

Annual Report 2013–2014



सरकारी धर्मो धर्मः
Institute of Economic Growth

Institute of Economic Growth

ANNUAL REPORT

2013–2014



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About the Institute

The Institute of Economic Growth (IEG) is an autonomous, multidisciplinary centre for advanced research and training. Widely recognised as a centre of excellence, it is one of India's leading academic institutions in the fields of economic and social development. Established in 1952 by eminent economist VKRV Rao, it consists of a faculty of about 30 social scientists (economists, demographers and sociologists) and a large body of supporting research staff, focussing on emerging and often cutting-edge areas of social and policy concern. Many past and current faculty members are internationally renowned and award-winning scholars.

The Institute's research falls into nine broad themes:

- agriculture and rural development;
- environment and natural resource economics;
- globalisation and trade;
- industry and development;
- employment, labour and informal sector;
- macroeconomic analysis and policy;
- population and human resource development;
- health economics and policy; and
- social change and social structure.

In addition, the Institute organises regular training programmes for the trainee officers of the Indian Economic Service and occasional courses for other senior government officials and university teachers. The Institute's faculty members also supervise doctoral students from India and abroad, provide regular policy inputs, and engage with the government, civil society and international organisations. Over the years, IEG has hosted many renowned international scholars, including Nobel Laureates Lawrence Klein, Elinor Ostrom, Amartya Sen and James Heckman, and others such as Yujiro Hayami, Jan Breman, Ronald Herring, Nancy Folbre, Diane Elson and Nicholas Stern.

The Institute's major goals, as spelt out in its Memorandum of Association, are:

- to serve as an advanced centre for research and training in economics and allied subjects;
- to establish a fruitful exchange with distinguished scholars and learned bodies in India and abroad;
- to promote cooperative research within its own faculty and collaborative research with other institutions in India and abroad;
- to organise training courses and hold seminars for the benefit of the social science community and the development of the society;
- to undertake the publication of its research studies and disseminate them; and
- to conduct ad hoc investigation at the request of governments, organisations of employers, workers and peasants or of other bodies or persons interested in promoting a study of economic questions.

The faculty, board of directors and trustees of the IEG have included and continue to attract distinguished intellectuals and policy makers, including V.T. Krishnamachari, C.D. Deshmukh, P.N. Dhar, A.M. Khusro, Dharm Narain, C. Rangarajan, C.H. Hanumantha Rao, T.N. Madan, P.C. Joshi and Bimal Jalan. Several former faculty members have served as members of the Planning Commission or on the Prime Minister's Panel of Economic Advisors. Dr Manmohan Singh has had a long association with the Institute, initially as Chairman of the Board (1977–82) and since 1992 as President of the IEG Society. Nitin Desai is Chairman of the Board of Governors of the IEG and Manoj Panda is the Director.



From the Director's Desk: Highlights of 2013–14



The Institute of Economic Growth (IEG) conducts research and teaching on Indian economy and society. During 2013–14, IEG faculty continued their research as rigorously as in previous years, and specialised teaching and training of Indian Economic Service probationers and mid-career officers in economic techniques and policy analysis. They also supervised several PhD scholars.

The IEG faculty published six books, in the areas of economic growth, foreign investment, agriculture, investment, industry, and environment. More than 65 papers appeared in international and national professional peer-reviewed journals or as book chapters. A number of study reports and 15 IEG working papers were completed. This year, IEG began publishing its policy briefs again, after a hiatus—faculty members published eight policy briefs—and continued to bring out the tri-annual journal *Contributions to Indian Sociology*, which is published by SAGE publications. The faculty presented several research papers in various international and national seminars and conferences in India and abroad and delivered guest lectures in universities and institutes.



The IEG has had the tradition of inviting distinguished scholars to speak on subjects of their choice. This year, we had S V Subramanian (Harvard School of Public Health), Bhaskar Dutta (University of Warwick), Ronald Herring and Prabhu Pingali (both of Cornell University), Clive Bell (Heidelberg University), and the 2000 Nobel laureate in economics James Heckman (University of Chicago) deliver distinguished lectures at the IEG. The IEG has also had a tradition of the weekly seminar, where often relatively young scholars—invited or in-residence—share their current research with the institute’s scholars. We held 25 such seminars this year. We organised 10 conferences and workshops too, on issues such as productivity and the challenges of sustaining high growth, health inequality and the challenges of the NRHM, food security, evaluating the price support scheme for pulses and oilseeds, research methodology, sampling design and survey questionnaire of coordinated studies, and on revisiting the statistical database for improving Indian agriculture. We also organised a three-day, interdisciplinary conference on growth and social transformation. These visits, workshops and conferences were possible due to the Think Tank Initiative grant of the IDRC. Under ICSSR sponsorship, IEG faculty members organised workshops on social science approaches to urban studies and on methodological perspectives on caste and marginalisation.

During the year, Dr Samik Chowdhury and Dr Thiagu Ranganathan joined the faculty as Assistant Professors. They specialise in health economics and agricultural economics, respectively. Dr Nimai Das and Dr Seema Sangita joined the IEG as TTI Fellows at the level of Assistant Professor. We bade farewell to colleagues Mrs Shashi Agarwal, Mr Ganga Ram and Mr Tek Bahadur on their retirement. Four employees—Dr Sushil Kumar Sen, Dr P K Jain, Mr Ram Murat Tewari and Mr R Viswanathan—were felicitated on completing 25 years of employment with the IEG.

Prof P C Joshi, who was well known for his research on land reforms and peasant studies, and worked 30 years at the IEG and served four years as its director, passed away on 2 March 2014. A little over a month later, on 7 April 2014, the IEG lost another mentor when Professor Ashish Bose passed away. Professor Bose, who headed the Population Research Centre for many years, was widely considered India’s foremost demographer.

Faculty and staff celebrated Independence Day and Republic Day with enthusiasm. The national flag was hoisted, and cricket and volleyball matches were held between faculty and administrative staff. Campus children put up a lovely painting exhibition and cultural show. IEG founder VKRV Rao’s birthday was celebrated by planting trees in the lawn. The campus garden won more than 40 prizes in different categories at the University of Delhi annual flower show. Six book grants were given to children of employees by the Staff Welfare Committee.

These and other initiatives documented in this report provided an opportunity to IEG to serve society by contributing to the generation and dissemination of evidence-based policy research. We are hopeful of continuing on our growth path in coming years.

Manoj Panda



Prof James J Heckman, 2000 Nobel laureate in economics, delivering an IEG Distinguished Lecture on 'The Economics and Econometrics of Human Development' on 31 March 2014.



The audience at the lecture



(L-R) E Sridharan, Manoj Panda, and Bhaskar Dutta



(L-R) Clive Bell and Manoj Panda look on while Ramesh Govindaraj (Lead Health Specialist, South Asia Region, World Bank) speaks



RESEARCH ACTIVITIES: BRIEF OVERVIEW

The main thrust of IEG’s research is on the development of India’s economy and society. Faculty members work on both conceptual and empirical issues with strong policy relevance. The research programme is revised from time to time to incorporate new areas of interest. Many faculty members work on more than one theme, as below.

(i) Research Themes and Faculty Interests

Research themes (Alphabetically)	Faculty working on a given theme(s)
1. Agriculture and Rural Development	Prof. Bina Agarwal (on lien) Prof. Pradeep Agrawal Dr Amita Baviskar Dr Nimai Das Dr Purnamita Dasgupta Dr Nilabja Ghosh Dr Brajesh Jha Dr Anita Kumari Prof. N. Chandrasekhara Rao Dr C.S.C. Sekhar Dr Amarnath Tripathi Dr Thiagu Ranganathan
2. Environmental and Natural Resource Economics	Prof. Bina Agarwal (on lien) Dr Nimai Das Dr Saudamini Das Dr Purnamita Dasgupta Dr Vikram Dayal Dr Nilabja Ghosh Dr Brajesh Jha Prof. Basanta Kumar Pradhan Prof. N. Chandrasekhara Rao Dr Amarnath Tripathi Dr Thiagu Ranganathan
3. Globalisation and Trade	Prof. Pradeep Agrawal Dr Nilabja Ghosh Prof. Bishwanath Goldar Dr Sabyasachi Kar Dr Durairaj Kumarasamy Dr Anita Kumari Dr Pravakar Sahoo Dr C.S.C. Sekhar



Research themes (Alphabetically)	Faculty working on a given theme(s)
4. Health Economics and Policy	Prof. Moneer Alam Dr Samik Chowdhury Dr Saudamini Das Dr Purnamita Dasgupta Prof. Indrani Gupta Dr William Joe
5. Industry and Development	Prof. Pradeep Agrawal Prof. T.A. Bhavani Dr Nilabja Ghosh Prof. Bishwanath Goldar Dr Anita Kumari Prof. Arup Mitra Prof. Manoj Panda Prof. N. Chandrasekhara Rao Dr Pravakar Sahoo
6. Labour and Welfare	Prof. Moneer Alam Dr Amita Baviskar Dr Saudamini Das Prof. Bishwanath Goldar Prof. Indrani Gupta Dr Brajesh Jha Prof. Arup Mitra Prof. N. Chandrasekhara Rao
7. Macroeconomic Analysis and Policy	Prof. Pradeep Agrawal Prof. T.A. Bhavani Dr Sangeeta Chakravarty Dr Nimai Das Dr Sabyasachi Kar Dr Durairaj Kumarasamy Prof. Manoj Panda Prof. Basanta Kumar Pradhan Dr Pravakar Sahoo Dr Amarnath Tripathi
8. Population and Human Resource Development	Prof. Bina Agarwal (on lien) Prof. Moneer Alam Dr R.S. Bora Prof. Indrani Gupta Dr William Joe Dr Suresh Sharma
9. Social Change and Social Structure	Dr Amita Baviskar Dr Veena Naregal Prof. Sanjay Srivastava


3. (i) Completed Projects/Studies

Research Themes	Project/Study Title	Funding Agency/ Individually Initiated/ Ministry	Principal Investigator(s)	Date of Initiation	Date of Completion
1. Agriculture and Rural Development	Exploring the Relations between Climate Change and Poverty in India	Individually Initiated	Nimai Das	April 2013	March 2014
	Emerging New Marketing Channels in India's Agriculture (Impact of Emerging Marketing Channels in Agriculture)	AERU, MoA, GoI	Nilabja Ghosh, M Rajeshwor and Roopal Jyoti	1 April 2009	31 May 2013
	Rural Areas Study	IPCC Working Group II	Purnamita Dasgupta, John Morton	October 2010	March 2012
	Effect of Farm Mechanization on Agricultural Growth and Comparative Economics of Labour and Machinery in India	MoA, GoI	C.S.C. Sekhar (with Yogesh Bhatt)	October 2012	May 2014
	Rise of Organised Retailing and Sustainability of Small Farm Agriculture: A Multi-State Study	ICSSR	N. Chandrasekhara Rao	31 March 2013	December 2011
	Pilot Study on the Use of Diesel for Irrigation	Ministry of Agriculture	N Chandrasekhara Rao	October 2012	September 2014



Research Themes	Project/Study Title	Funding Agency/ Individually Initiated/ Ministry	Principal Investigator(s)	Date of Initiation	Date of Completion
2. Environmental and Natural Resource	Community Driven Natural Resource Conservation Strategy: A Theoretical Review of Principal-Agent Problem for Joint Forest Management Programme	Individually Initiated	Nimai Das	April 2013	March 2014
	Wind Attenuation Services of Mangroves	Beijer Institute of Ecological Economics, Stockholm	Saudamini Das and Anne-Sophie Crepin	05-Sep-11	28-Sep-13
	Wind Attenuation Services of Mangroves	Beijer Institute of Ecological Economics, Stockholm	Saudamini Das and Anne-Sophie Crepin	05-Sep-11	28-Sep-13
	Evaluating Expert Opinion on India's Climate Policy		Purnamita Dasgupta, Nathan Hultman, Venkatesh Dutta	4 September 2012	30 September 2013
	Decline in Immunization Rates in Well-performing Areas of India		Ankush Agarwal, Purnamita Dasgupta, R. Dasgupta	April 2013	January 2014
3. Globalisation and Trade	Impact of Global Developments on India's Exports and Strategy for Enhancing Exports	Ministry of Commerce and Industry, Government of India	Bishwanath Goldar	01-Aug-13	31-Jan-14



Research Themes	Project/Study Title	Funding Agency/ Individually Initiated/ Ministry	Principal Investigator(s)	Date of Initiation	Date of Completion
4. Health Economics and Policy	Assessment of health care financing progressivity in India	IDRC	Indrani Gupta	15-Sep-13	31-Jan-14
	Does Elderly Health Impact Poverty? Evidence from India	Stanford University, USA	Indrani Gupta	15-Sep-12	15-Feb-14
	Heat Waves and Role of Awareness Campaign in Reducing Health Effects	South Asian Network for Development and Environmental Economics (SANDEE)	Saudamini Das	15-Jul-10	30-Nov-13
	Understanding inequities in Nepal	WHO	Indrani Gupta and Samik Chowdhury	01-Jun-13	31-Aug-13
	Economic Burden of Vector Borne Diseases in India	SEARO-WHO	Indrani Gupta and Samik Chowdhury		
5. Industry and Development	Industry is the key to pro-poor growth		Arup Mitra		
6. Labour and Welfare	Does Clean Neighbourhood Matter for slum housing? Evidence from Indian slum clusters	Individually Initiated	Saudamini Das and Arup Mitra	28-Jun-13	21-Mar-14
	Employment and Wages in Indian Manufacturing: Post-Reform Performance	International Labour Organization	Bishwanath Goldar	03-Sep-13	24-Mar-14



Research Themes	Project/Study Title	Funding Agency/ Individually Initiated/ Ministry	Principal Investigator(s)	Date of Initiation	Date of Completion
7. Macro-economic Analysis and Policy	Gold and Stock Investment: An Econometric Analysis	Individually Initiated	Saudamini Das and Arup Mitra	28-Jun-13	21-Mar-14
	'Inclusive Growth in India' Extension	CMI/Norwegian Embassy	Sangeeta Chakravarty		
	Subnational-level Fiscal Health: Stability and Sustainability of Implications for Kerala, Punjab and West Bengal	IDRC-TTI	Nimai Das	April 2013	January 2014
	Looking for a Break: Identifying Transitions in Growth Regimes	ESID Centre, University of Manchester	Lant Pritchett, Selim Raihan, Kunal Sen and Sabyasachi Kar	01-Apr-13	31-Mar-14
	The Dynamics Of Economic Growth: A Visual Handbook of Growth Rates, Regimes, Transitions And Volatility	ESID Centre, University of Manchester	Lant Pritchett, Kunal Sen and Sabyasachi Kar	01-Apr-13	31-Mar-14
	Trillions Gained and Lost: Estimating the Magnitude of Growth Episode	ESID Centre, University of Manchester	Lant Pritchett and Sabyasachi Kar	01-Apr-13	31-Mar-14
	Updating the IEG Macro Model	Planning Commission	Sabyasachi Kar	01-Apr-13	31-Mar-14



Research Themes	Project/Study Title	Funding Agency/ Individually Initiated/ Ministry	Principal Investigator(s)	Date of Initiation	Date of Completion
8. Population and Human Resource Development	Monitoring of Important Components of NRHM: A Report on Banswara, Tribal District, Rajasthan	Individually initiated	Dr. Zakir Husain	May 2011	January 2012
	Monitoring of Important Components of NRHM: A Report on Dungarpur, Tribal District, Rajasthan	MoHFW	R.S. Bora, William Joe, Deepti Sikri	18 September 2013	15 November 2013
	Monitoring of Important Components of NRHM: A Report on Jalore District, Rajasthan	MoHFW	Dr. William Joe, Dr. R.S. Bora, Ms. Jyotsna Sharma	July 2011	October 2011
	Status of Elderly in Punjab, 2011	UNFPA	Moneer Alam	12-Aug-13	28-Nov-13
	The Status of Elderly in Select States of India, 2011: Sample Design, Survey Instruments, and Estimation	UNFPA	Moneer Alam and K.S. James	15-May-13	20-Oct-13



Research Themes	Project/Study Title	Funding Agency/ Individually Initiated/ Ministry	Principal Investigator(s)	Date of Initiation	Date of Completion
	The Status of Elderly in West Bengal	UNFPA	Moneer Alam	01-Sep-13	15-Jan-14
	Migrant workers in the unorganized Sector: A Study of Conditions of Work, Health Status and Social Security Dealing with Socioeconomic and Demographic Issues of the Rural-Urban Population	ICSSR	Dr. R. S. Bora	15 April 2010	
	Healthcare Issues of the Vulnerable Section of the Urban Population: A study of migrant slum dwellers in Delhi and its satellite towns	Self-initiated	R. S. Bora	March 2013	November 2013



Training Programmes

Since its inception, IEG has functioned as a centre for specialised teaching and training. Since 1968, on behalf of the Department of Economic Affairs, Ministry of Finance, Government of India, its IES Section has conducted a training programme for Indian Economic Service probationary officers in techniques of economic analysis, policy analysis and planning.

During 2013-14, the IEG conducted an induction programme for the 34th batch of 29 Indian Economic Service (IES) Officer Trainees from 2 January 2013 to 10 May 2013. Dr S M Jharwal (Chancellor, Indira Gandhi National Tribal University) inaugurated the programme. The IEG also conducted Phase 2 of the training programme for this batch from 29 July–13 September and 11–29 November 2013. Prof Raghuram Rajan (Chief Economic Adviser, Government of India) inaugurated this programme.

An induction programme was conducted for 16 feeder post holders promoted to Grade IV (Junior Time Scale) of the IES from 23 September 2013 to 18 October 2013.

The IEG conducted an induction programme for the 35th batch of 29 Indian Economic Service (IES) Officer Trainees from 6 January 2014 to 9 May 2014. Dr Arvind Mayaram (Secretary, Economic Affairs, Ministry of Finance) inaugurated the programme.

IEG also organises short-term orientation and refresher courses on request from the government or other institutions. These are usually subject-specific, such as courses on industrial or agricultural policy, or environment and development, and involving participants such as senior government officials and researchers and teachers from research institutions and universities.

Fellowships at IEG

The Institute hosts several fellowship programmes:

The Sir Ratan Tata Fellowship programme was instituted in 2000. This provides research scholars in India an opportunity to undertake post-doctoral research. One of the fellowships is at the assistant professor level (for two years and extendable for a third year) and another at the associate professor/professor level (for one year). Since its inception, the Institute has hosted twelve Fellows. During their tenure, many Fellows have written papers and organised workshops; some have even completed books.

ICSSR Doctoral Fellowships. The IEG offers six PhD Fellowships every year in economics and sociology, instituted by the Indian Council of Social Science Research.

Think Tank Initiative Fellowships. Under its Think Tank Initiative, the Institute of Economic Growth offered eight IEG-TTI Fellowships, for research in (preferably) our research themes or other policy-relevant issues.

Journals and Periodicals

The Institute brings out a major journal *Contributions to Indian Sociology* and a periodical *Quarterly Monitor*.

Contributions to Indian Sociology, the premier journal of sociology and cultural anthropology in South Asia, is sponsored by IEG and published thrice a year by Sage Publications. *Contributions* was founded by Louis Dumont and David Pocock in 1957 but ceased publication in 1966. A new series was initiated in 1967 by T. N. Madan with the support of an international group of scholars including Louis Dumont, A.C. Mayer, Milton Singer and M.N. Srinivas.



This peer-reviewed journal has encouraged and fostered cutting-edge scholarship on South Asian societies and cultures over the past 50 years. Its pages feature articles and comments by leading academics as well as research papers by young postdoctoral scholars. It has brought out several special issues on new and significant themes which have been subsequently republished as independent books. *Contributions* is the only sociology journal ranked among the top hundred worldwide that is published from South Asia.

CIS publishes articles on all countries of South Asia, the South Asian diaspora as well as on comparative studies related to the region. The journal favours articles in which theory and data are mutually related, and accommodates a diversity of theoretical approaches and methods.

The *Monthly Monitor* was a periodical brought out by the Development Planning Centre (DPC) of the IEG. It used to analyse and comment on the trends and forecasts of major macroeconomic variables for India. For the past few years, the monthly data of some macro variables became extremely volatile and, therefore, the predictive power of the forecasting model became very low. Hence, the *Monthly Monitor* has been discontinued. The DPC is working to bring out a *Quarterly Monitor*, which will report the forecast of some key macro variables on the basis of quarterly data.



(L-R) Arvind Pandey, Manoj Panda, and S C Gulati look at the presentation while S V Subramanian (far right, at the lectern) speaks



Panelists at a workshop on health inequality on India



Prof Sanjay Srivastava and Dr Amita Baviskar with conference participants



Dr Veena Naregal with participants of her workshop on 'Caste and Marginalisation: Methodological Perspectives'



Faculty: Publications

BINA AGRAWAL

Books

Gender and Green Governance: The Political Economy of Women's Presence Within and Beyond Community Forestry, Oxford: Oxford University Press, now in paperback, 2013.

Gender Challenges, Selected Essays by Bina Agrawal, 3 volumes, Oxford University Press, Delhi, forthcoming

Volume 1: Agriculture, Technology and Food Security

Volume 2: Property, Family and the State

Volume 3: Environmental Change and Collective Action

Each volume is on a separate theme with its own introduction.

