

DEVESH ROY

International Food Policy Research Institute
Markets, Trade and Institutions Division
2033 K Street N.W.
Washington, DC 20006

Currently

IFPRI Delhi Office
NASC Complex
CG Block
DPS Road
Pusa
Delhi
110012
India

EMPLOYMENT

Research Fellow, Markets Trade and Institutions Division, International Food Policy Research Institute
,November 2007-

Post-Doctoral Fellow, Markets Trade and Institutions Division, International Food Policy Research Institute, November 2004 –October 2007

Senior Research Assistant, Africa Department, International Monetary Fund, February 2002-September 2002

Intern, Global Prospects Group, World Bank, May 2000-October 2000

Lecturer, Ramjas College, Delhi University. August 1997- May 1998

Senior Research Associate, Indian Statistical Institute, Delhi, Summer 1998

EDUCATION

2004 Ph.D. Economics, University of Maryland at College Park
Thesis Supervisors: Arvind Panagariya, Daniel Vincent, Nuno Limao,
Thesis Committee: Maureen Cropper, John List
Title: Standards as Protection Devices

1997 M.A. Economics, Delhi School of Economics, Delhi, India

1995 B.A. Economics (Hons.), University of Delhi, Delhi, India

FIELDS OF INTEREST

International Economics, Development Economics, Agricultural Economics, Health and Nutrition

FELLOWSHIPS AND AWARDS

2001-2004 Graduate Assistantship, University of Maryland

1999-2000 Graduate Fellowship, University of Maryland
1995-1996 Merit Scholarship, Delhi School of Economics
1996-1997 Professor Balbir and Ranjana Memorial Scholarship, Delhi School of Economics
1995 Anuj Mehta Award for the Best Outgoing Student, Ramjas College, Delhi University

COUNTRY RESEARCH AND REVIEW EXPERIENCE

Bangladesh, Ethiopia, Ghana, India, Indonesia, Kenya, Mauritius, Nepal, Nigeria, Pakistan, Rwanda, Zambia

PUBLICATIONS (PEER REVIEWED)

India-US Trade: Has it been up to the Potential? *Forthcoming* (joint with Prachi Mishra). In Free Trade Area of the Democracies. Edited: C. Fred Bergsten and Arvind Subramanian. Peterson Institute of International Economics. Washinton DC

Gains from Coordination in Milkfed Dairy in Punjab, India (with Kanupriya Gupta) *forthcoming - Journal of Agribusiness in Developing and Emerging Economies*

Responding to Health Risks along the Value Chain (joint with P.C. Trench, Clare Narrod and Marites Tiongco). 2012 in Reshaping Agriculture for Nutrition and Health in Shenggen Fan and Rajul Pandya Lorch ed. IFPRI, Washington DC

Explaining Inflation in India: The Role of Food Prices (with Prachi Mishra), *Forthcoming Brookings-NCAER India Policy Forum*, 2011.

Being Small: Endowments and Diversification towards high value Agriculture in India (joint with P S BIRTHAL, P K JOSHI, and AMIT THORAT. *Forthcoming –Canadian Journal of Agricultural Economics*

Export standards, market institutions and smallholder farmer exclusion from fresh export vegetable high value chains: Experiences from Ethiopia, Kenya and Zambia (with Julius Okello and Clare Narrod). *Journal of Agricultural Sciences*. Vol. 3, No. 4; December. 2011.

Trade protection and tax evasion: evidence from Kenya, Mauritius and Nigeria” (with Antoine Bouet). 2012. *Journal of International Trade and Economic Development*. 21(2), April

Trade Liberalization and Food Security in Nepal.” (joint with Bishambher Pyakuryal and Y B Thapa). 2010- *Food Policy* 35(1): 20-31.

A Supply-Chain Analysis of Food Safety Standards Related to the Use of Wastewater for Irrigation of Crops (joint with Lagerkvist Carl Johan, Helen Johansson, Ekin Birol and Clare Narrod. Paper provided by International European Forum on System Dynamics and Innovation in Food Networks in its series [2009 International European Forum, February 15-20, 2009, Innsbruck-Igls, Austria](#). number 59115.

