailers' ASARC working papers ASARC WP 2009/18, the Australian National University
URL: http://rspas.anu.edu.au/papers/asarc/WP2009_18.pdf

CONFERENCE PAPERS, SPECIAL SEMINARS AND COMMENTS (UNPUBLISHED/ UNDER PUBLICATION)

- Singh Kanhaiya & M.R. Saluja (2017), 'Input–Output Table for India 2013-14: based on New Series of National Accounts Statistics and Supply Use table', Paper presented at a conference organised by Indian Association of Research in National Income and Wealth (IARNIW), Jaipur Conference from 15-17 March 2017
- Singh Kanhaiya (2015), 'Green Development of India: Need of the Hour', paper presented at ADB conference on Asia's Growth and Development Challenges after the Global Financial Crisis: Promoting Green Development Initiatives, conference organized by the ADB and The Earth Institute Columbia University at the ADB Auditorium, ADB Headquarters Manila August 3-4, 2015. URL: <https://aric.adb.org/images/ipag2015/S6%20Singh.pdf>

3. Singh Kanhaiya and R.P. Katyal, (2014), Domestic Product at Current and Constant (2004-05) Prices in India: Issues in Estimation of Communication Sector, Paper presented at a conference organised by Indian Association of Research in National Income and Wealth (IARNIW), held on 6-7 March 2013 at Ahmedabad
4. Singh Kanhaiya (2013), Green Growth and Surface Water Management: The case of Rivers Ganga and Yamuna in India, paper presented at the International Conference on Rethinking Environmental Future in Asia Pacific Region, Achieving Green Growth in the Asia-Pacific: A Myth or Reality? At the Research School of Asia and Pacific, the Australian National University (ANU) Canberra, held on November 14-15, 2013
5. Singh Kanhaiya (2013), 'Towards Slum-Free City – Strategies and Policies: The Case of Delhi' at the 1st 2013 Asian Development Review Conference, Asian Development Bank Headquarters Manila, 25-26 March 2013
6. Kaliappa Kalirajan, Kanhaiya Singh 2013, 'Corporate Retail Outlets are Blessings in Disguise for Unorganized Retail Outlets: An Empirical Analysis in the Indian Context' at the 1st 2013 Asian Development Review Conference, Asian Development Bank Headquarters Manila, 25-26 March 2013
7. Singh Kanhaiya (2012), Global imbalances: The Role of Corruption, paper presented at the International Advisory Group Meeting, on Confronting the Challenge of Slow Growth and Sustainable Development, organized by the ADB & Earth Institute Columbia University, and the Import-export Bank Of Korea, And The Korea Development Institute, December 03-04, 2012
8. Singh Kanhaiya (2012), Global imbalances and Reserve Currency: an Analysis for United States, paper presented at the International Advisory Group Meeting, ADB & Earth Institute Columbia University, on June 13-14, 2012, at the Columbia University, New York.
URL: <http://earth.columbia.edu/ipag/sitefiles/file/New%20York%202012/Presentations/Singh.pdf>
9. Singh Kanhaiya (2011), G-20: Hopes and Challenges, paper presented at the International Advisory Group Meeting, ADB & Earth Institute Columbia University, on June 15-16,, 2011, at the Central University of Finance and Economics, Beijing, China.
10. Singh Kanhaiya (2011), Global Imbalances: Some Insights and Possible Remedies, paper presented at the International Advisory Group Meeting, ADB & Earth Institute Columbia University, on October 29-30, 2011, at the Institute of Sustainable Development and International Relations (IDDRI), Paris, France. URL: <http://earth.columbia.edu/ipag/sitefiles/file/Paris/Papers/Singh%20PPT%20final.pdf>
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