Papers in Journals

'Food Sovereignty, Food Security and Democratic Choice: Critical Contradictions, Difficult Conciliations', *Journal of Peasant Studies*, January 2014, bit.ly/VKvkVq

'The Power of Numbers In Gender Dynamics: Illustrations from Community Forestry Groups', *Journal of Peasant Studies*, July 2014, bit.ly/1okWid3

'Gender and Environmental Change', Chap 8 in the *World Social Science Report 2013 on Changing Global Environments*, (Paris: International Social Science Council and UNESCO), September 2013

'Payments for Ecosystem Services and the Fatal Attraction of Win-Win Solutions' (with R. Muradian and many others), *Conservation Letters*, 2013.

'Food Security, Productivity and Gender Inequality', *Handbook of Food, Politics and Society* (New York: Oxford University Press), September 2013 DOI:10.1093/oxfordhb/9780195397772.013.002

NEWSPAPER ARTICLES Newspaper

'Blurred Lines', *The Indian Express*, 29 January 2014

'Whose Law is it Anyway?', *The Indian Express*, 20 December 2013; republished in *Open Democracy*, UK

'A House Divided', *The Indian Express*, 2 September 2013



PRADEEP AGRAWAL

Books (Edited)

Reviving Growth in India (forthcoming in January 2015, Cambridge University Press)

Papers Published

'The Economic Impact of Withdrawing Diesel Subsidy in India' (with Durairaj Kumarasamy), December 2014, *Indian Economic Journal*, 60 (3)

Working Paper

'Drivers of Poverty Reduction in India', Asian Development Bank (forthcoming in January 2015)

Chapter in Edited Book

'India and Central Asia: Trade Perspectives' (with Seema Sangita), Second India-Central Asia Dialogue published by Indian Council of World Affairs (ICWA), New Delhi, January 2014

Working Paper

'India and Central Asia: Trade Routes and Trade Potential' (with Seema Sangita), IEG Working Paper 334, 2014

Policy Briefs

'Diesel Subsidy Withdrawal: Impact of Current Account and Fiscal Deficits', IEG Policy Brief 4/2013

'Trade Prospects Between India and Central Asia' (with Seema Sangita), IEG Policy Brief 5/2013

'Energy Security for India: Petroleum Demand Estimations and Projections', IEG Policy Brief 6/2013

MONEER ALAM

Books

Paying Out-of-Pocket for Drugs, Diagnostics and Medical Services: A Study of Households in Three Indian States, Springer, May 2014.

Population Ageing in India (edited, with G Giridhar, K. Sathyanarayana, Sanjay Kumar, and K. S. James), Cambridge University Press, April 2014.

Chapter in Edited Book

Health Status of Elderly in India: Trends and Differentials (with Anup Karan) in *Population Ageing in India* (eds G Giridhar, K. Sathyanarayana, Sanjay Kumar, K. S. James, and Moneer Alam), Cambridge University Press, April 2014



✦ AMITA BAVISKAR

Chapters in Edited Books

Dreaming Big: Spectacular Events and the World-Class City, Palgrave Macmillan, January 2014

Shades of Green: Remaking Urban Nature and its Publics in Delhi, India, MIT Press (forthcoming in January 2015)

✦ T.A. BHAVANI

Books

Understanding Reforms: Post 1991 India—An Update (paperback edition). New Delhi: Oxford University Press.

This version brings out the developments—political as well as economic—in the last five years after the first edition came out. On the political front, the Congress Party proved its political management capabilities of coalition politics with continuously shifting political alignments and came to power for the second time in the 2009 general elections. The economy has been performing well in terms of growth without any big-ticket reforms and came out of global economic crisis with just a slowdown. However, uncertainties in the international environment and the growing fiscal deficit and inflationary pressures will threaten the sustainability of growth. However, rapid growth coupled with coalition politics seems to have made the UPA government lax on reforms and go for populist welfare measures. Given coalition politics, the lack of broad-based political consensus on big-ticket reforms and weak government, further reforms will be hesitant and episodic only when growth gets derailed and welfare schemes may go on until then.

✦ R.S. BORA

Published Research Papers

‘Challenges of the HIMS in India: A Case Study of Udham Singh, Uttarakhand’, IEG Policy Brief, 1/2013 (with Dr Zakir Husain and Dr Nandita Saikia)

Papers Accepted for Publication

‘Migrant informal workers: A Study of Delhi and Satellite Towns’, *Journal of Modern Economy* 5 (5), (forthcoming).

In India, the activities of the secondary and tertiary sectors are concentrated mostly in large towns and cities, and attract internal migration. Workers’ participation has led to spectacular growth in the economy during the past two decades. By analysing data collected from slum households in three states, *i.e.* the National Capital Territory (NCT) of Delhi, and in two towns of the National Capital Region (NCR) of Haryana and Uttar Pradesh states in India, this paper seeks to assess if this growth has improved workers’ employment conditions. The finding reveals that the workers are employed in low-productivity jobs with low incomes and wages; they work without job safety, medical health and social security provisions. All these deteriorate both living and working conditions of the workers. In spite of their working and living in one of the most developed parts of the country they live economically marginalized and neglected life.

‘Informal workers in the Urban Slums and their Health Care Issues: A Study of Migrants in Delhi Region’, IEG Seminar Volume on Health Inequality in India: Concept, Methods and Evidences, Seminar held on 23-24 July 2013.



This paper briefly assesses about the workers' working and living conditions and the potential impact of these conditions on their health. The data collected from the slum households' have been used for the analysis and households were chosen from the National Capital Territory (NCT) of Delhi, and in two towns of the National Capital Region (NCR) of Haryana and Uttar Pradesh. Most of the workers in our sample were in age group of about forty years, they do not immediately realize the impact of their poor working and living conditions on health but potential health hazard risk is very in such environments.

'Youth Migrants in the Urban Informal Sector: A Study of their Working and Living Conditions.' In *Youth, People and Migration in Developing Countries*, edited by Irudaya Rajan and Sivakumar. CDS (Trivandrum) and RGNIYD (Chennai), forthcoming.

Migrants are poor not only in terms of household income and expenditure, but also in terms of lack of basic amenities; the lack of access to human capital (education & skill) as well as to physical capital (landlessness) has further worsened their conditions. On probing about the conditions of work, there is a strong association between the low social status of the migrants and the various dimension of economic deprivation. The real nature of the problem is not that they are unemployed but a large number of those classified as employed are engaged in a low quality of wages and salaried employment also in low earning own account activities, which does not provide adequate income to keep a family above the poverty line. There is gross violation of terms and conditions of employment, which is comparatively higher in Delhi.

✦ SANGEETA CHAKRAVORTY

Published Research Papers

'Stock Prices and Inflation: Relationship revisited' (with Arup Mitra). *World Journal of Modeling and Simulation*.

Serial Publication

Quarterly Monitor

✦ SAMIK CHOWDHURY

Paper Published in Journal

(with Indrani Gupta) 'Economic Burden of Malaria in India: Need for Effective Spending', *WHO South East Asia Journal of Public Health*, 3(1), January 2015

Chapter in Edited Book

(with Indrani Gupta) 'Scaling up health expenditure for Universal Health Coverage: Prospects and Challenges', *India Infrastructure Report*, forthcoming



 **NIMAI DAS**

Published Research Papers

'Climate Change, Agricultural Production and Poverty in India' (with S Kar). In *Poverty Reduction Strategies & Policies in Developing Asia*, edited by A. Heshmati, E Maasoumi & G Wan, Chapter 4. Singapore: Springer. 2014.

'Community Driven Natural Resource Conservation Strategy: A Theoretical Review of Principal-Agent Problem for Joint Forest Management Program.' In *Economic Reforms and Common Property Resources*, edited by S. Pan, 175-88. New Delhi: Regal Publication. 2014.

'Subnational-level Fiscal Health: Stability and sustainability of implications for Kerala, Punjab and West Bengal', IEG Working Paper No. 329. 2013.

 **SAUDAMINI DAS**

Papers Published in Journals

'Mangroves can provide protection against wind damage during storms' (with Anne-Sophie Crepin), *Estuarine, Coastal and Shelf Science*, 134 (2013), 98-107

'Role of Exotic Vegetation in Coastal Protection: An Investigation into the ESS of Casuarina' (with Harpinder Sandhu), *Economic and Political Weekly*, vol XLIX, No 1

Chapter in Edited Book

Economics of Natural Disaster in Odisha (forthcoming in January 2015), Oxford University Press

 **PURNAMITA DASGUPTA**

Papers in Journals

'Decline in Immunization Coverage Across Well-performing Districts in India: An Urban. Uhttp://link.springer.com/article/10.1007/s12098-014-1426-3. Conundrum?' *Indian Journal of Paediatrics*, April 2014

'Land Access and Food Security for Forest Dwellers: An Economic Analysis for India', *Problems of Sustainable Development*, 8 (2), 2013.

'Socio-Economic Analysis of Climate Change Impacts on Foodgrain Production in Indian States', *Environmental Development*, (8), 2013. <http://authors.elsevier.com/sd/article/S2211464513000900> <http://authors.elsevier.com/sd/article/S2211464513000900>

Chapters in Books

'Rural Areas' Chapter 9, Report of the Working Group on Adaptation, WGII, AR 5, Intergovernmental Panel on Climate Change, UNEP-WMO, Geneva, 2014.

'Summary for Policy Makers, Climate Change 2014: Impacts, Adaptation and Vulnerability', Working Group II, Intergovernmental Panel on Climate Change, WMO - UNEP.



'Benefits and co-benefits, tradeoffs and spillover effects (3.2.6) and Interactions between adaptation, mitigation and sustainable development' (4.5), Synthesis Report, AR5, IPCC, UNEP-WMO, 2014 (forthcoming).

'Ecosystems and Economy', in *Ecosystems Science, Valuation and Management: Theory and Practice*, Harpinder Sandhu (ed), Sage Publications 2014 (forthcoming).

'Mapping Gains and Losses from the Mayur Ecosystem', in *Water Security in Peri-Urban South Asia*, (eds) V. Narain, Sara Ahmed, A. Prakash, OUP, forthcoming. <http://authors.elsevier.com/sd/article/S2211464513000900>

Working Papers

Developmental Disability Index for Hill States in India (with R. Pandey), Apr, 2014, NIPFP Working Paper No. 134

VIKRAM DAYAL

Paper Published in Journal

'Towards pluralism in a public economics course in India', *International Journal of Pluralism and Economics Education*, 4 (4), 2013

Book

The Environment in Economics and Development: Pluralist Extensions of Core Economic Models, January 2014, Springer

NILABJA GHOSH

Book

India's Agricultural Marketing: Market Reforms and Emergence of New Channels. New Delhi: Springer, 2013.

Published Research Papers

'Regulated Marketing in India in the Period of Reforms: Redundant or Useful?' *Indian Journal of Economics and Development* 10 (2), 2014.

Review of the book *Transforming Indian Agriculture: India 2040- Productivity, Markets and Institutions*, edited by Marco Ferroni. New Delhi: SAGE Publications in *South Asia Economic Journal*, Vol. - 14 (2), September 2013. pp 364-368.

'Promoting Entrepreneurship among Women in Agriculture' in S. Banerjee, and A. Chakrabarti, (Eds.) *Development and Sustainability: India in a Global Perspective*, Springer. 2013.

'Inequalities of Income Opportunity in a Hilly State: A Study of Uttarakhand' (with Sabyasachi Kar and Suresh Sharma) in F. Ram, T.V. Sekhar et. al. (Eds.) *Population, Health and Development in Uttarakhand*. Delhi: Academic Foundation. 2013.

'Education for all in rural Himalayas: a study of Uttarakhand' (with Suresh Sharma) in F. Ram, T.V. Sekhar et. al. (eds.) *Population, Health and Development in Uttarakhand*. Delhi: Academic Foundation. 2013.

'Trends in Temperature and Rainfall and the Possible Vulnerability of Indian Agriculture to Climate Change' (with Anita Kumari). *Food Studies: An Interdisciplinary Journal*, Common Ground, Champaign, IL, USA 2 (4) January 2014.



'Sustainability in Indian Agriculture' accepted for publication in the book 'Reviving Growth in India' edited by Pradeep Agarwal, (with Anita Kumari), Cambridge University Press, to be published simultaneously from Delhi, London and New York by September 2014.

India's agriculture has been shifting towards high value products from cereals and other foodgrains. The shifts though consistent with consumer demand and nutritional merit have produced a new concentration in the structure of agriculture. The emerging patterns seem to be inconsistent with resource endowments especially water. Also, Indian farms being small but more productive, matching the risk bearing capacity and need for livelihood sustainability of farmers raises new challenges. Growth in Indian agriculture, therefore, needs to be planned with care and caution with an eye for not only food security and consumer demands but environment, resource endowment and economic sustainability are also important. Further, production also needs to remain broad based and diversified and amenable to nuanced shifts in tune with global and national demand and supply conditions, drawing from experiences in India and other countries.

Unpublished Papers/Monographs

'Linking farms with Consumers through Organized retail chains: Implication for producers' (Nilabja Ghosh, Anand Vadivelu), likely to be published in N. Chandrasekhara Rao, R. Radhakrishna, R.K Mishra and K. V. Reddy (ed) *Organized retailing and Agri-Business: Implications of New Supply Chains on the Indian Farm Economy*, Springer.

'An Analysis of Resource Conservation Technology: A Case of Micro-Irrigation System (Drip Irrigation)' submitted by Centre for Management in Agriculture, IIM Ahmedabad. Dated: 24th March, 2014 to Ministry of Agriculture (part of AERU work)

Newspaper Articles

'Know Your Onions' in *Business Line* on January 1, 2014

'Weather Forecasting: It's time to do it differently' in *Business Line* on Jul 9, 2013

'The Numbers Game' in *Business Line* on 30th June 2014

'Green Shoots' on Budget for Agriculture in *Business Line* on Jul 16, 2014

Policy Brief

'What technology / Tools can Improve Agriculture Adaptation to Climate Change in Bihar?' submitted to ICIMOD, AUSaid by Nilabja Ghosh, Amarnath Tripathi, and Nilhari Neupane

BISHWANATH GOLDAR

Chapters in Edited Books

'Productivity in Indian Manufacturing in the Post-Reform Period: A Review of Studies', in Vinish Kathuria, S.N. Rajesh Raj and Kunal Sen (eds), *Productivity in Indian Manufacturing: Measurement, Methods and Analysis*, Routledge, New Delhi. 2014.

This a review paper on productivity studies undertaken on Indian manufacturing. One part of the paper discusses the estimates of total factor productivity growth in organised and unorganised manufacturing that have been obtained in various studies undertaken so far. The other part of the paper deals with factors determining productivity in Indian manufacturing. The issues covered are the impact of economic reforms; impact of the investment climate; inter-



relationship between technology and productivity; role of services input in raising productivity; and the relation between export intensity and firm productivity. A number of studies have in the past dealt with these issues in the context of Indian manufacturing. The findings of these studies are discussed in the paper.

‘Sustaining a High Rate of Industrial Growth in India in the Next 10 Years’, to be published in Pradeep Agrawal (ed.), *Sustaining High Growth in India*, Cambridge University Press (forthcoming).

To raise the share of manufacturing in GDP from about 15 per cent at present to about 25 per cent by 2022 (or thereabouts), the rate of real output growth of the manufacturing sector should be about 13–15 per cent per annum in the next 10 years, which is much higher than the 8.3 per cent per annum trend growth rate during the period between 1999–2000 and 2011–12. The paper assesses the likely growth rates in employment and capital stock in manufacturing in the coming 10 years. To attain a growth rate of manufacturing sector output of 13–15 per cent, it concludes, the growth rate in total factor productivity needs to increase from about 1.6 per cent during the period between 1999–2000 and 2011–12 to about 4.5 per cent per annum in the coming 10 years. The policy reforms required for attaining such high growth rate in total factor productivity are indicated.

‘Gender Discrimination in Manufacturing Employment in India’ (with Suresh Chand Aggarwal), in K.V. Ramaswamy (ed.), *Labour, Employment and Economic Growth: The Indian Experience*, Cambridge University Press (forthcoming).

A number of studies on gender discrimination in India have compared the wages received by women relative to men. In this paper, a different aspect of discrimination is studied, namely discrimination in terms of job tenure. The analysis is confined to Indian manufacturing. The main hypothesis tested econometrically is that after controlling for endowments and industry affiliation, women tend to be discriminated against in getting regular jobs. The analysis is undertaken using unit-level data of the NSS employment–unemployment surveys for 1999–2000, 2004–05, and 2009–10. The results of the analysis reveal that the extent of gender discrimination in manufacturing employment has not declined between 1999–2000 and 2009–10, although there is theoretical basis to argue that trade liberalization would lower the extent of gender discrimination. The analysis undertaken at the state level brings out that the extent of gender discrimination bears an inverse relationship to labour market rigidities.

‘The European Union and India Free Trade Agreement Negotiations: Economic Dimensions’, in Manish Thapa, Jakub Zajackowshi and Jivanta Schottli (eds), *India in the Contemporary World: Polity, Economy and International Relations*, Routledge, London. 2014.

The article discusses some economic dimensions of the EU–India free trade agreement (FTA). The significance of the agreement to the two parties, and what will make the agreement more beneficial to India, are pointed out. There have been some attempts to quantify in monetary units the economic gains that would accrue to India and EU from the agreement. The findings of these studies are reviewed. Finally, the issues of intellectual property rights and government procurement are discussed which are believed to be major hurdles being faced in the process of negotiations of the FTA.

Papers Published in Journals

(with Arup Mitra) ‘Small versus Large Manufacturing Units: How Efficient Are They?’ *Journal of Asia Pacific Economy*, January 2014.

This study examines the performance of enterprises across organised or formal and unorganised or informal sector manufacturing enterprises. The analysis tends to offer little evidence in favour of positive links between sectors in terms of performance index, i.e. technical efficiency. The formal sector units are better performers than their informal sector counterparts. The informal sector units are not able to benefit in the process of rapid overall growth, suggesting that growth is not inclusive. The demand side factor or agglomeration-specific factor also does not seem to impact on the performance of the informal sector enterprises favourably. On the other hand, the organized manufacturing sector is responsive to increases in income and the availability of infrastructure. On the whole, the informal sector enterprises exist only to provide means of survival; they seem to lack all dynamism.



(with Basanta K Pradhan and Akhilesh K. Sharma) 'Elasticity of Substitution between Capital and Labour Inputs in Manufacturing Industries of the Indian Economy', *Journal of Industrial Statistics*, January 2014.

In this paper, the elasticities of substitution between capital and labour inputs are estimated for the 15 major sectors that together comprise the entire Indian economy. The estimation is based on a constant elasticity of substitution (CES) production function, using annual time series data for the period between 1980–81 and 2008–09. Seven sets of estimates of the elasticity of substitution have been made using alternative specifications of the model and econometric techniques of estimation of parameters. The results indicate that the elasticity of substitution is less than unity in most sectors of the Indian economy, and that the elasticity of substitution is less in manufacturing than in the services sector.

'Determinants of Import Intensity of India's Manufactured Exports under the New Policy Regime', *Indian Economic Review*, June 2013.

The paper attempts to understand the factors behind the significant increase in import intensity of India's manufactured exports that has taken place in the post-reform period. Industry level analysis indicates that the increase in import intensity is attributable partly to changes in product composition and partly to growing export orientation of Indian manufacturing industries. Firm level analysis reveals that exporting firms are more import intensive than non-exporting firms. The firms' decision to export and to import are interdependent, and both rooted in firm heterogeneity.

'Energy Use Efficiency of India's Organised Manufacturing', *Review of Market Integration*, August 2013.

There was a distinct downward trend in energy intensity of Indian manufacturing in the period since 1992. From the results of the econometric analysis undertaken, it appears that this reduction in energy intensity is attributable at least in part to the substitution of energy by capital and accelerated technical change in the period after 1992. From a close examination of state-level data on eight energy-intensive industries, wide inter-state variation is found in the reduction in energy intensity achieved. Econometric analysis of the observed state-wise variation brings out the importance of new investment and scale economies for reducing energy intensity. Also, establishment of new factories is important for improving energy use efficiency at the industry level.

'Wages and Wage Share in India during the Post Reform Period', *Indian Journal of Labour Economics*, January 2014.

This paper analyses the trends in wages and the wage share in various sectors of the Indian economy, particularly organised manufacturing, during the post-reform period. The results of empirical analysis indicate that in manufacturing, the productivity-enhancing effects of trade liberalisation prevailed over the downward pressure on wages caused by rent erosion. It is found that there was an upward trend in the wage gap between skilled and unskilled labour in manufacturing, though this did not occur in certain components of the other major sectors. A downward trend in the wage share in value added is observed for most sectors of the Indian economy and for most industries constituting the manufacturing sector. This may be attributed to the reduced bargaining power of trade unions, increasing capital intensity of production, and labour-saving technical change, among other factors.

'R&D Intensity and Exports: A Study of Indian Pharmaceutical Firms', *Innovation and Development*, January 2014.

The export intensity of Indian pharmaceutical firms has increased substantially in the period after 1995 when the new, more restrictive patent regime was introduced in India. The hike in export intensity has been accompanied by an increase in R&D intensity of Indian pharmaceutical firms. The results of the econometric analysis presented in the paper indicate that increased R&D efforts of Indian pharmaceutical firms were responsible in a major way for the observed increase in export intensity. The econometric results suggest that the impact of R&D intensity on exports depends on the level of productivity already reached by the firms.

Working Paper

'Elasticity of Substitution between Capital and Labour in Major Sectors of Indian Economy', (with Basanta K. Pradhan and Akhilesh K. Sharma) *IEG Working Paper 335*



In this paper, the elasticities of substitution between capital and labour inputs are estimated for the 15 major sectors that together comprise the entire Indian economy. The estimation is based on a constant elasticity of substitution (CES) production function, using annual time series data for the period between 1980–81 and 2008–09. Seven sets of estimates of the elasticity of substitution have been made using alternative specifications of the model and econometric techniques of estimation of parameters. The results indicate that the elasticity of substitution is less than unity in most sectors of the Indian economy, and that the elasticity of substitution is less in manufacturing than in the services sector.