People’s preference for safe food: A choice experiment in low income neighborhood in India (joint with Ekin Birol, Katharina Deffner and Bhushana Karandikar) *forthcoming* in Bennett, J.W. and E.

Birol (Eds.). *Choice Experiments in Developing Countries: Implementation, Challenges and Policy Implications*. Edward-Elgar Publishing, Cheltenham, UK.

The Role of Public-Private Partnerships and Collective Action in Ensuring Smallholder Participation in High Value Fruit and Vegetable Supply Chains. 2007. (joint with Clare Narrod, Karl Rich, Julius Okello, Belem Avendano and Amit Thorat). CAPRI Working Paper number 71. *Food Policy*, 2009, vol. 34, issue 1, pages 8-15

Impact of International Food Safety Standards on Smallholders: Evidence from Three Cases (joint with Clare Narrod, Julius Okello and Belem Avendano) 2008. Published in “The Transformation of Agrifood Systems: Globalization, Supply Chains, and Smallholder Farmers” edited *Ellen McCullough, Prabhu Pingali, and Kostas Stamoulis*. FAO, Rome.

National treatment and Optimal Regulation of Environmental Externality” (joint with Sumeet Gulati). 2008. – *Canadian Journal of Economics*, vol. 41(4), pages 1445-1471, November.

Success for small farmers in high value export markets. The case of Mahagrapes Farmers. (joint with Amit Thorat). 2008. *World Development*. Volume 10. Issue 36. October. Pages 1874-1890.

How Standards Drive Taxes: The Political Economy of Tailpipe Pollution. 2006. (joint with Sumeet Gulati). *The B.E. Journal of Economic Analysis & Policy*: Vol. 7 : Iss. 1 (Topics), Article 9

From Agriculture to Nutrition: Pathways, Synergies and Outcomes. 2006. Chapter 5. Agriculture and Rural Development Department. The World Bank. Washington DC.

Who Can Explain The Mauritian Miracle: Meade, Romer, Sachs or Rodrik?”, IMF Working Paper, June 2001, published in "Searching for prosperity" edited by Dani Rodrik, Princeton University Press, 2003 (joint with Arvind Subramanian).

The African Growth and Opportunity Act: Generosity Undermined”, IMF Working Paper, August 2002, published in *World Economy*, June 2003 (joint with A Subramanian and A Mattoo). (Reprinted as a chapter in the book titled “The Impact of Preferential Rules of Origin in the Textile and Clothing Sectors in Africa” ed. Roman Gryberg, published by Commonwealth Secretariat

Food Safety Research Priorities for the CGIAR – A Note from IFPRI for the Science Council (joint with Clare Narrod, Ashok Gulati, Nick Minot and Christopher Delgado).

BOOK MANUSCRIPT – PEER REVIEWED (OXFORD UNIVERSITY PRESS, 2010)

Liberalizing Foodgrains markets: Experiences, Impacts and Lessons from South Asia (joint co-edited with A Ganesh Kumar and Ashok Gulati. (Oxford University Press 2010)

Chapters in the Book

- Trade Liberalization and Food Security in Nepal (joint with Bishwambher Pyakuryal and Y B Thapa)

- Liberalization and Food Security in Bangladesh: How the Government and the Markets Delivered? (joint with Nuimuddin Chowdhury and Nasir Farid)
- Trade Liberalization and Food Security in South Asia: Analytical Framework and Synthesis. (Joint with Ashok Gulati and Ganesh Kumar)
- Trade Liberalization and Food Security in South Asia: An Introduction (Joint with Ashok Gulati and Ganesh Kumar)
- Trade Liberalization and Food Security in South Asia: The Way Forward (Joint with Ashok Gulati and Ganesh Kumar)

BOOK REVIEWS

Review of “Asia’s New Institutional Architecture: Evolving Structures for managing Trade, Financial and Security Relations (ed. Aggarwal and Koo).” *American Journal of Agricultural Economics*. (2011). 93(1). 254-256