Newspaper Articles

'Trends in Manufacturing Employment', *Yojana*, Vol 57, October 2013, pp. 46-49.

INDRANI GUPTA

Papers Published in Journals

'Urban Health in India: Who is Responsible?', *International Journal of Health Planning and Management*, (with Swadhin Mondal) January 2014 DOI: 10.1002/hpm.2236, early online version.

'Fiscal Space for Health Spending in South East Asia', (with Swadhin Mondal) *Journal of Health Care Finance*, 2013, 39(4): 68–82.

'Willingness to Pay for Health Insurance Among HIV-Positive Patients in India', *Applied Health Economics & Health Policy*, June 2013, DOI: 10.1007/s40258-014-0105-x.

Working Paper

(with A. Batra and A. Mukhopadhyaya) 'Does discrimination drive gender differences in health expenditure on adults? Evidence from cancer', (with Mayur Trivedi) *Indian Statistical Institute Discussion Paper*, January 2014, 14-03.

WILLIAM JOE

Book

National Rural Health Mission: An Unfinished Agenda. Bookwell Publishers (forthcoming).

Published Research Papers

'Health Inequalities, Level Differentials & Progress Assessment: Case of Measles Vaccination Coverage in India', *Artha Vijnana*, 55(1):56-70. 2013.

This paper attempts to assess progress in measles vaccination coverage in India using a method that accounts both for health inequalities and level-differentials with the help of data from the National Family Health Surveys (NFHS) for 1992-1993 and 2005-2006. Results indicate that there are high income-related and group-related inequalities in measles vaccination coverage. The intersectional group of rural-female-SC ST, particularly from Bihar and Uttar Pradesh, are most disadvantaged. The progress is biased as richer and advantaged sections benefited disproportionately from expansion in coverage. The study concludes that, global declaration for elimination of measles is important to generate political will for rapid progress.



'Inter-Group Inequalities in Child Undernutrition in India: Group Analogue of Gini Coefficient and Atkinson's Index', (with U. S. Mishra & K. Navaneetham) *Oxford Development Studies*, 2013, 41:2, 239-257.

Studies of undernutrition in India have focused exclusively on inter-personal inequalities and estimates of the magnitude of inter-group inequalities are unavailable. A focus on 'horizontal', inequalities offers vital policy insights. We therefore apply the group analogues of Atkinson's index and the Gini coefficient to shed light on the disproportionate burden of undernourishment borne by rural and historically vulnerable caste groups. The paper calls for explicit targeting of backward castes across the country and improved inter-sectoral collaboration to ensure equitable access to education, healthcare and water and sanitation, particularly across underdeveloped regions.

Papers Accepted for Publication

'Distressed Financing of Household Out-of-Pocket Healthcare Payments in India: Incidence and Correlates', *Health Policy and Planning*, forthcoming.

Out-of-pocket (OOP) health care payments financed through borrowings or sale of household assets are referred to as distressed health care financing. The results show significant socioeconomic gradient in the distribution of distressed financing with huge disadvantages for marginalized sections, particularly females, elderly and backward social groups. Multivariate logistic regression informs that households are at an elevated risk of indebtedness while seeking treatment for non-communicable diseases, particularly cancer.

'Intersectional Inequalities in Immunization in India 1992-93 to 2005-06: A Progress Assessment', *Health Policy and Planning*, forthcoming.

This study examines intersectional inequalities in immunization in India and also suggests a level-sensitive progress assessment method. The results unravel the plight of vulnerable intersectional groups and draws attention to disquieting shortfalls among female SCST children from rural areas. There is also some evidence to indicate leveraging among rural males in matters of immunization and it is further discerned that such gender advantage is greater among rural non-SCST community than the rural SCST group. In concluding, the study calls for intensive immunization planning to improve coverage among vulnerable communities in both rural and urban areas.

Unpublished Paper/Monograph

'Horizontal Inequities in Health Care Utilization by Elderly in India: Does Family Matter?'

This paper attempts to unravel the 'family advantage' in matters of elderly health and health care utilization in India. Using the Morbidity and Healthcare Survey of India (2004), we begin by examining whether SRH follows a dose-response relationship with socioeconomic status and patterns of living arrangement? Further, we present need-standardized health care utilization by elderly to discern the relative advantage of living arrangement types. This analysis also unravels the magnitude of horizontal equity in elderly health care utilization in India.

SABYASACHI KAR

Papers Published in Journals

'Looking for a break: identifying transitions in growth regimes', (with Lant Pritchett, Selim Raihan, Kunal Sen) *Journal of Macroeconomics*, 38 (B), December 2013

'Re-examining the Finance-Growth Relationship for a Developing Economy: A time series analysis of post-reform India', (with Kumarjit Mandal) *Journal of Developing Areas*, January 2014



Books

'The Dynamics of Economic Growth: A Visual Handbook of Growth Rates, Regimes, Transitions and Volatility', (with Lant Pritchett, Selim Raihan, Kunal Sen) 2013, University of Manchester

'Economic Challenges for a Contemporary World: Essays in Honour of Prabhat Patnaik', (edited, with Mausumi Das and Nandan Nawn) Sage (forthcoming in January 2015)

Chapter in Edited Book

'Global Financial Crisis: What Did We Know, What Have We Learnt?' in *Development and Sustainability: India in a Global Perspective* (eds) Sarmila Banerjee and Anjan Chakrabarti, (with Kumarjit Mandal) Springer, January 2014

'Inequalities of income opportunity in a hilly state: A study of Uttarakhand' in *Population, Health and Development: Perspectives on Uttarakhand*, (with Nilabja Ghosh and Suresh Sharma) Academic Foundation, 2013

DURAIRAJ KUMARASAMY

Papers Published in Journals

'The Economic Impact of Withdrawing Diesel Subsidy in India', (with Pradeep Agrawal) *Indian Economic Journal*, December 2013

'Do Exchange Rate and its Volatility deter Foreign Direct Investment in India?', (with Nirmala Velan) *Indian Economic Journal*, June 2013

ANITA KUMARI

Papers Published in Journal

'Technology Upgradation: Boon or Bane for MSMEs in India', *Productivity* (54), January-March 2014.

The study attempted to answer a pertinent question: whether policy measures taken by the government to nurture MSMEs towards upgradation of technology has been a boon or bane for MSMEs in India since globalization. A detailed empirical analysis has been carried out for all the industry groups of MSMEs in an attempt to do so. An econometric model has been formulated based on the various hypothesis discussed in the literature and to account for the changing environment as per the changes in the policies for MSMEs. The analysis revealed that the technology upgradation through acquisition of advanced technologies has been boon for MSMEs in India. Nevertheless, various other factors have also been playing a strategic role along with in augmenting productivity and competitiveness of enterprises in MSMEs across all industry groups.

Papers Accepted for Publication

(with Nilabja Ghosh), 'The Trends in Temperature and Rainfall and the Possible Vulnerability of Indian Agriculture to Climate Change'. *Food Studies: An Interdisciplinary Journal*. Volume 2, Issue 4, 2014. Common Ground Publishing, LLC, Champaign, Illinois, USA, 2014..

Analysis of long period data on temperature and rainfall in various climatic zones in India provides strong indication of rising tendency of temperature and some signs of decline of rainfall though there are regional deviations. We find



indications that most of the leading crops in the country are likely to be affected adversely by higher temperatures or rainfall departures at some points in their growing period. In particular rice appears to be vulnerable to temperature increase in day as well as night. However, in certain ways climate change may also offer favourable effects to crop yields.

ARUP MITRA

Book

Can Industry be the Key to Pro-Poor Growth: An exploratory analysis for India. India: ILO (DWT for South Asia and Country Office for India). 2013

Published Research Papers

'Toiling Children in India: The Gender Dimension', (with Rajnish Kumar and Mayumi Murayama) *International Journal of Social Economics*, Vol. 40, No. 3, 2013.

'Recent Employment Scenario', *Indian Economic Journal*, December 2012, Conference Issue, 2013

'Stock Prices and Inflation: Relationship Revisited', with Sangeeta Chakravarty, *World Journal of Modelling and Simulation*, 2013, 9 (3), pp. 201-215.

'Youth Employment and Unemployment: An Indian Perspective', (with Sher Verick), ILO Asia-Pacific Working Paper Series, March 2013 New Delhi: ILO, DWT for South Asian and Country Office for India.

'Small versus Large Manufacturing Units: How Efficient Are They?', (with Bishwanath Goldar), *Journal of Asia Pacific Economy*, 18 (4), 2013

'Growth, Employment and Poverty', *Yojana*, 56–58, November 2013.

'Agriculture and its Integration with National Accounts Statistics: The Indian Case', (with Ankush Agarwal), *Agricultural Journal*, 2013, 7 (5), 343–353

'Unorganized Sector in India: Employment, Elasticity and Wage-Productivity Nexus', (with Aviral Pandey), *Journal of Development Entrepreneurship*, 18 (4).

'Agglomeration Economies and Wellbeing: Evidence from India', *Athens Journal of Health*, 1 (1), March 2014.

'Urban Informal Sector: Functioning, Constraints and Mobility', in *The Oxford Handbook of the Indian Economy in the 21st Century* edited by Ashima Goyal, UK & New Delhi: OUP. 2014

'Inclusive Growth, In Terms Of Notion, Is Not An Illusion', *One India One People*, January 2014, 35–36.

'Trade Liberalization, Technology Transfer, and Firms' Productivity Performance: The Case of Indian Manufacturing', (with Chandan Sharma and M.A. Vezanzones-Varodakis), *Journal of Asian Economics* (forthcoming), DOI: <http://dx.doi.org/doi:10.1016/j.asieco.2014.04.001>

'Female Labour Supply in a Developing Economy: A Tale from a Primary Survey', (with Basanta Pradhan and S Singh), *Journal of International Development* (forthcoming), DOI: 10.1002/jid.2994



 **MANOJ PANDA**

‘Social Welfare and Household Consumption Expenditure in India—2004-05 to 2011-12’, (with Bhaskar Dutta), *Economic and Political Weekly* (forthcoming)

We use a modification of the well-known statistical concept of the Lorenz curve—the Generalized Lorenz curve—and its associated social welfare properties, to measure changes in wellbeing of households in India during the last decade, using the NSS data on household consumption expenditure for 2004-05, 2009-10 and 2011-12. We show that at the All-India level, there has been an *unambiguous* fall in poverty during these years independent of the poverty line. This pattern is also observed in most (but *not all*) states. We also compare the rate of growth of per capita consumption expenditure of the bottom four deciles and that of the population as a whole. The scatter diagram of the rates of growth for these deciles and of average consumption shows an upward trend, providing some indication that the trickle-down hypothesis may have worked.

‘Current Status of Environmental and Economic Accounting: Review of Some Countries’ Experiences and Way Forward for India’, (with M N Murty), paper submitted to the conference volume of Indian Society for Ecological Economics

Many developed countries and even some developing countries have started in the direction of preparing some form of natural resource accounts in addition to standard national income accounts of the System of National Accounts (SNA). The UN methodology of the System of Environmental and Economic Accounting (SEEA), even after almost two decades of existence, is not found to be fully used by any country in the world for estimating its green GDP. Many developed countries have started using some parts of the SEEA that could be easily integrated into natural resource accounting methods historically used by them. Most developing countries, including India, did not start work on developing databases linking natural resources with economic activities until the turn of this century. A feasible work plan for preparing natural resource accounts in India is to start with preparation of National Accounting Matrix including Environmental Accounting (NAMEA) accounts using information from the extended database of Annual Survey of Industries (ASI) accounts, input output accounts, cost of cultivation accounts of agriculture, and National Sample Survey (NSS) consumer expenditure accounts in India.

 **BASANTA K. PRADHAN**

Published Research Papers

‘Female Labour Supply in a Developing Economy: A tale from a Primary Survey’, *Journal of International Development*, 2014 (with S K Singh and Arup Mitra).

‘Multi-model comparison of the economic and energy implications for China and India in an international climate regime’, *Mitigation and Adaptation Strategy for Global Change*, 2014 (with 15 others).

‘A Social Accounting Matrix for India 2005-06’ (with M R Saluja and Y Parida), *Research in Applied Economics*, Vol. 6, No. 1, 2014.

‘Growth, Inequality and Innovation: A CGE analysis of India’ (with V P Ojha and J Ghosh), *Journal of Policy Modeling*, November 2013.

‘Elasticity of Substitution between Capital and Labour Inputs in Manufacturing Industries of the Indian Economy’ (with B N Goldar and A K Sharma), *Journal of Industrial Statistics*, Vol 2, No. 2, 2013.

Working Papers

2014. ‘Elasticity of Substitution between Capital and Labour Inputs in Manufacturing Industries of the Indian Economy’, IEG Working Paper no. 335, (with B N Goldar and A K Sharma).



2013. 'A Social Accounting Matrix for India 2007-08', IEG Working Paper no. 326, (with M R Saluja and A K Sharma).

Paper Accepted for Publication

'Effects of International Climate Policy for India: Evidence from a National and Global CGE model', *Environment and Development Economics*, forthcoming, (with M Weitzel, J Ghosh and S Peterson).

Unpublished Papers/Monographs

'Analyzing the Welfare Impact of Financial Transfers to States using a Multi-Regional CGE model' (with J Ghosh)

'The Impact of Carbon taxes on Growth, Emissions and Welfare in India' (with J Ghosh)

'Carbon Taxes vs Productivity Shocks: A Comparative Analysis of the Costs in a CGE Framework for India' (with J Ghosh)

N CHANDRASEKHARA RAO

Published Research Papers

'The Seed and Agricultural Biotechnology Industries in India: An Analysis of Industry Structure, Competition, and Policy Options', (co-authored with David J Spielman, Deepthi E Kolady and Anthony Cavalieri), *Food Policy*, 45/2014

Since the late 1980s, technological advances and policy reforms have created new opportunities for private sector investment in India's seed and agricultural biotechnology industries. This analysis examines the structures of these industries, their potential effects on competition and innovation, and the policies that may improve both industry performance and the delivery of new productivity-enhancing technologies to India's cereal production systems. Our findings suggest that more substantive policy reforms are needed to encourage further innovation, reduce regulatory uncertainty, and encourage firm- and industry-level growth, while continued public spending on agricultural research is needed to support technological change.

Books

'Biotechnology and the Second Green Revolution: Socioeconomic and Public Policy Issues', (eds) N.Chandrasekhara Rao, Carl E Pray, Ronald J Herring, Oxford University Press, New Delhi, forthcoming January 2015

Agricultural biotechnology has opened up new opportunities for a new round of technology infusion in Indian agriculture. However, there are several concerns regarding these technologies and their utility at the farm level, and several related issues. This book examines the politics around these controversies; the political economy of agricultural biotechnology; biotechnology in relation to the right to food; the rationale and utility of labelling GM products; opportunities for the sector; impacts of research and development in the sector; field experience in India of the cultivation of Bt cotton; and likely impacts of new technologies on the horizon like herbicide-tolerant maize and drought-tolerant rice.

'Organised Retailing and Agribusiness: Implications of New Supply Chains on the Indian Farm Economy', (eds) N. Chandrasekhara Rao, R. Radhakrishna, R. K. Mishra and K. Venkata Reddy, Oxford University Press, New Delhi, forthcoming January 2015

The fast development of organised retailing has raised concerns over the likely implications for the farm sector. There are no studies bringing out empirical evidence to throw light on these issues. Against this background, this book aims to bring out the international and national experience of organised retailing and farm profitability and inclusion. It analyses likely issues of equity and gender and also the politics around the development of organised retail, and examines the



likely consequences of the entry of foreign direct investment on supply chain improvement, investment, and their impact on the farm sector.

Chapter in Edited Book

‘Socioeconomic Impact of Genetically Engineered Crops in Developing Countries’ in DVR Reddy, P Ananda Kumar, P. Lava Kumar, G. Loebenstein and C. Kameswara Rao (eds.) *Genetically Engineered Crops in Developing Countries*, Stadium Press LLC, Houston, USA

This chapter analyses the nature of technology; impacts on the agronomic, environmental, and socioeconomic aspects; and the policy and regulatory frameworks in developing countries. In addition to the substantial yield gains, growing genetically engineered crops also help to protect the environment through reduced pesticide application. The public sector is also catching up in generating the technologies that are more suitable for adoption by marginal farmers. The potential the technology offers for poverty alleviation is highlighted. This chapter highlights the desirable changes in the domestic regulatory frameworks and international laws for effective harnessing of the technology for optimum social welfare.

PRAVAKAR SAHOO

Books

Foreign Direct Investment in South Asia: Theory, Policy and Evidence, (with G Nataraj and R Das), Springer, ISBN 978-81-322-1535-6, Pp.350, September 2013.

Papers Published In Journals

‘Determinants of India’s Services Exports’, IEG Working Paper No. 333, 2014.

‘India’s Surge in Modern Services Exports: Empirics for Policy’, University of Antwerp Working Paper, 2014.

‘Foreign Direct Investment in India’ in ‘Foreign Direct Investment’ (Ed) by David Dyker, Imperial Press, Sussex University. Forthcoming, 2014.

‘Capital Inflows and Asset prices in Select Asian Countries’, with H Taguchi and G Nataraj, *International Economics*, Elsevier.

‘Attracting Foreign Investment: Policy Challenges for India’, Forthcoming working paper, National Beauru of Asian Research, Washington D C, September, 2014.

‘Japanese ODA and India’s Infrastructure Development’, Policy Research Institute (PRI), Ministry of Finance, Japan, Research report submitted to PRI, 2014. https://www.mof.go.jp/pri/international_exchange/visiting_scholar_program/ws2013_b.pdf

Book Reviews

‘Infrastructure for Asian Connectivity’. Edited by Biswa Nath Bhattacharyay, Masahiro Kawai, Rajat M. Nag. Cheltenham, UK; Edward Elgar in association with the Asian Development Bank Institute and Asian Development Bank, 2012. ISBN 978-1-78100-312-1. Forthcoming, *Pacific Affairs*, University of British Columbia, March 2015 (Volume 88, No. 1).

‘Insights into Inclusive growth, employment and Wellbeing in India’, by Arun Mitra, (2012), Springer, Pp-352, ISBN 978-81-322-0655-2, *Journal of Asia Pacific Economy*, Vol. 1, 2013.



'Insights into Inclusive growth, employment and Wellbeing in India', Mitra, A., (2012), Springer, Pp-352, ISBN 978-81-322-0655-2, Indian Journal of Human development, Vol 7 No 1, 2014.

Newspaper and Magazine Articles

'India's 2014 Budget: Enduring Challenges and New Responses', Q &A published by the National Bureau of Asian Research.

'Will India smash FDI Ceiling on defence, 21 June 2014. East Asia Forum.

'Japanese ODA to India's Infrastructure Sector: Win-Win Situation', Business Bhaskar, 30th April, 2014.

'FDI Reforms in India: Steps in the Right Direction', December issue of Yojana, 2013, journal of Planning Commission, Gol.

'Leaving Pakistan–India trade barriers up ties political progress down', 28 August 2013 <http://bit.ly/pakindia>

CSC SEKHAR

Chapter in Edited Book

'India's Agricultural Exports: Prospects and Constraints', Orient Blackswan

The study attempts to identify the export trends of different agri-commodities to identify dynamic and less dynamic commodities. We have used two different approaches for this: (1) Balassa index of Revealed Comparative Advantage (RCA) and (2) a composite measure of export dynamism. Our results suggest that the exports of commodities crucial for India's domestic food security, such as, rice, wheat, and sugar, are either stagnating or completely lagging. This may be due to the precautionary trade policy related to these commodities, based on domestic food security considerations. Other commodities that are stagnating or lagging are the ones that require processing, such as fruit and vegetables and fresh fruit juice. Therefore, binding constraints to export growth appear to be domestic food security considerations and processing infrastructure. Commodities that do not face these constraints such as oilcakes and cotton appear to be performing better.

SURESH SHARMA

Papers Published in Journals

'Consequences of Domestic Violence on Child Growth and Nutrition in India', *Demography India*, 41, 101–120, 2013.

'Contraceptive Choices among Indian Women: Is the Role of Women's Education Overemphasized?' *International Journal of Current Research*, 4 (12), December 2012, pp.180-186, published 2013.

'Contraceptive Use among Adolescent Women in Rajasthan', *Shodh Prerak*, II (2), 24–36, April 2012, published 2013.

'Impact of Education on the Contraceptive Choices of Indian Women', *Indian Journal of Population Education*, vol. 58, July–September 2012, pp 26-41, published 2013.

Books

(co-authored with William Joe et al.) 'NRHM: An Unfinished Agenda', Bookwell, Delhi, forthcoming September 2014.



 **SANJAY SRIVASTAVA**

Books

Sexuality Studies (contributing editor), Oxford University Press, 2013

Entangled Urbanism: Slum, Gated Community and Shopping Mall in Delhi and Gurgaon, Oxford University Press (forthcoming)

Research Papers

‘“Same Sex”, the Five-Year Plan Hero, and Men on Footpaths and in Gated Communities: On the Cultures of Twentieth-Century Masculinities in India’, in Rohit Dasgupta and Moti Gokulsing (eds.) *Masculinity and its Challenges in India. Essays on Changing Perceptions*. McFarland Publishers, Jefferson, NC., 2013

‘Introduction’, in Sanjay Srivastava (ed.) *Sexuality Studies*. Oxford University Press, Delhi, 2013

‘Neighbourhood, City, Gated Community: the Spatial Cultures of Indian Pornography’, in Sanjay Srivastava (ed.) *Sexuality Studies*. OUP, Delhi, 2013

‘Thrilling Affects: Sexuality, Masculinity, the City and ‘Indian Traditions’ in the Contemporary Hindi ‘Detective’ Novel’, special issue of *Interventions. Journal of Post-Colonial Studies*, Volume 15, Issue 4: 567-585, 2013

‘Shop Talk: Malls and their Publics’, in Nita Mathur (ed.) *Consumer Cultures, Modernity and Identity*. Sage, New Delhi, 2014

‘Schooling, Culture and Modernity’, in Meenakshi Thapan (ed.) *Oxford University Press Reader on the Sociology of Education*. Oxford University Press, Delhi, in press 2014

‘Divine Markets: Post-nationalism, Religion and Moral Consumption in India’, in Filippo Osella and Daromir Rudnycky (eds.) *Religion and the Morality of Markets*. Cambridge University Press, Cambridge, forthcoming

‘Urban spaces, Post-nationalism and the Making of the Consumer-Citizen in India’, in Partha Chatterjee, Tapati Guha Thakurta and Bodhisattava Kar (eds.) *New Cultural Histories of India*. Oxford University Press, New Delhi, forthcoming

‘Modi-masculinity: Media, Manhood and ‘Traditions’ in a Time of Consumerism’, *Television and New Media*, forthcoming

Occasional Paper

‘Sexuality and Culture in India: Sociological Approaches’, Occasional Paper, Department of Sociology, Pune University, 2013

Newspaper and Magazine Articles

‘Alphabetical Order to Discrimination’, *The Hindu*, April 3, 2013

‘Behind India’s Urbanism’, *The Hindu*, August 3, 2013

‘The Nation and its Children’, *DNA*, August 15, 2013

‘Family Honour’ and ‘Values’ Give Immunity to the Predator at Home’, *DNA*, September 13, 2013

‘We Don’t Need the Hangman’s Noose’, *Hindustan Times*, September 26, 2013

‘We Need a Better Public Transport System, Not Bicycle Paths’, *Hindustan Times*, October 27, 2013

‘The Talwars are not ‘Freakish’ People’, *Hindustan Times*, December 1, 2013

‘Sexuality and New Politics in Light of the Tejpal Case’, *DNA*, December 1, 2013



- 'One Set of People versus Another', *Hindustan Times*, 15 January 2014
- 'Is India faithful to the Spirit of the Constitution?', *DNA*, January 26, 2014.
- 'AAP and its Anti-Politics', *DNA*, February 15, 2014.
- 'Where Every House is Like a Clenched Fist', *Hindustan Times*, March 25, 2014.
- 'Fascism, in Other Words', *Indian Express*, April 15, 2014.
- 'Turning Guns into Ploughs is not so Farfetched', May 5, 2014
- 'Political Change does not Equal Social Transformation', *Hindustan Times*, May 27, 2014.
- 'High cut-off Tend to Cut Off Learning Abilities', *Hindustan Times*, July 9, 2014
- 'The Stranger Without a Memory', *India Today*, 14 July, 2014.

AMARNATH TRIPATHI

Chapters in Edited Books

- 'How Strong is the Threat of Climate Change for Paddy?' (with Brajesh Jha) in *Climate Change and Crop Production* (eds J. C. Dagar, A. Arumachalam, and A. K. Singh), Aviskar Publications, January 2014
- 'Profitability, Crop Productivity, and Farm Income in India' in *Agrarian Crisis in India: The Way Out* (eds. K. S. Chandra, V. Suresh Babu & P. K. Nath), Academic Foundation, December 2013.

Journal Article

- Economic Growth in Uttar Pradesh during High Growth Regime of India', *The Indian Economic Journal*, Vol. 60(3)

Working Paper

- 'Socioeconomic Backwardness Increases Climate Change Vulnerability: Evidence from Uttar Pradesh', IEG Working Paper 337, 2013-14, June 2014

Newspaper Articles (Hindi)

- 'Badalti Siyasat', *Dainik Jagran*, 24 June 2014
- 'Lubhawni Rail', *Dainik Jagran*, 15 February 2014
- 'Khadya Suraksha Ka Naya Pahlu', *Dainik Jagran*, 28 September 2013





(L-R) Nitin Desai (Chairman, IEG) and T N Madan (Honorary Treasurer, IEG) inaugurate the P N Dhar Room.



(L-R) Nitin Desai (Chairman, IEG) and T N Madan (Honorary Treasurer, IEG) inaugurate the A M Khusro Room.



The chairman, director, and honorary treasurer of the IEG felicitating colleagues Sushil Kumar Sen, P K Jain, Ram Murat Tewari and R Viswanathan (L-R) on completing 25 years of service.



Ram Singh, Mess Bearer, won second prize in the volleyball competition in the inter-district sports competition organised by the South District Zilla Panchayat, Government of Sikkim, 2013



Faculty: Ongoing Projects/Studies

BINA AGRAWAL

‘Gender and Group Farming in Kerala: A Study of the Kudumbashree Experience’, Kudumbashree Mission, Kerala, 2012 onwards

This study examines the functioning and challenges of group farming in India through an in-depth study of the Kudumbashree experience in Kerala. It provides a comparative perspective of women’s farming groups cultivating largely for subsistence and those cultivating largely for the market. It also compares group farms with the individual farms of a sample of group members. Lessons will be drawn and policy recommendations made both to strengthen the current groups and for replication in other states. Primary data is being collected.

‘Women’s Group Farming in Andhra Pradesh’, Society for Elimination of Rural Poverty, Andhra Pradesh, 2012 onwards

This study examines the productivity, history and constraints of women’s group farming in Andhra Pradesh (AP) in comparison with individual family farming. The analysis will be based on a rigorous empirical analysis of primary data, being collected from a sample of farms in three districts of AP where such group farming is being practised since 2001.

PRADEEP AGRAWAL

‘Can Foreign Portfolio Investment Contribute to Post-2015 Development Goals in Asia?’

This paper analyses the impact of foreign portfolio investment (FPI) inflows on domestic investment and GDP growth in the host country, using panel data from ten Asian countries for the period 2000-2012. We find that increases in the FPI inflows in Asia were associated with considerably increased domestic investment. The impact of FPI inflows on GDP growth is also found to be strongly positive and significant. These results suggest that developing countries should promote inflows of FPI to supplement resources for meeting post 2015 development goals.

(with Durairaj Kumarasamy) ‘Economic Impact of Foreign Portfolio Investment in India’

FPI underwent a volatile movement in India during the last twenty years. Particularly, FPI flows into India turned negative during Asian crisis in 1997-98, US financial meltdown in 2008-09 and EU crisis in 2011-12 respectively. The surge in capital inflows, especially portfolio inflows, has been induced by push factors related to the global economic environment, and pull factors related to post-crisis changes in India. Against this background, we propose to examine the impact of foreign portfolio investment on economic growth, investment, current account deficit and exchange rate levels and its volatility. The effects and policy implications of portfolio inflows are particularly important in implementing appropriate policy measures to deal with speculative shocks.



 **MONEER ALAM**

‘Inequalities in Elderly Health and Well-being: An Exploration’

With a spurt in ageing and poor old age health, analysts are now increasingly concerned about the health and well-being of the elderly populations. A great deal of this concern was however drawn with a growing realization about the specialized healthcare needs of various old age diseases and psycho-mental distresses; altogether eroding later life well-being. In many countries, and particularly in India, a clear cut evidence on some of these issues is almost nonexistent. Using a recent elderly survey, this study therefore attempts to: (1) derive an aggregate indicator of health-related well-being (HWI) for older persons, combining aspects of their functional health, chronic conditions, loco-motor disabilities, subjective health assessments (GHQ-12), and satisfaction with life using SUBI-9 scale; (2) examine disparities across groups in terms of HWI; (3) explain observed variances in the HWI, and (4) identify policy measures to augment state interventions.

(with Pratima Yadav) ‘Fiscal Implications of a Universal Old Age Pension Scheme: Some Results for India’

This exploratory analysis is an attempt to examine the overall budgetary implications of a universal non-contributory and non-means tested old age pension in India. Using secondary data sources (UNDESA, NSS, CSO, RBI, etc.) for age-wise projection of population and various social protection norms adopted recently in India to support the BPL populations, the study attempts to undertake a few simulation exercises to assess the fiscal implications of a universal old age pension. The simulation exercises were conducted by using different entitlement ages and pension amounts after making adjustments for inflation and wage growth rates. The study observes that the burden of such a pension (or total outgo) as a percentage of GDP may not be very big and would hover around 1 to 1.5 percent of total GDP. The burden reduces as the entitlement age increases or the pension amount reduces. Yet another way to reduce the fiscal burden is to bring the pension under direct tax system.

 **AMITA BAVISKAR**

‘Demolishing Delhi: Landscapes and Livelihoods in Liberalizing India’

This study focuses on changing landscapes and livelihoods in Delhi at the intersection of three sets of inter-related processes: (i) economic liberalization, (ii) the growth of the middle classes, and (iii) the rise of an activist judiciary. It analyzes these changes in the city’s economic, social and political life as a context for the phenomenon of bourgeois environmentalism, a cultural sensibility that drives collective action in pursuit of urban order, safety and health. It examines how bourgeois environmentalism narrows the discourse of public interest and citizenship in Delhi, and how excluded social groups strive to escape its constraining effects.

‘Food Practices in North India: Environment, Production and Consumption’

The multiple routes of Indian modernity can be traced through shifts in the modes of producing and consuming food. This study attempts to analyse some of these shifts by examining changing food practices in post-Independence India. It locates these changes in the context of the political economy of agriculture since the Green Revolution which brought about a profound re-articulation between food producers and consumers. It delineates the widening circuits of food as a commodity form within the home and outside. The study juxtaposes changes in affluent and middle-class consumption with the persistence of hunger and malnutrition among the poor.

‘Flora and Fauna of Rashtrapati Bhavan book project’

This volume focuses on the making of the President Estate’s flora and fauna from colonial times to the present. Its central theme is nature and culture: how vegetation and animal life in this place emerge from the interaction between natural elements such as topography, climate, soil and water, and the cultural work of landscaping and cultivation which



is informed by systems of thought, technologies and organization. The volume will not merely describe the flora and fauna of the Rashtrapati Bhavan but show how they have come into being, as a result of an ongoing process marked by imagination and effort.

 **T.A. BHAVANI**

‘Indian Manufacturing Sector: Performance and Constraints over It’

Despite inheriting a reasonable industrial base at the time of independence and adopting an industry-based development strategy, India failed to have successful industrialisation and adequate diversification of its production structure away from agriculture towards industry. Rather, it showed premature and rapid diversification to services. Why did Indian industry, especially manufacturing, remain under-sized and under-perform? I propose to critically review the existing literature on important aspects of manufacturing such as size structure, composition, employment and informal sector to look for answers for the failure of Indian industry, specifically the manufacturing sector.

 **R S BORA**

Utilization of Maternal and Child Health services by the Scheduled Castes and Scheduled Tribes in Shivpuri District of Madhya Pradesh

The proposed study intends to examine the extent to which SCs and STs avail maternal and child health services (ANC, PNC services and institutional delivery) and the economic, socio-cultural and access-related obstacles to availing such services. We also propose to examine the impact of poor access to ANC/PNC services and low proportion of institutional deliveries on birth outcomes (in the form of normal deliveries, normal weight babies, live births, low neonatal mortality rates and birth dose of polio vaccine). The success of government policies to increase awareness among SCs/STs and provide them with incentives to access delivery-related services is also being evaluated. The proposed study plan to have two phases: in the first phase we have completed an analysis of unit level data from the National Family Health Survey (NFHS-I and NFHS-III), and the second phase based on a primary survey, the analysis based on the primary survey has been completed and the drafting of the chapters is in progress.

‘Working and Living Conditions of Migrants Informal Workers after Liberalization: A Study of Slum Dwellers in Three States’, IEG/IDRC, January 2013 to October 2014.

In view of increasing rural urban-migration, urbanization and informalization of the economy, workers’ working and living conditions in the context of the inclusive growth and poverty removal is a matter of concern. The analysis of the study reveals that migrant workers are not only engaged in low-productivity insecure jobs with low incomes and wages, but are denied access to medical, health and social security provisions. The quality of economic growth in post-liberalisation India has not been inclusive. Policy planners need to generate enough jobs in the country’s urban areas so that young migrants can get decent employment opportunities for their sustainability and poverty removal.

‘Study on implementation and utilization of National Rural Health Mission (NRHM) components in Jalore and Dungarpur district of Rajasthan: A Comparative Study of Tribal and Non-Tribal Districts’, self-initiated, December 2013 to November 2014.

The available demographic and socio-economic indicators for some Tribal and Non Tribal districts are very poor particularly indicators like IMR, MMR and TFR are very high and the literacy among women is very low. How far the initiatives pursued under NHRM activities has been effective in improving these indicators in both categories of districts. Briefly, this paper seeks to assess the outreaching of NRHM activities to the rural communities at large and to the underprivileged section



of population in particular. It further aims at finding out the differences in utilization of services and implementation of NRHM activities between a focused tribal district (Dungarpur) and a non-focused district (Jalore); however, both are backward and poor in their socio-economic development.

SANGEETA CHAKRABARTY

'Is Gold a Hedge or Safe Haven? An Analysis of Stock and Gold in India', self-initiated.

Gold is always considered a safe asset. Static and Dynamic regression model is used in order to investigate the existence of gold as a hedge or a safe haven for stocks

'Inflation and Economic Growth: Evidence from SAARC Countries and China', self-initiated.

In the economic literature, the relationship between inflation and economic growth is very important topic. It is generally stated that high rate of inflation causes problems not only for individuals but for economic growth also. This paper investigates the short run and long run relationship between inflation and economic growth of SAARC countries along with China over the period of 1980-2013. Vector Error correction and Granger causality test were used to find the short run dynamics of the relationships between the two stated variables and identify the direction of causality

(with Arup Mitra) 'Economic growth, Fiscal Deficit and Employment in India: An Econometric Analysis'

The impact of fiscal deficit on economic growth is now a debated issue in India. One view suggests that a high fiscal deficit is harmful for growth. In the backdrop of this view, it is a great importance to assess empirically how fiscal deficit impacted the growth and employment in the last few decades. This study proposes to show the existence of short and long run relationship between economic growth fiscal deficit and employment (public and organized private sectors, gender wise) in India over the period of 1980-2013 using co-integration test, Granger causality test and Var model. These results have important policy implications.

NIMAI DAS

'Rethinking Ricardian Approach to Single Crop Modelling: A Discrete Choice Approach for Climate Change Adaptation in the Tea Economy', self-initiated, April 2013 to August 2014.

This study sheds light on climate sensitiveness of tea plantation sector by assessing the functional relationship of net revenue from tea farmland with climatic variables, and then simulates the impacts of foreseeable climate change on tea economy in India. Employing the Ricardian technique in single-crop modeling for optimum production behavior of tea growers, the farm level multinomial logit choice probability would be estimated through a micro-econometric analysis of climate change adaptation in the random utility model followed by estimation of 'outcome-equation/expected-profit' with semi-parametric approach of selection bias correction.

'Operationalizing Capability Approach for Inequality and Empowerment on Gender driven Participatory Forestry Program: A Structural Equation Modelling', IDRC-TTI, November 2013 to September 2014.

The aim of this study is to arrange the capability approach into a formal framework using the structural equation modelling of latent variable(s) to assess inter- and intra- household gender inequality (functioning capability) and empowerment (agency capability) for joint forest management. It is in progress, and likely to be completed by December 2014.



SAUDAMINI DAS

Heat Waves and Role of Awareness Campaign in Reducing Health Effect

This study looked into the relative effectiveness of different media that were used to disseminate the Information Education and Communication material on dos and don during heat wave days to avert heat stroke mortality in the state of Odisha. I analysed the district level death occurrences from heat stroke using count models and examined the role of media, used on the same day or on previous days, by clubbing them as either print, audio or video media. A daily panel data set consisting of only summer days (15th March to 20th June) of years 2005 to 2012 for each of the 30 districts of the state was used in the analysis. The results showed video media being more effective in reducing deaths followed by newspapers and radio.

PURNAMITA DASGUPTA

'Evaluating expert opinion on India's climate policy: opportunities and barriers to low carbon inclusive growth', collaborative research paper, under journal submission.

Ill Fares the Atmosphere, Ill Fares the Land; Climate Change and Rural Societies, collaborative, self initiated study with University of Greenwich, UK.

Cost Disabilities of Hill States in India, Project for the Fourteenth Finance Commission; October 2013 – July 2014.

Disparities exist in developmental status, as evidenced by socio-economic indicators, across hill and plain area dominated states, and within hill states as well. The interplay of biophysical and economic factors has implications for sustainable economic development of these hill areas. Important basic developmental requirements are the provision of physical infrastructure such as power and roads or connectivity; and the provision of social infrastructure that builds capacity, institutions and human skills, to ensure economic growth such as provision of health and education. This study will conduct a quantitative analysis of the costs of provision of infrastructure and basic services in achieving parity in sustainable development for hill states. The analysis is based on secondary data.

'Climate Change Preparedness in the Health Sector: An Exploratory Study', Project under the IDRC Think Tank Initiative Grant, January to September 2014.

The study examines the level of preparedness and capacity of the health care facilities to respond to potential threats from climatic change. It explores the specific priorities for ensuring sufficient capacity in the health service system to respond to threats such as heat wave or flooding; and aims to map the capabilities need to be developed within the public health care system to ensure safer, better prepared and more climate resilient communities in the future. The data for the study is based on a primary survey and includes both quantitative and qualitative analysis. The study site is the state of West Bengal which is expected to experience a temperature rise of more than 2 deg C fairly early in the time line as per currently available data on climate projections.

'GHG Emissions and Climate Change Mitigation for the Indian Economy', Ministry of Environment and Forests, Government of India; Consortium led by IEG IEG_NISTADS_DU. July 2014 – December 2015.

This study is a joint proposal from three institutions with IEG as the lead institution. There are three parallel objectives: (1) to provide scenarios for future GHG emissions from the Indian economy from a macro economic model perspective and the policy options that are available to move to a low carbon growth path from a multi-sector approach perspective; (2) construct detailed sectoral scenarios for GHG emissions and their mitigation options for a sector that is understudied currently in India, namely the waste sector and (3) assess what the above imply in terms of macroeconomic welfare indicators for the economy, with supportive statistical sub-models for capturing the trade-offs and overlaps between GDP growth, urbanization and poverty alleviation.



Methodology for the study is based on quantitative analysis based on a CGE model, Econometric analysis for macro variables, and modeling of Cost Benefit analysis for the Waste sector; and policy analysis.

NILABJA GHOSH

'Forecasting Agricultural Output Using Space, Agro- meteorology and Land Based Observations (FASAL)', Ministry of Agriculture, Government of India, 2005-18, 12th Plan period-April 2012- March 2018, Possibility of extension. (with Anita Kumari, Amarnath Tripathi, and M. Rajeshwor)

Using past information and current outlook, crop output is forecasted for major growing states for both *kharif* and *rabi* season and also projected at the national level. The estimates are provided to the Ministry of Agriculture, to help in validating official advance estimates. In each season, two mid-season forecasts are issued namely F0: sowing time and F1: end of sowing. Structural econometric equations of area and yield are estimated and forecasts are made using latest information and projected data for alternative weather scenarios. As requested by the sponsor, crop coverage has been extended to pulses, sugarcane, onion and potato. Forecasting for the newly formed states and capturing effects of climate change, technological and promotional initiatives (like Bt cotton, National Food Security Mission (NFSM), Bringing Green Revolution to Eastern India (BGREI) and rise in wage rates are other challenges. For year 2013-14 Kharif and Rabi forecasts are duly submitted. Marginal improvement in agriculture production compared to previous years 2012-13 and 2011-12 is suggested.

'Emerging new Marketing Channels in India's Agriculture'

(Impact of Emerging Marketing Channels in Agricultural Marketing-Benefit to Producer-Seller and Marketing Costs and Margins of Agricultural Commodities) (Coordinated), AERU, Ministry of Agriculture Government of India, 2009-13. (with M. Rajeshwor and Roopal Jyoti)

Reforms in agricultural market through the suggested amendments to the APMC Act have resulted in the emergence of alternative marketing channels. Although the states are moving at varying paces in keeping with their political compulsions, dynamics is noted in all cases. The study compares the emerging channels with the pre-existing traditional channels with a focus on fruits and vegetables to assess the relative efficiency of the new channel based on both quantitative measurements and qualitative perceptions of stakeholder. Team effort involving 10 AER Centres who collected primary data, conducted preliminary analysis and reported state level reality lies in the essence of this nationwide analysis.

'An Assessment of the Extent of Food Processing in various Food subsectors', AERU, Ministry of Agriculture Government of India, 2012 to May 2014

Progress: Drafts submitted in 2012 and January, 2013 Final report submitted in May 2014. (with M. Rajeshwor and Roopal Jyoti)

Food processing, by linking agriculture and industry, presents the possibility of delivering higher productivity and greater profitability to farming while generating employment both within and outside agriculture. Technological progress has in recent decades vastly improved the delivery of food to consumers in more nutrient-preserving, palatable and convenient forms. Food processing can be a way of meeting the changing tastes and needs of Indian consumers, reducing wastage and developing agriculture. A reliable data base open to public assessments and constructed with systematic methods is required for promoting the sector. Moving beyond subjective methods that are based on insights and insider information, this study is a first of its kind to create estimates of the extent to which India's agricultural products are processed. The methodology based on official secondary data was developed through wide consultations with statistical experts and the senior officials of the Ministries of Agriculture and Food processing Industries.