OTHER PUBLICATIONS

BOOK MANUSCRIPT (2010)

Policies, Shocks and the recent Food Crisis: A Market Analysis of the Maize and Poultry Sector in Ghana (joint with Christoph Schmitz and Nico Herrink) published by VDM Verlag Dr. Müller (6 January 2010)

OTHER PEER REVIEWED PUBLICATIONS

Fresh Perspectives 15 - Smallholder compliance with international food safety standards is not a fantasy, April 10, 2008; (Julius Okello, Clare Narrod, Devesh Roy)
http://www.agrifoodstandards.net/en/global/fresh_perspectives.html; also in an IIED-NRI book

PAPERS UNDER REVIEW

A market experiment to test for the effect of certification and credible information on the demand for food safety: (joint with Ekin Birol and Maximo Torero)

Non-tariff barriers as Bridge to Cross (with Abdul Munasib)

Financial Reforms and International Trade (with Xing Chen and Abdul Munasib)

Close Eye or Closed Eye: The Case of Export Misinvoicing in Bangladesh (with Pranav Gupta and Kaikaus Ahmad)

Determinants of Social Attitudes in American Communities: An Explanation through Varieties of Socializing Interactions (with Abdul Munasib)

Investigating the Role of Poultry in Livelihoods and the Impact of Avian Flu on Livelihoods Outcomes in Africa: Evidence from Ethiopia, Ghana, Kenya and Nigeria (joint with Ekin Birol, Lydia Ndirangu, Yorbol Yashilikov, Dorene Asare-Marfo and country authors).

Potential Impact of Avian Flu Outbreak on Nutrition in Kenya (with Lora Iannotti)

Trade regimes and Food Security in Bangladesh Redux (with Pranav Gupta)

Free Trade and the Greening of Domestic Industry (joint with Sumeet Gulati)

Is Information Knowledge? The economics of information usage in Indian agriculture (joint with P S Birthal, D Negi and S Kumar).

Networks and Low Adoption of Modern Technology: The Case of Pearl Millet in Rajasthan, India (joint with Abdul Munasib)

SPS barriers as bridge to cross (joint with Abdul Munasib)

Social Values and International Trade: The Interplay between Social Values and Formal Finance (joint with Xing Chen and Abdul Munasib)

Impact of a Potential Avian Flu Outbreak in Ethiopia: A Multi Market Model Analysis (with Kinshen Diao and Marcelle Thomas)

The role of De-worming drugs during pregnancy in determining Birth Weight: Evidence from India's latest Family Health Survey (joint with Nisha Malhotra).

REVISE AND RESUBMIT

Assessing the Livelihood Impacts of a Livestock Disease Outbreak: An Alternative Approach (joint with Ekin Birol, Lydia Ndirangu and Yorbol Yakshilikov) - *Journal of Agricultural Economics*

Avian influenza and nutrition in young Indonesian children (with Manuel Barron and Lora Iannotti)- *Public Health and Nutrition*

WORKING PAPERS

Investigating Farmers' Choice of Pearl Millet Varieties in India to Inform Targeted Biofortification Interventions: Modalities of Multi-Stakeholder Data Collection (joint with Dorene Asare Marfo and Ekin Birol). Department of Land Economy. University of Cambridge. Discussion Paper Series. 2010.

A Latent Class Approach to Investigating Farmer Demand for Biofortified Staple Food Crops in Developing Countries: The Case of High-Iron Pearl Millet in Maharashtra, India (joint with Ekin Birol, Dorene Asare-Marfo and Bhushana Karandikar), Harvestplus Working Paper number 7.