'Multilateral Comparisons of Agricultural Productivity', US Department of Agriculture, US Government, 2012-15 (with Anita Kumari and M. Rajeshwor)



Progress: Submitted progress reports with Estimates of Product accounts, Capital stock, Revision and Evaluation of land resources is being initiated

International comparisons of productivity levels require conversion of the values of the economic aggregates to a common currency unit using purchasing power parities. This work, initiated by the USDA, is the Indian component of larger study covering several developed and emerging economies. For estimating productivity, accounting framework outlined in the United Nations System of National Accounts will be adopted to create the product accounts. Data series of other variables like land, capital and other inputs and input services will be created using appropriate valuation methods maintaining consistency of the accounts across countries including EUROSTAT to enable international comparisons. The production accounts and estimates of productivity may be integrated into the WORLD KLEMS project led by Dr. Dale Jorgenson, Harvard University.

‘Problems of water and food insecurity in the Indian part of the Koshi River basin: A Study on Agriculture’, Koshi Basin Programme, ICIMOD, Kathmandu, Nepal, 2013-16 (with Amarnath Tripathi and Ruchin Verma)

Progress: The inception report and the Second progress report have been duly submitted to ICIMOD.

This study was initiated under the Koshi River Programme of ICIMOD supported by Austrian Aid through the Sustainable Development Investment Portfolio for South Asia. The Indian part of Koshi river basin which lies in Bihar is being studied with special focus on food, water and energy nexus because the population faces food and energy deficiencies despite having fertile soil and abundant water resource. Floods are a recurrent problem in the Koshi basin causing devastation and uncertainty for agriculture. Engineering solutions have created new problems while not eliminating floods indicative of poor management of natural resources that has several adverse implications for sustainable development. The overall study is cross-border in nature drawing participation from China, Nepal and India. Our part of the study will examine the land use, agricultural practices and productivity and efficiency aspects of farming keeping in view the issues of upstream-downstream linkages with a basin level perspective.

‘Demand Supply and Consumption of Milk and Milk products during 11th Five year plan and projections for 12th Five year plan and its cost effective procurement at farm gate’, Ministry of Agriculture Government of India, 2014-15 (with Roopal Jyoti and M. Rajeshwor)

A workshop of methodology and design was held in January 2014 and a meeting was held with the Department of Animal Husbandry and Dairying and Fisheries. A TOR is still awaited from the department although the work has been commenced tentatively on our side and based on our interest and understanding. The period of completion is also indicative and would be in keeping with the actual start of the project signaled from the Ministry.

BISHWANATH GOLDAR

‘Energy Use Efficiency in Indian Manufacturing’, individually initiated, 1 August 2013 to 31 March 2014.

The energy intensity of India’s organised manufacturing has significantly declined since 1992. The factors underlying the growing energy use efficiency in India’s organised manufacturing firms will be investigated using firm level data. The aim is to relate improvements in energy use efficiency to (1) substitution possibilities between energy and non-energy inputs; (2) changes in prices of energy input and other inputs; and (3) energy-saving technical change. The role of competitive pressure in enhancing energy use efficiency in Indian manufacturing will also be investigated.

‘Elasticity of Substitution between Labour and Capital in Major Sectors of the Indian Economy’, individually initiated, principal investigators Prof. B.N. Goldar, Prof. Basanta Pradhan and Dr Akhilesh Sharma, 1 April 2012 to 31 December 2013.

The elasticity of substitution between capital and labour is to be estimated for 15 major sectors of the Indian economy using time series data for the period 1980–81 to 2008–09. A constant elasticity of substitution (CES) production function



specification will be used for making the estimates. Time-series properties of various series will be examined and test of co-integration will be done. Besides estimating the elasticity of substitution, the nature and extent of bias in technical change will be assessed. For manufacturing, a more detailed investigation will be undertaken. The elasticity of substitution will be estimated for individual two-digit industries.

INDRANI GUPTA

‘Knowledge Network to Document Programmatic Learnings from Avahan, the India AIDS Initiative’

The primary objective of the Avahan initiative was to reduce the transmission of HIV to the general population by promoting a scaled HIV prevention model that could be replicated and adopted by various stakeholders. Since the project has completed its operations in India, the funding agency (Bill and Melinda Gates Foundation) intend to catalyze others to take over and replicate their model and key intervention strategies. It was deemed critical to re-evaluate them and to revisit other prevention strategies for suggesting effective program design and uptake for future interventions. This initiative intends to document the major strategies adopted globally for HIV prevention and reviews their efficacy in terms of program design, its costs and outcomes. The output of the five-year grant is going to be measured by the number of articles published in peer reviewed journals.

‘Scaling up Health Expenditure for Universal Health Coverage: Prospects and Challenges’

An analysis of states fiscal situation, spending on health and possibilities of expansion to meet UHC needs in light of the projections. Based on a variety of data, evidence and information, we club states based on their ability to roll out UHC. We also look at the Centres potential to increase health spending to the extent mentioned in the Plan document. We conclude by presenting the implications of the results and possible options left to India to move forward on the UHC agenda.

‘Understanding Inequities in Nepal’

This research examined the level and trend in out-of-pocket spending (OOPS) on health, and the consequent burden on Nepalese households. Using the Nepal Living Standard Survey (NLSS) data for two periods, the paper looks at the inequity of this burden and its changes over time, across ecological zones or belts, development regions, place of residence, consumption expenditure quintiles and gender of head of the household.

‘Universal Health Coverage in India’

A four-year research project has been initiated on the topic of universal health coverage to understand the various sources of health coverage, public expenditure and subsidies on existing health coverage, demand for health care, burden of health expenditure on households including OOPS, links between health expenditure and poverty and public-private dimensions of demand for care. The aim is to cover few of these pieces at a time over the four years to build up a complete picture of health coverage in India, so that planning around UHC can be focused and meaningful.

‘Urbanization, Urban Concerns and Health in India’

This paper looks at the health implications of rapid urbanization in the context of rapid growth in the slum population in India.



WILLIAM JOE

‘How to achieve MDG-5: Case of Tamil Nadu’ (with Dr Suresh Sharma), IEG-TTI, March-September 2014.

In general, India has made significant progress in reducing maternal deaths however the current rate of reduction may imply that India would be unable to achieve the MDG 5 goal. In this context, the performance of Tamil Nadu is noteworthy. The state has not only been able to reduce the MMR below 100 per thousand live births but has also displayed remarkable improvements in maternal and child health services. With this motivation, the study investigates the following research questions and objectives:

‘Demographic Dividend and Economic Growth in India’ (with Prof. Pradeep Agrawal), IEG-TTI, February-September 2014.

The paper investigates the linkages among demographic structure, economic growth and other macroeconomic variables for the period 1961-2012 by employing Johansen cointegration technique based VAR model and vector error correction model (VECM). While long-run dynamic linkages among the variables are measured, the vector error correction model is utilised to measure the dynamic adjustments in the short run. The estimates are further used to forecast economic performance of India till 2025. Preliminary finding suggests that there is negative and significant effect of youth dependency ratio on economic growth implying that India could gain from its demographic advantage in terms of achieving steady and higher economic growth.

‘Utilization of ANC and PNC services by the Scheduled Castes and Scheduled Tribes in Shivpuri District of Madhya Pradesh’ (with Dr R.S. Bora), ICSSR, August 2013 to December 2014.

The proposed study intends to examine the extent to which SCs and STs avail delivery-related services (ANC, PNC services and institutional delivery) and the economic, socio-cultural and access-related obstacles to availing such services. We also propose to examine the impact of poor access to ANC/PNC services and low proportion of institutional deliveries on birth outcomes (in the form of normal deliveries, normal weight babies, live births, low neonatal mortality rates and birth dose of polio vaccine). The success of government policies to increase awareness among SCs/STs and provide them with incentives to access delivery-related services is also being evaluated.

SABYASACHI KAR

(with Kunal Sen) ‘Boom and Bust? The Political Economy of India’s Growth Acceleration’

Are we witnessing the end of India’s growth miracle? Answering this question will require us to look beyond proximate explanations for the growth slowdown and look at the deeper political economy factors underlying the Indian growth experience, and how these have been changing over time. The phenomenon of growth booming for a certain period and then going bust is not new our previous study (Kar et al., 2013) shows that this is rampant in developing economies. In this paper, we describe a conceptual framework that explains how political settlements establish the deals world and this in turn determines growth take-offs (booms), growth sustenance and growth slowdowns (busts). Using this framework, we analyse the Indian growth experience right up to the growth slump in the recent years.

(with Lant Pritchett and Kunal Sen) ‘The Dynamics of Economic Growth: A Visual Handbook of Growth Rates, Regimes, Transitions and Volatility’

This handbook visually presents the dynamics of the growth experiences of 125 countries. These graphs highlight that economic growth is both dynamic and episodic and that many countries have experienced very different growth phases. The timing and magnitude of breaks or episodes or regime transitions for all 125 countries are identified using a standard statistical procedure. This view of economic growth as transitions across growth phases suggests the need to move beyond current approaches to studying growth, and that a third generation of theoretical models and empirical methods needs to be developed to understand what determines economic growth.



(with Lant Pritchett) 'Trillions Gained and Lost: Estimating the Magnitude of a Growth Episode'

We propose and implement a new technique for measuring the total magnitude of a growth episode: the change in output per capita resulting from one structural break in the trend growth of output (acceleration or deceleration) to the next. The magnitude of the gain or loss from a growth episode combines (a) the difference between the post-break growth rate versus a counter-factual 'no break' growth rate and (b) the duration of the episode to estimate the difference in output per capita at the end of an episode.

'Updating the IEG Macro Model'

The IEG Macro Model is updated and re estimated on a regular basis. Simulations and forecasts from the model have been provided to the Planning Commission for use in their appraisal of the 12th Five Year Plan.

ANITA KUMARI

'Profitability in Indian Agriculture', 2014–15

Despite the tremendous increase in agricultural production since 1950-51, India has been witnessing a spate of farmer's suicides. As per the recent literature, the main reason for this situation faced by farming community in India has been stated to be the inadequate returns from the crop cultivation, distress and other reasons. Further, in the light of the observation that a substantial proportion of farmers if given the choice will take up something other than farming, the focus needs to shift from the production to income/profitability in Indian agriculture. There have been few studies related to income/profitability in Indian agriculture. These studies mainly analysed the profitability of wheat and rice. But with the significant changes taking place in Indian agriculture over time, crops other than wheat and rice are equally important from the point of view of profitability. This study therefore proposes to analyse the profitability of not only wheat and rice but all the major crops across all the states for which data is available from cost of cultivation database over a sufficiently long period to assess whether the pattern in cost of inputs and profitability of a crop is same or different across states and the changes in these patterns over different time periods. The study will provide useful insights for future policy directions in Indian agriculture.

ARUP MITRA

'Urbanisation, growth, poverty and inequality'

This study examines the relationship between growth, inequality and poverty in the context of increasing urbanization. Whether agglomeration economies translate into higher growth and contribute to poverty reduction notwithstanding a rise in inequality is a pertinent question posed in this study. The analysis is carried out with state level, district level and city level data.

'Rural-to-urban Migration and Urban Labour Market'

Rural to urban migration and its relationship with the urban labour market, particularly the urban informal sector, is the focus of this study. Utilising the data from the 2011 census and NSS migration survey (2007-08) this study examines the links between rural and urban labour market characteristics and population movement from the rural to urban areas. Urbanisation and migration are associated with decline in poverty in both rural and urban areas.

'Issues in Upward Mobility'

This study based on two primary surveys of the same households in two different years (2007/08 and 2012) assesses the extent of inter-temporal change in income of the individual workers and makes an attempt to identify the factors which



explain upward mobility in alternate econometric framework, envisaging endogeneity problem. It also encompasses a host of indicators of wellbeing and constructs the transition matrix to capture the extent of change over time at the household level.

 **BASANTA K. PRADHAN**

'Agrarian Contracts and Rural Poverty in India' (with Prof. Arup Mitra)

The study proposed here will focus on the rural poor where, we will investigate to what extent traditional contractual arrangements, which are intertwined with kinship and caste relationships and may have an exploitative character, can explain the comparative lack of progress in the rural sector. The two government interventions that mainly concern us here are the rural employment guarantee scheme and the provision of all-weather roads. At a more general level, the study will thus contribute to our understanding of the link from national economic growth to poverty reduction among different social groups in remote villages.

 **N CHANDRASEKHARA RAO**

'Rise of Organised Retailing and Sustainability of Small Farm Agriculture: A Multi-State Study', sponsored by ICSSR, Delhi

This study aims to understand the implications to the smallholder cultivators of participation in modern marketing channels, represented by the supermarkets, and often referred to as organised retailers. The study involves undertaking field studies in four states to bring out a pan-Indian conclusion on the impacts of these chains for the agricultural sector. The study also aims to suggest suitable policy changes to make changes in the retailing sector beneficial to the vast majority of the country's farming community.

'Pilot Study on the Use of Diesel for Irrigation', Ministry of Agriculture, Government of India

In general, there has been a move away from in-kind subsidies to cash transfers in the country. The pricing of diesel is also being decontrolled, and there are plans for cash payments to support the farming community for the higher prices of diesel. Against this background, this study aims to bring out the total use of diesel according to the size class of farmers, crops, and regions.

 **C S C SEKHAR**

'Relationship between Wholesale Prices, Retail Prices, Export Prices and Prices Realised by Farmers'

The main aim of the study is to study the divergence among farm harvest prices, wholesale prices, retail prices and export prices (using primary and secondary data). The study also examines the relationship between market arrivals and prices at important mandis (using secondary data). Onion, grapes, and basmati rice are the selected studies.

**✦ SURESH SHARMA**

‘NRHM State Programme Implementation Plans (PIPs): Monitoring and Evaluation’ (with William Joe and R S Bora), ongoing

The Ministry of Health and Family Welfare (MoHFW), Government of India (GoI) has the Population Research Centre at the IEG monitor the quality of National Rural Health Mission (NRHM) Project Implementation Plans (PIP) in 24 high-focus districts in Delhi, Rajasthan, and Uttar Pradesh. Members and faculty of supporting research staff will visit the districts. They will use a structured interview schedule to study the progress based on key conditionality, incentives and a roadmap for priority action as suggested in the Reports of Proceeding.

‘Health Management Information Scheme (HMIS) in Delhi State’ (with William Joe), ongoing

This project requires an examination of the reporting level of the maternal and child health (MCH) services provided by public and private health institutions in Delhi. It also requires looking into the missing data by identifying erring health centres and hospitals and helping to improve the level of data uploading on the HMIS portals. Some of these institutions may also be given training in data maintenance, uploading and management systems.

✦ SANJAY SRIVASTAVA

‘Youth and the Making of New Labour’

I am currently working in different institutional settings to examine changes in the nature of paid employment and ways in which the private sector and the state combine to train young people for new professions in the service industry. My key interest is in methods of cultural training in order to instill certain ‘values’ among young people from villages who are seen to be lacking in certain forms of behavior attitudes and aptitudes that are seen to be crucial for employment in these professions.

‘New Urbanism: Changing relationships between capital, people and the state’

This project explores the relationship between globalization, new cultures of consumerism and changing ideas regarding the relationship between citizens and the state. In particular, it explores how the middle-class notion of ‘consumer-citizenship’ relates to urban governance and the activities of resident’s welfare associations, the rise of gated residential communities, the place of the urban poor, and new politics of urban spaces in India.



Faculty: Professional Positions And Memberships Of Major Bodies

BINA AGARWAL

Member, Future Earth Science Committee, July 2013 onwards

President (2012-13) and past-President (2014–16), International Society for Ecological Economics

Board member, United Nations Research Institute for Social Development, Geneva

Board member, ZEF, Centre for Development Research, Bonn

Member Science and Energy Research Board, Department of Science and Technology, Government of India

Editorial Boards, academic journals

Oxford Development Studies (Oxford)

International Labour Review (Geneva)

Environmental Values (Australia, UK)

Journal of Human Development (New York)

International Journal of Agricultural Resources, Governance and Ecology (Oxford)

International Journal of Development Issues (Australia)

Artha Vijnana (Delhi)

Indian Journal of Gender Studies (Delhi)

Women and Politics (USA)

Feminist Economics (London)

MONEER ALAM

Life Member, Indian Econometric Society, Delhi

Life Member, The Indian Association for the Study of Population (IASP), India

Life Member, Indian Society of Labour Economics, India

Member, International Union for the Scientific Study of Population (IUSSP), France



Founder Member of Asian Population Association, Bangkok, Thailand

Member, Governing Body of the CRS Institute of Social and Economic Change, MD University, Rohtak, Haryana, India

Member, National Advisory Committee Member of the Longitudinal Ageing Study in India (LASI), Indian Institute of Population Studies, Mumbai, India

 **R S BORA**

Member, Kumaun University Examination Board

PhD examiner of Meerut University (Uttar Pradesh)

 **SAMIK CHOWDHURY**

Member, Working Group on Finance, Governance and Phasing of National Urban Health Mission, Ministry of Health and Family Welfare, New Delhi, 2013

 **PURNAMITA DASGUPTA**

Member, International Society for Ecological Economics

Member, Indian Econometric Society

Member, Indian Society for Ecological Economics

Member, Team on Market and Non Market Mechanisms for Climate Change, Ministry of Environment and Forests (MoEF), Government of India (GoI) (IEG nominee)

Member, Expert Committee to evolve Environmental Standards, MoEF, GoI

Member-Author, Core Writing Team (CWT), Synthesis Report, AR5, Intergovernmental Panel on Climate Change (IPCC)

Author, Summary for Policy Makers: WG II, Impacts, Adaptation and Vulnerability, AR5, IPCC

Coordinating Lead Author, chapter 9, Rural Areas, IPCC, Working Group II, AR5 (2010-2014)

Invitee Advisor, CSO database on Climate Change Statistics, Kolkata, October 2014

Invitee UNFCCC, Presentation on Rural Areas and Human Settlements, at the Third Meeting of the

Structured Expert Dialogue on the 2014-15 Review of the adequacy of the long term goal. Subsidiary Body for Scientific and Technological Advice (SBSTA), UNFCCC, Bonn, Germany, 7 June 2014.

Member, Area Advisory Board of Natural Resources & Sustainable Development, Amity University

Governing Body Member, undergraduate college, Delhi University (till March 2014)

Member of the Peer Review Moderating Panel for the DFID/NERC/ESRC programme on Ecosystem Services for Poverty Alleviation (ESPA), London, UK (March - July 2013)

**✦ VIKRAM DAYAL**

Life Member, Indian Society for Ecological Economics (INSEE)

✦ B N GOLDAR

Member, National Statistical Commission, Government of India, July 2013 to November 2014

Convener, Standing Committee on Industrial Statistics, Central Statistical Office

Member, Expert Committee for the Development of Service Price Index, Ministry of Commerce and Industry

Editorial Boards, Academic Journals

Indian Economic Review, Delhi School of Economics

Indian Economic Journal, Indian Economic Association

Journal of International Economic Studies, Hosei University, Japan

Journal of Industrial Statistics, Central Statistical Office, Industrial Statistics Wing

✦ INDRANI GUPTA

Member, Working Group on National Health Assurance, Ministry of Health and Family Welfare

Member, Research Coordination Committee for the initiative Tackling Agriculture and Nutrition Disconnect in IGDR

Expert, National Technical Advisory Group on Immunization (NTAGI), Ministry of Health and Family Welfare

Member, Research Advisory Group, Asia Pacific Observatory on Health Systems and Policies, Asia Pacific Observatory, WHO, Asia

Member, Advisory Council, International Institute of Health Management Research, Delhi

Member, Project Review Group, Social and Behavioural Research, ICMR, New Delhi

Member, Governing Body, ARTH, Udaipur

Member, Board of Trustees, Naz Foundation, New Delhi

Member, Board of Trustees, World Health Partners, New Delhi

✦ BRAJESH JHA

Reviewer of thesis, Division of Agricultural Economics, IARI, Delhi

Reviewer of papers for *Indian Journal of Agricultural Economics*, Mumbai and *Social Change*, Delhi

**Editorial Boards, Academic Journals**

International Journal of Social Sciences

 **SABYASACHI KAR**

Life Member, Indian Econometric Society

 **DURAIRAJ KUMARASAMY**

Life Member, The Indian Econometric Society, India

 **ARUP MITRA**

Member, Working Class Income and Expenditure Survey, Labour Bureau, Government of India.

Member, Employment and Unemployment Survey, Ministry of Labour and Employment, Labour Bureau, Government of India.

 **BASANTA K. PRADHAN**

Member, Expert Committee on 'Review of Methodology of State Income in Odisha', Planning and Co-ordination Department, Government of Odisha

Member, Technical Resource Group- R&D, National Aids Control Organization, Ministry of Health, Government of India

Life Member, Indian Econometric Society

Life Member, Indian Economic Association

 **N CHANDRASEKHARA RAO****Editorial Boards, Academic Journals**

Agricultural Situation in India

 **SURESH SHARMA**

Vice-President, Indian Association for the Study of Population, 2013–15

**✦ SANJAY SRIVASTAVA**

Member, International Advisory Board, Studies in Contemporary South Asia monograph series, Palgrave Macmillan

Advisor, research project on 'Dynamics of Poverty, Inequality and Violence in Indian Cities: Towards Inclusive Planning and Policies', CEPT University, Ahmedabad and Institute for Human Development, Delhi. Funded by IDRC, Canada.

Member, Indian University Grants Commission Task Force to Review Measures for Ensuring Safety of Women on Campuses and Programs for Gender Sensitization.

Member, Board of Governors, Social Upliftment through Rural Upliftment (SUTRA), Jagjit Nagar, Himachal Pradesh, India

Member, Advisory Board, Centre for Health and Social Justice, Delhi

Member, Advisory Board, Building Safe and Inclusive Cities for Women, UN Women and Jagori, Delhi.

Editorial Boards, Academic Journals

Routledge International Encyclopedia of Men and Masculinities

Culture, Society and Masculinities

South Asia Journal of the South Asian Studies Association of Australia

Identities: Global Studies in Culture and Power

Co-editor, *Contributions to Indian Sociology*

✦ AMARNATH TRIPATHI

Life Member, Indian Society of Ecological Economics, India



Faculty: Other Academic Contributions, Lectures, Trainings, Conferences

BINA AGARWAL

Keynote speaker, Yale University, Conference on Food Sovereignty, Yale Program of Agrarian Studies and *Journal of Peasant Studies*, September 2013

Delivered public lecture on 'If Women Governed Forests' at the South Asia Institute of Harvard University, September 2013. bit.ly/saihu

Delivered keynote speech on 'Gender and Agricultural Futures', Uppsala University, Sweden, Conference on Agricultural Research for Sustainable Development Goals, 25–26 September 2013

Spoke on 'Gender and Forest Governance: Does Women's Presence Make a Difference?' at the Stockholm Seminar, Stockholm Resilience Centre, 27 September 2013. bit.ly/gendersrc

Plenary Panelist, New Hall, Cambridge University. Speaker at New Hall's 60th anniversary celebrations, 7 March 2014

Delivered public lecture on 'When Women Govern Forests: From a History of Absence to the Impact of Presence', King's College London, 19 March 2014

Gave an invited seminar on 'Domestic violence and women's property status', World Bank, Washington DC, March 24, 2014

Presented paper on 'Gender and Forest Conservation' at the Land and Poverty Conference, World Bank, Washington DC, 25 March 2014.

Gave a public seminar on 'Gender and Forest Conservation', American University, Washington DC, 26 March 2014

Served as discussant on the panel on 'Gender and Land Rights' at the World Bank, Washington DC, 26 March 2014

PRADEEP AGRAWAL

Organised a two-day workshop on 'Sustaining High Growth in India' at the Institute of Economic Growth, 25–26 July 2014

**MONEER ALAM**

Member, Organising Committee, 12th Global Seminar of the International Federation on Ageing: Health, Security and Community' at Hyderabad International Community Centre, Hyderabad, India, 10–13 June 2014

Presented a paper on 'Growing Life Span, Ageing and Later Life Income Challenges: Exploring Activity Status of Older Indians' at the IFA and Turyak International Istanbul Initiative on Ageing: Inter-generational Solidarity, Istanbul, Turkey, 4 October 2013

Participated in discussion on various TV channels (DD, Sahara, Zee News, etc.) on various socioeconomic issues

AMITA BAVISKAR

Delivered the Second North-East Water Lecture on 'Waterscapes: Bringing Culture and Power into the Debate on Rivers', organized by Society for the Promotion of Participatory Ecological Management (SOPPECOM) and Aaranyak, Guwahati, 21 June 2013

Delivered the keynote address entitled 'From the Forest to the City: Violence and Volition in Narratives of Place' at the NZ Asia Biennial International Conference organized by the New Zealand Asian Studies Society in Auckland

Gave a series of guest lectures on sociology of the environment at the Young India Fellowship Programme, Delhi, 8 January 2014

Moderated a panel discussion on 'Narratives of the Nation' organized by the Raza Foundation, Delhi, 2 April 2013

Acted as a discussant at a workshop on 'Provincial Urbanization: Examining the Role of Small and Medium Towns and Cities in India' organized by UIRF-SUBURBIN, at the School of Planning and Architecture, Delhi, 23 April 2013

Participated in a panel discussion titled 'Dialogue to Develop a Vision for the Environment of Delhi 2025' organized by Green Circle Delhi and the India International Centre, 5 June 2013

Delivered a lecture titled 'Bourgeois Environmentalism and Battles over Nature' at the PhD workshop on 'Urban Ecology as Science, Culture and Power' at the Stockholm Resilience Centre, University of Stockholm, Sweden, 10 June 2013

Presented a paper titled 'Urban Natures in the Global South' at the workshop on 'Contesting Urban Nature' organized by the Stockholm Resilience Centre, University of Stockholm, Sweden, 12 June 2013

Chaired a session of the workshop on 'Water Conflicts in North-East India' organized by Society for the Promotion of Participatory Ecological Management (SOPPECOM) and Aaranyak, Guwahati, 22 June 2013

Attended a workshop on 'Curriculum Design for the Social Sciences' organised by Habib University, Pakistan, in Colombo, Sri Lanka, 13 July 2013

Gave a talk on 'The Politics of Water: The Last Thirty Years' as the Lead Speaker at the workshop on Politics of Water: Dams, Drought, and Decentralisation organised by Kalpavriksh, Manthan, SOPPECOM, Parisar, Centre for Environment Education, and SANDRP, in Pune. 20 July 2013

Participated in a plenary debate on 'Justice for People must come before Justice for the Environment' at the 2013 World Congress of the International Union of Anthropological and Ethnological Sciences at the University of Manchester, 7 August 2013

Gave a talk entitled 'Good to Eat, Good to Think: India's Changing Food Cultures' at the South Asia Brown Bag series at Yale University



- Chaired plenary and parallel sessions of the conference on 'Food Sovereignty: A Critical Dialogue' organised at Yale University
- Gave a talk entitled 'Good to Eat, Good to Think: India's Changing Food Cultures' at the Center for South Asian Studies, University of Michigan, Ann Arbor
- Gave a lecture on Histories of Indian Environmentalism at a workshop on Environmentalism in India: Building Perspectives and Sharing Strategies organized by the Sambhaavnaa Institute of Public Policy and Politics in Palampur
- Presented a paper titled Consumer Citizenship: Food Practices and Social Inequality at a seminar on Terrains of Change: City, Citizenship and Inequalities in Emerging India organizing by the Centre for the Study of Social Systems, Jawaharlal Nehru University
- Delivered a lecture entitled Water, Culture and Power: Economics for the 21st Century to the Economics Society of Miranda House, University of Delhi
- Acted as a discussant for the workshop on Inequality and Social Mobility in Contemporary India at the Department of Sociology, University of Delhi. 8-Nov-13
- Presented a paper titled Consumer Citizenship: Food Practices and Social Aspirations at the symposium on Food Security in India: Economic, Socio-political and Environmental Dilemmas organized by the Fondation Maison des Sciences de l'Homme in Paris
- Delivered the keynote address entitled 'From the Forest to the City: Violence and Volition in Narratives of Place' at the NZ Asia Biennial International Conference organized by the New Zealand Asian Studies Society in Auckland
- Participated in a panel discussion on 'Academia and Activism' at the Palmerston Public Library, New Zealand
- Delivered a lecture entitled 'Good to Eat, Good to Think: India's Changing Food Cultures' at the Department of Anthropology, Massey University, New Zealand
- Delivered a lecture entitled 'Good to Eat, Good to Think: India's Changing Food Cultures' at the New Zealand South Asia Centre at the University of Canterbury
- Acted as a discussant for a symposium on 'Reading Adivasi Histories' at the Nehru Memorial Museum and Library, Delhi
- Acted as a resource person for the IEG-ICSSR workshop on Urban Studies at the International Centre, Goa
- Presented a paper entitled 'The Consuming Republic: Citizenship and Contemporary Food Practices' at the conference on Political Imaginaries organized by the American Institute of Indian Studies, Delhi, 11 January 2014
- Delivered the inaugural lecture entitled 'Nature, Culture and Power: Remaking Economics for Real Life' at the National Economics Festival organized by St. Stephen's College, University of Delhi, 17 January 2014
- Presented a paper on 'Environmental Conflicts and the Politics of Knowledge' at the workshop to prepare the curriculum for the Anthropocene Project course, organized by Haus der Kulturen der Welt and the Max Planck Institute for History of Science at Berlin, 25 January 2014
- Participated in a writers' workshop for preparing the India Rural Development Report 2014 for the Planning Commission, 29 January 14
- Gave a lecture titled 'Defending Place: Culture, Nature and Power' at the biennial conference of the Indian Society of Landscape Architects
- Acted as a discussant for a workshop on 'Imaginations of Climate Change' at the Department of Sociology, University of Delhi, 6 March 2014
- Acted as an expert commentator for the Transport Research and Injury Prevention Programme (TRIPP) annual lecture at the Indian Institute of Technology, Delhi



Participated in a panel discussion on 'Greening Development, Reforming Governance' at the conference on 'Growth and Social Transformation' organised by the Institute of Economic Growth, Delhi

 **T.A. BHAVANI**

Presented a paper on 'Small Scale Enterprises in India: Trends and Structural Changes in the Post-Reform Period' at the IGIDR Silver Jubilee Conference on 'Trade and Industry in India: Patterns, Trends and Policies', 22-23 October 2013

Organised training programme for Officer Trainees of the Indian Economic Service, and taught courses on microeconomics and Indian economy.

 **R S BORA**

Presented a paper entitled 'Informal workers in the Urban Slums and their Health Care Issues: A Study of Migrants in Delhi Region' at the IEG Seminar on 'Health Inequality in India: Concepts, Methods and Evidences', 23–24 July 2013

Presented a paper entitled 'Migration and Urban Informal Sector: A Study of Delhi and Satellite Towns' at the North Regional Social Science Congress Seminar on 'Social, Political and Economic Aspects of Development: Regional Perspectives', jointly organized by ICSSR Northern Regional Centre and IDS, Jaipur, 3-5 April, 2013

Presented a paper entitled 'Development, Demographic Change and Migration: A Study of Hilly States of India' at the conference on 'Revisiting Development Paradigms for Uttarakhand' organised by the Department of Humanities and Social Sciences, IIT Roorkee, 15 -16 February 2014

Presented a paper entitled 'Urban Health Care Issues of the Vulnerable Population: A Study of Slum Dwellers in the National Capital Region' at the national seminar on 'Human Rights and the State of Health in India: Quest for Social Equity with Special Reference to Mountain Areas' organised by Faculty of Social Sciences Regional Health and Family Welfare Training Centre, Motinagar, Uttarakhand, 26-27 October 2013

 **SAMIK CHOWDHURY**

Prepared Bhutan Health Equity Review Report, Thimphu, Bhutan, 15- 21 August 2013

Technical Meeting on Universal Health Coverage, SEARO, WHO, New Delhi, India, 10-12 July 2013

Urbanization and Demographic Change in China and India, Stanford Centre at Peking University, Beijing, China

Workshop on 'Universal Health Coverage: From Recommendations to Operationalization'

PHDCCI, New Delhi 4 March 2014

Workshop on 'Moving towards Universal Health Coverage', Kathmandu, Nepal, 20 -21 April 2014

**✦ SAUDAMINI DAS**

Attended international academic exchange programme at School of Development Studies, Yunnan University, Kunming, People's Republic of China

Interviewed by *China Daily Asia* on heat waves, the consequences of heat waves on health, the intensity over India (particularly East India), government initiatives, etc

Delivered two lectures on count models at the PhD students' workshop at the Institute for Studies in Industrial Development, Delhi, 9 January 2013

Gave two lectures on sustainable disaster management, natural resource and social security at the refresher course for teachers of the University of Delhi, Delhi, 11 January 2013

Delivered two lectures on the process of natural resource valuation, the techniques, the limitations, the problems in value transfer, etc. at the refresher course for in-service officers of Indian Statistical Services at the Indian Institute of Forest Management, Bhopal, India, 31 July 2013

Spoke on 'Adaptation to Heat Waves: Evaluating the role of Awareness Campaign' as an effective strategy to avert health risk to SIHFW and OSDMA office bearers as a research dissemination exercise, State Institute of Health and Family Welfare (SIHFW), Bhubaneswar, 17 January 2013

Delivered a lecture on 'Adapting to Heat Waves: Cost Estimates for Urban Informal Sector Workers' at the 'Round Table on Loss, Damage and Liability from Climate Change' at the Centre for Science Education, Delhi

Spoke on 'Does Awareness Help to adapt to Climate Extremes? Evidence from Disaster Risk Management Programme for Heat Waves in Odisha' at the SANDEE panel on Climate Change and Adaptation at the INSEE biannual conference, Tezpur University, Assam, 6 December 2013

Spoke on 'Towards Green Growth: Measuring Tradeoff between Conservation And Development' at the workshop on green growth at the Department of Analytical and Applied Economics, Utkal University, Bhubaneswar, India, 19 January 2013

Spoke on 'Economic Value of Mangroves' at CMS Vatavaran: International Environment and Wildlife Film Festival and Forum at the Indira Gandhi National Centre for Arts (IGNCA) Lawn, Delhi, 2 February 2014

✦ VIKRAM DAYAL

Taught Trainee Officers of the 35th Batch of the Indian Economic Service

✦ PURNAMITA DASGUPTA

Chaired IEG Seminar on 'Understanding the Influences on Decision-Making by Indian Foresters' by Forrest Fleischman, Delhi, 14 February 2014

Chaired INSEE Biennial Conference Session, Tezpur, January 2014

Participated in International Conference on Green Accounting in India, Ministry of Statistics and PI, Government of India, April 2013



Moderator, Summary for Policy Makers Sub group discussion on Adaptation, Bled, 19 July, 2013

Participated in National Workshop on 'Climate Change Projections, Impacts, Vulnerability and Adaptation' for India's Third National Communication to the UNFCCC, May 21st & 22nd, MoEF, GOI, 2014

Conducted Training Programme on 'Environmental Fiscal Reforms: Policy Context and Distributional Issues' at Tripura University, Agartala, on 8 November 2013

Spoke on 'Climate Change and Rural Urban Interactions', at New Delhi East Asia Summit Climate Change Adaptation Workshop, Government of Australia and CSIRO, 6 November, 2013

Conducted workshop on 'Humpty Dumpty had a great fall: What explains decline in immunisation rates in some of the well-performing areas of India?' by Health Inequality in India, IEG, Delhi, 23-24 July 2013

Spoke on 'Effectiveness of Environmental Fiscal Reforms (EFR) in dealing with Industrial pollution in context of Political Economy of India', IIM Bangalore, 12 August 2013

NILABJA GHOSH

Chaired session on 'Role of Mandi Board in Rural Development' organised by Society of Economics and Development, Punjab Agricultural University, Ludhiana, March 2014

Chaired IEG seminar by Thiagu Ranganathan

Presented a paper on 'Capital Use in Indian Agriculture: Composition and Intensity' at the 17th World Congress of the International Economic Association, Dead Sea Jordan, 6-10 June 2013

Workshop on Revisiting the Production Patterns in Indian Agriculture: A Step towards Sustainable Growth' by Nilabja Ghosh and Anita Kumari 'presented at The IDRC 'Sustaining High Growth in India', Institute of Economic Growth (IEG), Delhi, 25-26 July, 2013

Presentation accepted on 'Data Mining of Prices for Agricultural Commodities in India' by Anita Kumari and Nilabja Ghosh at the '13th Conference on Data Mining ICDM 2013' in New York, USA, 16-21 July, 2013

Organised 'Climate Change and Agricultural Performance in Uttarakhand: Status and Strategies' in National Conference on 'Revisiting Development Paradigms for Uttarakhand', Department of Humanities & Social sciences, IIT Roorkee Feb. 15-16, 2014

Organised 'FASAL Model for Forecasting of Agricultural Production in India' invited for presentation at workshop on 'OECD-FAO Agricultural Outlook Processes, Methods and Results' National Agricultural Science Centre, Pusa Complex, New Delhi, 30 April -1 May, 2013

Organised 'Advances in Econometric Models for Forecasting Output' (Dr. Nilabja Ghosh and Dr. Anita Kumari) invited for presentation at workshop on 'Crop Forecasting and Drought Assessment' at Mahalanobis National Crop Forecast Centre, Pusa Complex, New Delhi, April 30, 2013

Organised monthly briefings on the project 'Outlook and Situation Analysis for Food security' invited for regular consultations on the project conducted by NCAER and Ministry of Agriculture (Dr. Nilabja Ghosh and Dr. Anita Kumari)

Presentation on 'New Marketing Channels in Agricultural Commodities' by Dr. Nilabja Ghosh, Institute of Economic Growth, New Delhi on Thursday, June 26, 2014, at Amaltas Hall, India Habitat Centre, Lodi Road, New Delhi in Workshop on Medium Term Outlook for India's Food Sector organised by NCAER, India and supported by Food and Agriculture Organization



Refereed journal paper (September 2013) manuscript for *Journal of Mountain Research and Development* published by International Mountain Society (IMS)

Refereed articles for *Indian Journal of Agricultural Economics*, *Indian Society of Agricultural Economics* and *Journal of Social and Economic Development*, ISEC

 **BISHWANATH GOLDAR**

Presented paper on 'Sustaining a High Rate of Industrial Growth in India in the Next 10 Years' at the conference on 'Sustaining High Growth in India', IEG, 25–26 July 2013.

Presented paper on 'Gender Discrimination in Manufacturing Employment in India' (co-author: Suresh Chand Aggarwal) at the IGIDR Silver Jubilee Conference on 'Employment and Labour', IGIDR, Mumbai, 5–6 September 2013.

Presented paper on 'Growth and Productivity in Indian Manufacturing' (co-author: Sreerupa Sengupta) at the IGIDR Silver Jubilee Conference on 'Trade and Industry in India: Patterns, Trends and Policies', IGIDR, Mumbai, 22–24 October 2013.

Presented paper on 'Direction of Outward FDI of Indian Manufacturing Firms: Influence of Technology and Firm Productivity' at the 7th Annual Conference of the Forum for Global Knowledge Sharing, Indian Institute of Technology Bombay, 25–27 October 2013.

Presented paper on 'Contract Labour in Organized Manufacturing in India' (co-author Suresh R.) on the theme of 'Development from the Perspective of Labour, Experiences, Challenges and Options' at the international seminar in honour of Professor T.S. Papola at Giri Institute of Development Studies, Lucknow, 21–23 February 2014.

 **INDRANI GUPTA**

Delivered lecture on 'Addressing Inequities in Health' at the Conference on Inequity in Maternal and Child Health: Situations and Solutions, Ahmedabad

Delivered a lecture on 'Health Economics and Policy' at IIPH, Gandhinagar, 19 June 2013

Presented an invited paper on 'Urbanization, Urban Concerns and Health' at the Conference on Urbanization & Demographic Change in China and India, Beijing, China

Delivered lecture on 'Addressing Inequities in Health' at the Conference on Inequity in Maternal and Child Health: Situations and Solutions, Ahmedabad.

Presented paper on 'Scaling up health expenditure for Universal Health Coverage: Prospects and Challenges' at authors' conference at IDFC, Delhi, 4 October 2013

Gave an invited lecture on 'Health Financing for Universal Coverage' at NIFHW, Delhi, 1 November 2013

Gav a lecture on 'Health Equity' at the Conference on Advancing Universal Health Coverage in South-East Asia, Paro, Bhutan. 23 April 2014

Lecture on 'Economic Analysis: How It can be Used In Prevention, Control and Treatment of VBDS' at the Informal Expert Consultation on Vector Borne Diseases, WHO SEARO, New Delhi, 7 April 2014

** BRAJESH JHA**

Discussed urban agriculture with high-level, six-person delegation from Guangzhou Municipal People's Congress headed by Deputy Director General Ms. Zhao Xiaosui, 22 August 2013

Participated in 'Scenario for Rural Economy', an EIU research project commissioned by Syngenta

Presented paper on 'Evaluation of Price Support Scheme in Pulses, Oilseeds, Cotton and Copra' at stakeholders' workshop on 'Evaluation of Price Support Scheme in Pulses, Oilseeds, Cotton and Copra', IEG, May 2013.

 WILLIAM JOE

Conference on National Rural Health Mission: A Review of Past Performance and Future Directions, Institute of Economic Growth, Delhi 6-8 August, 2013 (with Suresh Sharma and Moneer Alam)

Organised workshop on 'Health Inequality in India: Concepts, Methods and Evidence, Institute of Economic Growth, Delhi 23-24 July, 2013 (with Nandita Saikia)

Organised international conference on Health Systems Reform in Asia: Equity, Governance and Social Impact, Singapore 13 to 16 December, 2013

 SABYASACHI KAR

DFID Governance Conference, Hyatt Regency

 DURAIRAJ KUMARASAMY

50th The Indian Econometric Society Conference (TIES), in IGIDR, MUMBAI on 22 to 24th December, 2013

 ANITA KUMARI

Presentation accepted on 'Data Mining of Prices for Agricultural Commodities in India' at the 13th Data Mining ICDM 2013 in New York, USA, 16 to 21 July, 2013 by Anita Kumari and Nilabja Ghosh

Workshop on 'Revisiting the Production Patterns in Indian Agriculture: A Step towards Sustainable Growth' presented at The IDRC on 'Sustaining High Growth in India', at Institute of Economic Growth (IEG), Delhi, 25 to 26 July, 2013 by Nilabja Ghosh and Anita Kumari

Presented 'Capital Use in Indian Agriculture: Composition and Intensity' at 17th International Economic Association, June 6 to 10 2014, Dead Sea, Jordan by Nilabja Ghosh, Anita Kumari and M. Rajeshwor 2014

Workshop on 'FASAL Model for Forecasting of Agricultural Production in India' invited for presentation at 'OECD-FAO Agricultural Outlook Processes, Methods and Results' by National Agricultural Science Centre, Pusa Complex, New Delhi, 30 April to 1 May, 2013



Workshop on 'Advances in Econometric Models for Forecasting Output' (Dr. Nilabja Ghosh and Dr. Anita Kumari) invited for presentation at 'Crop Forecasting and Drought Assessment' at Mahalanobis National Crop Forecast Centre, Pusa Complex, New Delhi, April 30, 2013

Presented monthly briefings on the project 'Outlook and Situation Analysis for Food security' invited for regular consultations on the project conducted by NCAER and Ministry of Agriculture (Dr. Nilabja Ghosh and Dr. Anita Kumari)

ARUP MITRA

Paper presented on 'Economic Growth, Inequality and Policy' in AFL-CIO Headquarters, Washington and UN, New York, 2014 (organized by Friedrich Ebert Stiftung)

Organised on 'Informal Sector in Manufacturing, Trade and Services Activities' by Issues Related to Wage-Productivity Nexus and Subcontracting, Conference in honour of Prof T. S. Papola, 2014

Organised on 'Pro-poor Growth in India' by Prof D. Mishra Endowment Lecture, Ravenshaw University, 2013

Organised on 'Can Industry Be the Key to Pro-poor Growth in India' by Prof B. Mishra Endowment Lecture, Orissa Economic Association, 2014

VEENA NAREGAL

Organised a research training workshop on 'Caste and Marginalisation: Methodological Perspectives', sponsored by the ICSSR, IEG, 17 February to 1 March 2014

Manoj Panda

Organised a panel discussion on food security at the 96th Annual Conference of the Indian Economic Association, Meenakshi University, Chennai, 27–29 December 2013.

BASANTA K. PRADHAN

Conducted a session on 'the use of SAM in evaluating the impact of social protection' for young scholars from South Asia organized by SARNET at IHD held on 12th December 2013, during 9.30 am to 12.30pm. (jointly with M R Saluja)

Chairperson for the technical session on 'ISSUES IN FAMILY PLANNING' as part of the conference on 'National Rural Health Mission: A Review of Past Performance and Future Directions', 6 to 8 August 2013 at Institute of Economic Growth, Delhi

Discussant for the paper 'Growth and Poverty Reduction in India' by Pradeep Agarwal, workshop on 'Sustaining High Growth in India' held at Institute of Economic Growth, Delhi during July 25 to 26, 2013

Discussant for the paper 'Determinants of Yields on Government Securities in India' by Pami Dua and Nishita Raje, Workshop on Macroeconomic Modelling and Policy Analysis, July 26, 2013 at IIC, Delhi



Commentator for NCAER 'Quarterly Review of Economy', May 2013

Visiting Senior Scholar at the Chr. Michelson Institute (CMI), Bergen, Norway during 1 to 30 April, 2013

 **N CHANDRASEKHARA RAO**

Organised a workshop on 'Research Methodology, Sampling Design and Survey Questionnaires of Coordinated Studies' sponsored by Ministry of Agriculture, Government of India, at IEG, 20–21 December 2013

Presented a paper entitled 'Continuing Controversies on Bt Cotton in India: Revisiting the Evidence on Production, Efficiency and Employment' at the 17th annual conference of the International Consortium on Applied Bioeconomy Research (ICABR) on 'Innovation and Policy for the Bioeconomy', Ravello, Italy, 18–21 June 2013. It was organized by the Centre for Economic and International Studies of University of Rome in collaboration with seven universities in USA, Canada and Europe.

Spoke on 'Future of Food Governance in Ensuring Future Food Supply and Farmers' Welfare' in a panel discussion on the 'Role of Technology in Food Security', chaired by Dr.S.R.Rao, Adviser, Department of Biotechnology, organised by the magazine *Governance Now*, India International Centre, Delhi, 7 November 2013.

Spoke on 'Rejuvenating Tanks' in a panel discussion chaired by Professor R. S. Deshpande in a seminar on 'Small Water Bodies in India: Status and Impact', organised by Alagappa University, Karaikudi, Tamil Nadu and sponsored by ICSSR, New Delhi, 11–12 September 2013.

Chaired the session on 'Impact of Tank Irrigation on Wage Rate, Employment and Rural Poverty' in a seminar on 'Small Water Bodies in India: Status and Impact' organised by Alagappa University, Karaikudi, Tamil Nadu and sponsored by ICSSR, New Delhi, 11-12 September 2013.

Discussant for the paper 'Indian Agricultural Performance: Past Trends and Future Prospects' by Parmod Kumar in the IEG seminar on 'Sustaining Growth: Opportunities and Challenges', 25–26 July 2013.

Chaired a session on 'Issues in Agricultural Development' in the seminar on 'Sustaining Growth: Opportunities and Challenges' organised at IEG, 25–26 July 2013.

 **SURESH SHARMA**

Organised conference on 'National Rural Health Mission: A Review of Past Performance and Future Directions', (with William Joe and Moneer Alam) IEG, 6-8 August 2013

 **SANJAY SRIVASTAVA**

Presented paper on 'New Urbanism and New Citizenship' at the conference on 'Diversity, Margins and Dialogue: Local National and Trans-national Cultures' at the UGC Centre for Advanced Studies, Department of Sociology, University of Pune, 2 April 2014

Presented paper on 'Sudden Selves: Personality Development and the Making of New Labour' at the Centre for Modern Indian Studies (University of Göttingen) Seminar Series, 19 June 2013



Presented paper on 'Divine Markets: Ethnographic Notes on the Morality of Consumption in India', Conference on Religion and the Morality of Markets, King's College London, 9–10 June 2013

Presented paper on 'The (City) State we're in: Citizens, State and Capital in Gurgaon' at the City as Social Practice Colloquium, University of Leipzig, 27 May 2013

Presented paper on 'Of Gated Communities and Shopping Malls: Life in the Post-national City', conference on 'Re-inventing the Post-colonial in the Metropolis', Chemnitz University of Technology, Chemnitz, Germany, May to 9 November 2013

Presented paper on 'A Quarter Century of Research and Writing in Social Sciences and Humanities' at conference organised by the Tejeshwar Singh Memorial Trust, 21 March 2013

Presented paper on 'Urban Spaces and the Making of Ordinarity', workshop on 'The Politics of the Ordinary', University of Göttingen, 19 May 2013

Coorganised ICSSR conference on 'Social Science Approaches to Urban Studies', with Amita Baviskar, Goa, 20 to 23 December, 2013

PRAVAKAR SAHOO

Taught macroeconomics to the 35th Batch of Trainee Officers of the Indian Economic Service, January to May 2014

AMARNATH TRIPATHI

Presented paper on 'Developing Climate Change Vulnerability Index for Agriculture: Case of Uttar Pradesh' at conference on 'Growth and Social Transformation' at IEG, 20–22 March 2014.

Presented paper on 'Farmers' Vulnerability to Climate Change and Variability: Measurements and Correlates' at the Seventh Biennial Conference on Global Change, Ecosystems, Sustainability, Tezpur University, Tezpur, 5–8 December 2013.

Presented paper on 'Farmers' Vulnerability to Climate Change and Variability: Measurements and Correlates' at the Fourth National Research Conference on Climate Change, IIT Madras, Chennai, 26–27 October 2013.

Presented paper on 'The Politics and Reality of Food Security in India' at the seminar on 'Food Security Bill and Its Implications on Backward States', AN Sinha Institute of Social Studies, Patna, 11–12 September 2013.

Presented paper on 'Changing Food Consumption of Urban Poor Households' at the IDRC-TTI workshop on 'Urban Development in India: Issues and Challenges', Institute of Rural Management, Anand, 18–19 April 2013.



HONORARY FACULTY

 **T N Madan**

PUBLICATIONS

Papers Published in Journals

'Methods in Social Science Research: Emerging Trends and Challenges', *The Eastern Anthropologist*, 66 (4), 379–85.

'Traditions, Transformations, Transcreations: The Making and Remaking of Modern Hinduism', India National Confederation and Academy of Anthropologists Occasional Papers, 29, 1–20

Chapter in Book

'Religion and Society in Our Time', in Ashok Pankaj and Ajit Pandey (eds) *Subalternity, Exclusion, and Social Change in India*, 275–94. New Delhi: Foundation Books (Cambridge University Press)

LECTURES

Delivered the Third SC Dube Memorial Oration on 'Traditions, Transformations, Transcreations: The Making and Remaking of Modern Hinduism' under the auspices of the Indian National Confederation and Academy of Anthropologists at Dibrugarh University in February 2014.

Memberships

Board of Governors of the National Gandhi Museum and Library, New Delhi.

Governing Council, Indian Council of Philosophical Research, New Delhi.

Senate, Indian Institute of Technology, New Delhi.

Executive Committee, Indira Gandhi National Museum of Man, Bhopal.



FELLOWS AND PhD SCHOLARS

ICSSR Doctoral Fellows

No.	Name of Fellow	Title of Study	University	Contact Person/ Supervisor at IEG
1	Ms. Gagandeep Kaur	Health, Reproduction and Contraception Usage amongst Adolescent Women: A Study of Slums of Delhi	University of Delhi, Dr. Aradhna Aggarwal	Dr. Suresh Sharma
2	Ms. Priti Gupta	Poverty, Migration and HIV/AIDS: A Health Economic Analysis of Uttar Pradesh—A District level case Study	Banaras Hindu University, Prof. Mrutyunjaya Mishra	Prof. B.K. Pradhan
3	Mr Kanhaiya Kumar	Patterns of Sub Caste level Discrimination among Dalits: A Study of Sonbhadra District of Uttar Pradesh		
4	Ms. Rashmi Tanwar	Urbanization Induced Rural Transformation in India with Special Reference to Haryana state	Central University of Haryana, Mahendergarh; Head, Division of Economics	Dr. Brajesh Jha
5	Mr Subhashim Goswami	The Making of Ethnographic Objects	University of Delhi, Prof Deepak Mehta	Prof. Sanjay Srivastava
6	Mr. Devender Pratap	Trade Policy and Resource Allocation in Indian Economy: A Multi-sectoral Analysis in an Economy-wide Modelling Framework	Jawaharlal Nehru University, Prof. R.K. Sharma	Prof. B.N. Goldar
7	Ms Soibam Haripriya	Memory, Violence and Space in Punjab and North-east India	University of Delhi, Prof Radhika Chopra	Prof. Sanjay Srivastava


PhD Scholars

No.	Name of Fellow	Title of Study	University / Supervisor	Contact Person/Co-Supervisor at IEG
1	Ms Sebanti Chatterjee	Western Classical Music in Goa and Shillong: Exploring the Indigenous	University of Delhi, Prof. Roma Chatterjee	Prof. Sanjay Srivastava
2	Ms Lisa Caviglia	Sex [at] work in Kathmandu: Discourses around Sexuality, Self-Perception and Society	University of Heidelberg. Christiane Brosius	Prof. Sanjay Srivastava
3	Ms Isha Chawla	The Internationalisation of Indian Firms Through Outbound Foreign Direct Investment: Nature, Determinants and Developmental Consequences	University of Delhi, Prof. A. Bhattacharjea	Prof. B. N. Goldar
4	Ms Sujata Basu	Distance to Frontier, Human Capital and Economic Growth: A Theoretical and Cross-Country Empirical Analysis	Jawaharlal Nehru University, Prof. Meeta Keswani Mehra	Prof. B.N. Goldar
5	Ms Sonia Mukherjee	The Role of Services for Productivity Growth and Manufacturing Exports: A Firm Level Analysis For India Since 2000	Jawaharlal Nehru University, Prof. Alokesh Barua,	Prof. B.N. Goldar
6	Mr Joydeep Ghosh	The Economic Impact of NREGA: A CGE analysis	GIPE, Pune	Prof. B K Pradhan
7	Mr D. S. Rawat	Status of Migrants in the Metropolitan City of Delhi: A Study of Origin and Destination	Meerut University	Dr. R S Bora
8	Ms Jaspreet Kaur	Women's Reproductive Tract Infection in Delhi Slums	University of Delhi, Prof. A. K. Kapoor	Dr Suresh Sharma



IEG Distinguished Lectures, Conferences, Workshops and Seminars

DISTINGUISHED/SPECIAL LECTURES

‘Child Undernutrition in India: Lessons Learned’ by S V Subramanian, Professor of Population Health and Geography, Harvard School of Public Health, USA, at the India International Centre, Delhi, 12 August 2013. The lecture was chaired by Prof. S.C. Gulati, Former Professor and Head, Population Research Centre, Institute of Economic Growth.

‘Does Crime Pay in Indian Politics?’ by Bhaskar Dutta, Professor, University of Warwick, UK and Distinguished Visiting Professor, Indian Statistical Institute (ISI), New Delhi at the India International Centre, Delhi, on 22 August 2013. The lecture was chaired by Prof. E. Sridharan, Academic Director of the university of Pennsylvania Institute for the Advanced Study of India (UPIASI), New Delhi.

‘The Ideational Turn in Political Economy of Food: What Michael Pollan Gets Right and Wrong’ by Ronald Herring, Professor, Cornell University, New York, USA, at the IEG on 21 January 2014. The lecture was chaired by Mr. Nitin Desai, Chairman, Board of Governors, IEG.

‘Premature Adult Mortality, Human Capital Formation and Economic Growth’ by Clive Bell, Professor Emeritus, Heidelberg University, Germany and Senior Associate Researcher at Chr. Michelson Institute (CMD) Norway at IEG, Delhi on 18 February 2014. The meeting was chaired by Mr. Ramesh Govindaraj, Lead Health Specialist, South Asia Region, World Bank.

‘Making Agriculture Work for Nutrition: Getting Policies Right’ by Prabhu Pingali, Professor of Applied Economics and Management and Director of Tata-Cornell Agriculture and Nutrition Initiative, at IEG Delhi on 10 March 2014. The lecture was chaired by Dr. Ashok Gulati, Chairman, Commission for Agriculture Costs and Prices (CACP).

‘The Economics and the Econometrics of Human Development’ by James J. Heckman, Henry Schultz Distinguished Service Professor of Economics, University of Chicago, USA and Nobel Laureate in Economics, 2000 at IEG, Delhi on 31 March 2014. The lecture was chaired by Dr. Ajay Chhibber, Director General, Independent Evaluation Office, Government of India.

CONFERENCES AND WORKSHOPS

‘Sustaining High Growth in India’, organised by Prof. Pradeep Agrawal, IEG, 25-26 July 2013.

‘NRHM: A Review of Post Performance and Future Directions’, organised by Dr. Suresh Sharma and Dr. William Joe, IEG, 6-8 August 2013.

‘Growth and Social Transformation’, IEG, 20-22 March 2014.

‘Evaluating Price Support Scheme (PSS) for Pulses and Oilseeds’, organised by Dr. Brajesh Jha, IEG, 23 May 2013.

‘Health Inequality in India: Concept, Methods and Evidence’, organised by Dr. Nandita Saikia and Dr. William Joe, IEG, 23-24 July 2013.



'Revisiting the Statistical Database for Indian Agriculture', organised by Dr. Nilabja Ghosh and Dr. Anita Kumari, IEG, November 2013.

'Health Inequality in India: Concept, Method and Evidence', organised by Dr. Nandita Saikia and Dr. William Joe, IEG, 1-2 August 2013.

'Social Science Approaches to Urban Studies', organised by Prof. Sanjay Srivastava and Dr. Amita Baviskar, Goa, 19-22 December 2013.

'Research Methodology, Sampling Design and Survey Questionnaire of Coordinated Studies' organised by Prof. N. Chandrasekhara Rao, IEG, 20-21 December 2013.

'Caste and Marginalization: A Focus on Methodological Perspectives', sponsored by ICSSR Delhi and organised by Dr. Veena Naregal, IEG, 17 February to 1 March 2014.

SEMINARS

'Frontier of Mekong Economy and its Connectivity with India', Dr. Hiyoruki Taguchi, 5 April 2013. Chaired by Prof. Arup Mitra.

'The Burden of Public Inaction: Agrarian Impasse in Growing Bihar', Dr. Kazuki Minato, 12 April 2013. Chaired by Prof. N Chandrasekhara Rao.

'Noah Revisits Biodiversity Protection Prioritization' and 'Biodiversity Prioritization and Gender', Dr. David Martin, Professor of Economics at Davidson College, Davidson, USA and Fulbright-Nehru Research Scholar, 18 April 2013. Chaired by Dr Saudamini Das.

'Sub National Variation in Neonatal Mortality in India during 1970-2010', Dr. Nandita Saikia, Assistant Professor, IEG and Mr. Chandrasekhar, PhD Scholar, International Institute for Population Sciences, Mumbai, 26 April 2013. Chaired by Prof Indrani Gupta.

'Poverty, Professions and Population: Trends over Seven Decades in a Village and a Slum near Delhi', Dr. Devesh Vijay, SRT Senior Research Fellow, IEG, 10 May 2013. Chaired by Prof Indrani Gupta.

'Democratic Politics and Legal Rights: Employment Guarantee and Food Security in India', Dr. Reetika Khera, TTI Senior Research Fellow, IEG, 13 May 2013. Chaired by Dr Devesh Vijay.

'Does Exchange Rate Intervention Contain Exchange Rate Volatility?', Dr. Arjuna Vadivel, Junior Consultant, IEG and Dr. M. Ramachandran,, Professor and Head, Department of Economics, Pondicherry University, Puducherry, 14 May 2013. Chaired by Dr Sabyasachi Kar.

'Exploring Entrepreneurial Opportunities for Afforestation', Dr. Somnath Ghosal, Assistant Professor, Centre for Studies in Social Sciences, Kolkata, 3 July 2013. Chaired by Dr Saudamini Das.

'Decomposing Poverty Change: Deciphering Absolute Change in Population and Beyond', Dr. Srijit Mishra, Associate Professor, Indira Gandhi Institute of Development Research, Mumbai, 8 July 2013.

'Total Factor Productivity of the Software Industry in India', Dr. Bimal Kishore Sahoo, Assistant Professor, IEG, 12 July 2013. Chaired by Dr Sabyasachi Kar.

'Work, Labour and Employment: Snippets from Dhantala and Aradhaknagar, Circa 1930–2010', Dr. Devesh Vijay, SRT Fellow, IEG, 19 July 2013. Chaired by Dr Brajesh Jha.

'Subnational Level Fiscal Health in India: Stability and Sustainability Implications', Dr. Nimai Das, TTI Fellow, IEG, 31 July 2013. Chaired by Dr Pravakar Sahoo.



'India and Central Asia: Trade Prospects', Dr. Seema Sangita, Assistant Professor, IEG, 16 August 2013. Chaired by Prof. Bishwanath Goldar.

'The Reserve Bank of India's Reaction to Exchange Rate Variation: A Time Varying Parametric Approach', Dr. A. Vadivel, Junior Consultant, IEG and Dr. M. Ramachandran, Professor and Head, Department of Economics, Pondicherry University, Puducherry, September 13, 2013. Chaired by Dr Sangeeta Chakravarty.

'Old Age, Social Protection and Health in Low and Middle Income Countries', Prof. Peter Lloyd-Sherlock, School of International Development, University of East Anglia, United Kingdom and Dr. Sutapa Agrawal, Public Health Foundation of India, New Delhi, 27 September 2013. Chaired by Prof Moneer Alam.

'Elasticity of Substitution between Capital and Labour in Major Sectors of the Indian Economy', Prof. B.N. Goldar, Prof. Basanta K. Pradhan and Dr Akhilesh Sharma, 4 October 2013.

'The Go-between: Interstitial Generations and Social Development in the Indian Himalayas', Dr. Jane Dyson, University of Oxford, 21 October 2013. Chaired by Prof Sanjay Srivastava.

'Why Farmers Sometimes Love Risks: Evidence from India', Dr. Annemie Maertens, University of Pittsburgh, USA, 26 November 2013. Chaired by Prof N. Chandrasekhara Rao.

'Climate Change and Labour Supply Adjustment in Low-Income Households: Evidence on Urban Workers in More Weather-Exposed Occupations', Dr. Saudamini Das, 28 November 2013. Chaired by Prof. Arup Mitra.

'Intergenerational Long Term Effects of Preschool-Structural Estimates from a Discrete Dynamic Programming Model', Dr. Lakshmi K. Raut, SSA, Washington DC and Dr. James J. Heckman, 11 December 2013. Chaired by Prof. Manoj Panda.

'Economic Management and Employment Strategies: The Case of Mauritius', Dr. Kheswar Janki, 19 December 2013. Chaired by Prof. Basanta K. Pradhan.

'Experimental Methods and Behavioural Experiments Used in Resources and Environmental Economics', Dr. Prasenjit Banerjee, University of Manchester, 24 January 2014. Chaired by Dr Vikram Dayal.

'Understanding the Influences on Decision-Making by Indian Foresters', Dr. Forrest Fleischman. Chaired by Dr. Purnamita Dasgupta, 14 February 2014.

'Feeding the Family: Food Dynamics in a Rural Bihari Joint Family', Dr. Hayden Kantor, Cornell University. Chaired by Dr. Amita Baviskar, 24 February 2014.



IEG Working Papers And Policy Briefs

WORKING PAPERS

- 'Productivity and Efficiency Impacts of Zero Tillage, Wheat in Northwest Indo-Gangetic Plains', Prakashan Chellattan Veetil and Nandita Saikia, 321/2013.
- 'Gender Gap in Life Expectancy in India', Vladimir Canudas-Romo and Nandita Saikia, 1970-2006, 322/2013.
- 'Noah Revisits Biodiversity Protection Prioritisation', David Martin, 323/2013.
- 'Biodiversity Prioritisation and Gender, David Martin, 324/2013.
- 'Cash vs. In-Kind Transfers: Indian Data Meets Theory', Reetika Khera, 325/2013.
- 'Social Accounting Matrix for India 2007-08', Basanta K. Pradhan, M.R. Saluja and Akhilesh K. Sharma, 326/2013.
- 'Democratic Politics and Legal Rights: Employment Guarantee and Food Security in India', Reetika Khera, 327/2013.
- 'Does Exchange Rate Intervention Trigger Volatility?' A.Vadivel and M. Ramachandran, 328/2013
- 'Subnational-level Fiscal Health: Stability and Sustainability Implications for Kerala, Punjab, and West Bengal', Nimai Das, 329/2013.
- 'Are Women's Issues Synonymous with Gender in India? Looking Across Geographic Space', Nira Ramachandran, 330/2013.
- 'Total Factor Productivity of the Software Industry in India', Bimal Kishore Sahoo, 331/2013.
- 'Looking for a Break: Identifying Transitions in Growth Regimes', Sabyasachi Kar, Lant Pritchett, Selim Raihan and Kunal Sen, 332/2013.
- 'Determinants of India's Services Exports', Pravakar Sahoo, Ranjan Kumar Dash and Prabhu Prasad Mishra, 333 /2013.
- 'India and Central Asia: Trade Routes and Trade Potential', Pradeep Agrawal and Seema Sangita, 334 /2013.
- 'Elasticity of Substitution between Capital and Labour in Major Sectors of the Indian Economy', Bishwanath Goldar, Basanta K Pradhan and Akhilesh K Sharma, 335 /2014.

POLICY BRIEFS

- 'Challenges of the HMIS in India: A case study of Udham Singh Nagar, Uttarakhand', Zakir Husain, Nandita Saikia and R.S.Bora, 1/2013.
- 'Financial Access in Post-reform India', T A Bhavani and N R Bhanumurthy, 2/2013.
- 'Towards Increasing Off-farm Income Opportunities for Farmers', Brajesh Jha, 3/2013.
- 'Diesel Subsidy Withdrawal: Impact on Current Account and Fiscal Deficits', Pradeep Agrawal, 4/2013.
- 'Trade Prospects between India and Central Asia', Pradeep Agrawal and Seema Sangita, 5/2013.
- 'Energy Security for India: Petroleum Demand Estimation and Projections', Pradeep Agrawal, 6/2013.
- 'The Other Side of Indian Demographics: Accelerating Growth in Ageing and its Challenges', Moneer Alam and Pratima Yadav, 7/2014.
- 'Casuarina Monocultures are not Efficient Coastal Shelterbelts: Some Evidence from Odisha', Saudamini Das and Harpinder Sandhu, 2014.



Infrastructure

Library

The IEG library contains a specialised collection of books and documents in the social sciences, with an emphasis on development and planning. It caters mainly to the needs of faculty research and training. It also has micro documents, serials and official publications brought out by research organisations, corporate bodies, international organisations and their allied agencies, universities and the Central and the State governments, departments and their research and evaluation cells.

At present, the library has about 1,44,000 accessioned documents, including books, monographs, workshop papers, conference proceedings, and about 3,000 statistical serials in the social sciences containing statistical information on India and other countries. It also has micro documents such as institutional research reports, working papers and annual reports of companies and government departments and other bodies. In addition, it has a stock of 21,000 back volumes of journals of 1,250 titles. The library receives 271 journals of which it obtains 102 journals on subscription, 61 journals in exchange and 108 gratis. The library exchanges IEG's research output and publications (including its journal *Contributions to Indian Sociology*) with similar institutions in India and abroad.

The library has a complete set of census reports commencing from 1872. For the period 1872 to 1951, the census data is in microfiche format and from 1951 to 2001 in hard copy. For 1991 and 2001, the census is also available in CDs. It also has a unique collection of old manuscripts and documents which it inherited as part of the UNESCO collection.

The IEG library has digitised IEG Working Papers, Discussion Papers, etc. All these IEG research papers (full text) may be accessed from the IEG intranet. The library has also developed a data centre. During the year, the library purchased LIBSYS software and converted its entire data into LIBSYS.

Presently, the library is being connected with the University of Delhi's LAN systems. This will allow access to many journals and databases like Taylor and Francis, Oxford University Press, Cambridge University Press, Sage Online, Econlit, JSTOR, ScienceDirect, etc.

Computer Unit

IEG's computer unit caters to about 170 users, including faculty members, supporting research staff, administration, doctoral students, IES probationary officers and affiliated visitors. We have a large local area network (LAN) serviced by the HP 460c blade server fitted with three blades, one of which is used for authentication, second for the DSpace repository and the third blade is for the applications and database services. DSpace repository is running on Linux. Apart from file repository, IEG is running database and datasets repository on database and application server. The LAN system is continually upgraded to incorporate new developments in Information Technology. Recently, the IEG acquired a high speed fibre link for NKN (National Knowledge Network) internet bandwidth over the University of Delhi's LAN system. In addition, IEG is also subscribing 4 MBPS unlimited Internet bandwidth for MTNL Broadband as an alternative bandwidth for continuous and instant access to the information. The University of Delhi's LAN connection is also being used as a gateway to access journals, online databases and other online resources. The IEG's offices are interconnected with each other using wire and wi-fi systems with the LAN. In addition, Computer Unit deployed initial setup for audio and video conferencing.



IEG has 170 i7, i5, i3, core2duo and dual core personal computers. Faculty members are provided with PCs in their offices, connected with individual simplex /duplex / MFP laser printers. They are also provided laptops. Similar facilities are provided to the IEG administrative units and senior administrative staff. In addition, there are heavy-duty network printers in the Computer Unit and the Library connected via LAN to some 35 PCs located these sections. Other facilities in the computer unit include an HP Scanjet, N9120 & 8300 Automatic Document Feeder (ADF) scanner, three high luminous LCD projectors and motor operated display panels. The faculty and other administrative staff can also conduct online and virtual conferences via web and audio through 2 PTZ cameras and 52 inches LED Screen.

For software, apart from general purpose application packages such as MS Office and Adobe Acrobat, IEG's software library has advanced econometric packages which faculty and supporting research staff can use for advanced econometric and statistical analysis. These packages include Eviews 8.0, Limdep 7.0, Stata 13.0, Stella 5.0, Vensim 5.5 (DSS), GAMS 2.5, MFIT 5.0, RATS 6.0, ArcView 9.1, SPSS 16.0 etc. Network and online database such as Ace Equity etc. are also available.

Office automation software like eTrust and VisualPay are installed in the accounts and finance section, which is mounted on application and database server located in the computer unit. This server is also mounted with in-house developing macro ERP module.

Officers' Hostel

The Institute is located in the Delhi University Enclave, adjacent to the Faculty of Management Studies on the Malka Ganj Road. The Institute's campus, spread over seven-and-a-half acres, houses the main office building, library, and residential quarters. A majority of the faculty members and a fair number of supporting staff are provided with residential accommodation on campus, which has well laid-out lawns and flower-beds, a children's park, and play-cum-recreation facilities for children.

The IEG Officers' Hostel caters primarily to the needs of participants of various training courses and orientation programmes conducted by the Institute, such as for probationers and serving officers of the Indian Economic Service, the Indian Audits and Accounts Service, and several others involving national and international institutions or donor agencies. Depending on availability, IEG's project research staff, doctoral students, affiliated visitors, IEG/Delhi University faculty, IES alumni and alumnae and guests can also stay in the hostel for limited periods. The hostel is governed by a management committee chaired by the IEG director and convened by the warden, who is usually a professor of the institute and responsible for the hostel's smooth functioning.

The hostel has two types of single bedded accommodation: (1) air-conditioned (AC) rooms and (2) special AC rooms. Air-conditioned (AC) rooms are furnished with room heating, geyser, and computer facilities. There are 26 AC rooms, which are allotted to short-term visitors as well as long-term residents. Special AC rooms are have a carpet and are furnished with a TV, room heater, geyser and telephone facilities, and are generally given only to short-term visitors. All the rooms have inter-com telephone, computer facilities and attached bathrooms. The hostel has a well-equipped fitness centre (gym).

Solar panels have been installed for heating water, especially in the winter, and a biogas plant generates cooking fuel for the hostel mess. Dr Brajesh Jha is currently the Warden of the IEG Officers' Hostel.



Non-academic Activities

On the recommendations of the Staff Welfare Fund Committee, the Director awarded one-time book grants of Rs 500 each to

Sarthak, son of Mrs. Sonia (Class 1 to 5);

Gaurav Singh Bora, son of Mr. Chanchal Singh Bora (Class 6 to 8);

Suman Kumari, daughter of Mr. Bali Ram Prasad (Class 9 to 12);

Astha Bora, daughter of Mr. Chanchal Singh; and

Lavanya Saini, daughter of Mr. Yogesh Saini.



Trustees, Governors, Board Committees, Faculty And Staff¹

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Mr Nitin Desai

Members

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Dr Sabyasachi Kar, IEG

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Ms Sindhushree Khullar, Secretary, Planning Commission

Mr Keshav Desiraju, Secretary, Health and Family Welfare, Government of India

Prof. Rajni Palriwala, Delhi School of Economics

The Chief Economic Adviser, Ministry of Finance, Government of India

1. As on 31 March 2014



Prof. Rathin Roy, Director, National Institute of Public Finance and Policy
Prof. Indu Agnihotri, Director, Centre for Women's Development Studies
Dr Rakesh Mohan, Executive Director for Bangladesh, Bhutan, India and Sri Lanka, IMF
Prof. Kanchan Chopra
Prof. Patricia Uberoi
Prof. Pulin B. Nayak, Delhi School of Economics
Prof. M Govinda Rao, Member, 14th Finance Commission
Prof. Swapna Mukhopadhyay

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Prof. T N Madan, Honorary Treasurer, IEG
Prof. Manoj Panda, Director and Member-Secretary, IEG

BOARD COMMITTEES**COMMITTEE FOR ADMINISTRATION AND FINANCE**

Mr Nitin Desai, Chairman, IEG
Prof. Ramesh Dadhich, Member-Secretary, Indian Council of Social Science Research
Prof. Arup Mitra, IEG
Prof. Indrani Gupta, IEG
Prof. T N Madan, Honorary Treasurer, IEG and Permanent Invitee
Prof. Manoj Panda, Director, IEG and Member-Secretary

ACADEMIC COMMITTEE

Prof. Manoj Panda, Director, IEG and Chairman
Prof. Moneer Alam, Head, Population Research Centre and Secretary
Prof. Pami Dua, Distinguished Social Scientist
Prof. Surinder Singh Jodhka, Distinguished Social Scientist
Prof. T Adi Bhavani, Head, IES Section and to represent special theme
Prof. N Chandrasekhara Rao, Head, Agricultural Economics Research Unit
Prof. Sanjay Srivastava, Head, Social Change and Social Structure Unit
Prof. Pradeep Agrawal, Head, Reserve Bank of India Unit
Prof. Basanta K. Pradhan, Head, Development Planning Centre
Prof. B N Goldar, Head, VKRV Rao Centre
Prof. Indrani Gupta, Head, Health Policy Research Unit
Dr R S Bora, Acting Head, Population Research Centre and Secretary, Academic Committee
Dr Purnamita Dasgupta, Acting Head, Environmental Economics Unit
Dr Sabyasachi Kar, Senior-most Associate Professor
Dr Pravakar Sahoo, Junior-most Associate Professor
Dr William Joe, Senior-most Assistant Professor
Prof. Arup Mitra, to represent special theme

**FACULTY****Honorary Professors**

Prof. Ashish Bose
Prof. C.H. Hanumantha Rao
Prof. T.N. Madan

Professors

Prof. Bina Agarwal (on lien)
Prof. T. Adi Bhavani
Prof. Pradeep Agrawal
Prof. Moneer Alam
Prof. B.N. Goldar
Prof. Indrani Gupta
Prof. Arup Mitra
Prof. Basanta Kumar Pradhan
Prof. N. Chandrasekhara Rao
Prof. Sanjay Srivastava

Associate Professors

Dr Amita Baviskar
Dr R.S. Bora
Dr Purnamita Dasgupta
Dr Vikram Dayal
Dr Nilabja Ghosh
Dr Brajesh Jha
Dr Sabyasachi Kar
Dr Veena Naregal
Dr Pravakar Sahoo
Dr C.S.C. Sekhar
Dr Suresh Chandra Sharma

Assistant Professors

Dr Sangeeta Chakravarty
Dr Samik Chowdhury
Dr William Joe
Dr Anita Kumari
Dr Amarnath Tripathi
Dr Thiagu Ranganathan

**FELLOWS AND CONSULTANTS****IDRC-TTI Fellows**

Dr Reetika Khera (Associate Professor level)

Dr Durairaj Kumarasamy and Dr Nimai Das (Assistant Professor level)

Consultant

Mr Joydeep Ghosh

Junior Consultants

Dr Swadhin Kumar Mondal, Ms Shruti Tripathi, Dr A. Vadivel, Ms Pratima Yadav

ICSSR Doctoral Fellows

Ms Gagandeep Kaur, Ms Priti Gupta, Mr Kanhaiya Kumar, Ms Rashmi Tanwar, Mr Subhashim Goswami, Ms Soibam Haripriya, Mr Devender Pratap

SUPPORTING RESEARCH STAFF**Research Officers**

Mrs Shashi Agarwal, Mrs Aradhya Bhardwaj, Mr Devmani Upadhyay

Senior Research Analyst

Mr Akhilesh Kumar

Research Analysts

Mr M. Rajeshwor, Mr Yashobanta Parida, Mr Jagdish Prasad Sahoo, Ms Chavi Mittal, Mr Yogesh C. Bhatt, Ms Neelam Jena, Ms Akanksha Gupta, Mr Jatadhari Nayak, Ms Jyotsna Sharma, Ms Isha Gangwani, Ms Roopal Jyoti Singh, Ms Malvika Mahesh, Ms Deepti Sikri, Mr Amit Kumar Jha, Mr Ram Ashish Yadav

Administrative Staff

Director: Prof. Manoj Panda

Academic Programmes Officer: Dr Sushil Kumar Sen

Senior Programmer: Mr Vinod Kumar Tyagi

Finance Officer: Mr Devi Datt Kandpal

Accounts Officer: Mr V.M. Budhiraja

Programmer: Mr Parag Kamal Sharma

Administrative Assistants: Mr D.K. Agarwal, Ms Neeta Bakhru, Mrs Uma Kumari

PA to Director: Ms Latha B.

Sr. Stenographer-cum-Office Secretary: Mrs Shashi Bala Kad, Mr Prem Wadhwa

Senior Assistants: Ms Neeta Balani, Mrs Usha Azad, Ms Ganga Bora, Mr R.Viswanathan

Sr Stenographer: Ms Nirmal



Stenographer: Mr Kaushal Kant Joshi, Mrs Sonia

Steno-typist: Mr Amit Kumar

Senior Accounts Executive: Mr Surendra Thakur

Technical Assistant (Computer): Mr Satya Narain

Assistants: Mr Mukesh Kumar, Mr Pradeep Kumar, Mr Dinesh Kumar (on lien), Mr Baliram Prasad, Mr Sanjay Jethani

Junior Assistants: Mr Harish Dutt, Mr Deepak Arora, Mr Ravinder Singh Rawat, Mr Shankar Dutt Tiwari, Mr Subhash Kumar, Ms Deepti Jain, Mr Vikas Kumar

Assistant Programmer (Computer): Mr Rajesh Chatwal

Sr. Lab Assistant (Computer): Mr Inder Kumar

Drivers: Mr Govind Singh, Mr Chanchal Singh

Despatch Rider: Mr Ram Murat Tiwari

Daftari: Mr Ganga Ram

Office Attendant: Mr Bhagirath Chaturvedi

Head Chowkidar: Mr Tek Bahadur

Chowkidar: Mr Yamuna Pal

Garden Chaudhary: Mr Bahori Lal

Mali: Mr Mahadev

Head Sweeper: Mr Gouri Lal

Sweeper: Mr Sheesh Pal, Mr Suresh Kumar

Head Cook: Mr Puran Singh

Cook: Mr Chandan Singh

Kitchen Assistant: Mr Shiv Kumar

Mess Bearer: Mr Ram Lal

Library

Librarian: Dr P. K. Jain

Professional Assistants: Mr Trilok Chand, Mrs Mahija Deepu, Mrs Puja

Semi-Professional Assistants: Mrs Geeta Paliwal, Mr Yogesh Kumar Saini

Library Attendants: Ms Jyoti Gupta, Ms Bhawna Verma, Mrs Bimla Devi

Publications Unit

Publications Manager Mr Surit Das

Editorial Associate Ms Parul Baghel Rajput

NEW COLLEAGUES

Faculty

Dr Seema Sangita, Dr Thiagu Ranganathan and Dr Samik Chowdhury (Assistant Professors)

**Administration**

Mr. Vikas Kumar, Computer

Mr Raj Kumar, Data Entry Operator

Supporting Research Staff

Ms Mansi Sachdeva, Dr Suresh R., Mr Jagadish P. Sahu, and Mr Abhirup Bhunia (Senior Research Analysts)

Mr Yashobanta Parida, Ms Ishika Gupta, Ms Anjali Dash, Ms Ishita Sachdeva, Mr Palash Kumar Malo, Mr Prakash Singh, Mr Amit Kumar Jha, Ms Neeti Gautam and Mr Abhishek (Research Analysts)

Dr Sunil Kumar Singh and Mr Anupam Sarkar (Research Assistants, Grade-I)

Mr Udai Bhan Singh, Ms Somdatta Mandal, Ms Shruti Pandey and Ms Jyoti Saini (Research Analysts/ Field Investigators)

Ms Pratima Yadav, Mr Prabhu Prasad Mishra, Ms Shruti Tripathi, Mr Rajesh Kumar, Mr Amit Sadhukhan, Dr Palakh Jain, Ms Rashmi Rastogi (Junior Consultants)

Ms Isha Chaudhury and Mr Dhananjay Jaiswal (Research Officers)

Dr Akhilesh Kumar Sharma (Fellow)

Ms Tarannum Khan and Ms Momina Khan (Research Fellows)

DEPARTURES**Faculty**

Dr Bimal Kishore Sahoo and Dr Nandita Saikia, Assistant Professor

Dr Reetika Khera and Dr Seema Sangita, TTI-IEG Fellow

Dr Zakir Husain, Associate Professor

Dr Jyoti Vig, Visiting Assistant Professor

Supporting Research Staff**Consultant**

Mr Joydeep Ghosh

Junior Consultants

Mr Swadhin Kr. Mondal, Mr Amit Sadhukhan, Ms Palakh Jain, Mr Rajesh Kumar

Senior Research Analysts

Dr Suresh R.

Ms Mansi Sachdeva



Research Analysts

Mr Jatadhari Nayak, Mr Sitakanta Panda, Ms Chavi A. Mittal, Ms Deeksha Tayal, Mr Amit Kumar Jha, Mr Udai Bhan Singh, Mr Somdatta Mondal, Ms Deepti Kohli, Mr Amit Kumar Jha, Ms Shampa Paul, Mr Anupam Sarkar, Mr Yashobanta Parida, Mr Pronay Sarkar, Dr Tarunvir Singh (Grade 1), Mr Dhananjay Jaiswal

Ms Vidya Krishnamurthi, Research Assistant

Research Officer

Mrs Shashi Agarwal (retired)

Administrative staff

Mr Suresh Rohilla, Administrative Officer

Ms Pompe Chetia, Data Entry Operator

Mr Ganga Ram, Daftari (retired)

Mr Tek Bahadur, Head Chowkidar (voluntary retirement)



Financial Report 2013-14

Receipts & Expenditure for the Year 2013-14

(Rs. in Lakhs)

	Current Year 2013-14		Previous Year 2012-13	
	Receipts	Expenditure	Receipts	Expenditure
1. REGULAR SECTIONS				
(a) Maintenance & Development Section (Non-Plan) (ICSSR)	240.15	270.22	239.80	268.10
(b) Maintenance & Development Section (Plan) (ICSSR)	40.00	40.00	40.00	40.00
(c) Indian Economic Service Section (Ministry of Finance)	234.50	234.50	219.00	219.00
(d) Population Research Centre (Ministry of H & FW)	172.45	167.22	159.06	148.08
(e) Agro Eco. Research Centre (Ministry of Agriculture)	165.00	152.15	148.00	140.39
Sub-Total	852.10	864.09	805.86	815.57
2. ENDOWMENT SECTIONS				
(a) Dr. V.K.R.V.Rao Centre for Studies in Globalisation	23.37	16.34	12.03	10.11
(b) Development Planning Centre	29.35	62.56	35.36	69.94
(c) Library Development Fund	7.86	7.76	4.87	5.30
(d) Sir Ratan Tata Fellowship Fund	22.26	9.19	19.86	15.32
(e) Chair in Environmental Economics	16.75	16.86	14.40	17.50
(f) RBI Chair in Econometrics	29.70	29.87	152.46	27.45
(g) Sir V.T.K. Memorial Lecture Fund	0.53	-	0.49	-
(h) D.Umapathy Shastri Fund	0.21	-	1.14	-
Sub-Total	130.03	142.58	240.61	145.62
3. Sponsored Projects	387.83	619.51	623.97	441.50
4. ICSSR Fellowships	25.90	22.17	20.87	25.03
5. Own Funds	381.18	205.26	333.70	270.44
6. Earmarked Funds	88.45	25.80	77.59	27.28
GRAND TOTAL (1 To 6)	1,865.49	1,879.40	2,102.60	1,725.44



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