WORK IN PROGRESS

Assessing the effects of different crises on trade: An Event Study Approach using synthetic controls (with Abdul Munasib)

Small farmers in coordinated high value chains in India: Winner takes all or all are winners (with Subhasish Gangopadhyay)

Do differentiated products need more finance for trading? (joint with Abdul Munasib)

Conformists versus contrarians in choice among improved wheat varieties: A study on adoption in Uttar Pradesh, India (joint with Linda Kleeman)

Networks and choice among modern technologies: The case of pearl millet in Maharashtra (joint with Agraj Gupta)

Export subsidies and market spells in Bangladesh (with Pranav Gupta)

POLICY BRIEFS

The Marginalization of Africa in World Trade (joint with Saswati Bora and Antoine Bouet). IFPRI Research Brief Number 7. 2007.

The way forward in Doha round – Brief – George Mason University

Liberalizing Foodgrains Markets: Experiences, Impact, and Lessons from South Asia. (joint with A. Ganesh Kumar and Ashok Gulati. IFPRI Issue Brief 64. August 2010.

Investigating the role of poultry and the impact of HPAI on livelihoods in Ghana (joint with Akwasi Mensah-Bonsu, Ekin Birol and Dorene Asare Marfo) HPAI Research Brief | No. 9 – Year: 2009

Investigating the potential Impact of HPAI on Livelihoods in Nigeria (with Benjamin Okpukpara, Ekin Birol and Dorene Asare Marfo) HPAI Research Brief | No. 10 – Year: 2009

Investigating the role of poultry in livelihoods and the impact of HPAI in Ethiopia (with Ayele, Gezahegn, Dorene Asare-Marfo, Ekin Birol) HPAI Research Brief | No. 12 – Year: 2009

Potential impact of HPAI on Ghana:A multi-market model analysis (joint with Christoph Schmitz) HPAI Research Brief | No. 14 – Year: 2009

MEDIA PUBLICATIONS

Why is Africa marginalized in World Trade (joint with Antoine Bouet and Santosh Mishra). Telos. France. October 22, 2007.

Trade, not aid, is what Africa needs – Financial Express India, March 23, 2005

Nepal: Setting Liberalization Straight – Kantipur Online, Nepal , November 23, 2005

Liberalization in Nepal: Bridging the geographical Hierarchy, Trade Insights, SAWTEE Nepal, volume 1, Number 4, 2005

Liberalization and Food Security in Bangladesh: How the Government and the Markets Delivered? Trade Insights, SAWTEE Nepal, volume 2, Number 1, 2006

Liberalization and food security in Nepal (joint with Bishwambher Pyakuryal and Y B Thapa) – Himalyan Times, November 2, 2005

Smallholder Compliance with International Food Safety Standards is not a Fantasy (joint with Clare Narrod and Julius Juma Okello). Fresh Perspectives 15. Available at http://www.agrifoodstandards.net/en/resources/global/fresh_perspectives_15_smallholder_compliance_with_international_food_safety_standards_is_not_a_fantasy

Covered in Can rising food prices deter India's growth? – Reuters (October 2009)

PROJECTS COMPLETED AT IFPRI

1. Trade Liberalization and Food Security in South Asia – Five country Studies
2. Impact of High Value Agriculture and Modern Marketing Channels on Poverty: An Analytical Framework (joint with Nicholas Minot)
3. From Plate to Plough: Diversification in Indian Agriculture and the Implications for the Smallholders
4. The Changing Context of Agriculture Nutrition Linkages (joint with Food, Consumption and Nutrition Division of IFPRI).
5. Pro poor HPAI Risk reduction strategies in Asia and Africa
6. Analysis of maize supply chain in Malawi (Project for the Bill and Melinda Gates Foundation)
7. Analysis of Trade in Comesa Countries in Africa
8. Varietal choice of pearl millet and wheat in India
9. Varietal choice of beans in Rwanda
10. Network analysis for technology choices in pearl millet and wheat in India
11. Livestock and poor funded by Bill and Melinda Gates Foundation
12. Mycotoxins and trade
13. Role of export subsidies in Bangladesh
14. Dairy supply chain development in Bangladesh

PROJECTS UNDER PROGRESS AT IFPRI

- (1). Varietal choice in pearl millet, wheat, cassava, beans in south Asia and sub-Saharan Africa.
- (2) Social learning in choice of technology
- (3) Impacts of export subsidy in Bangladesh
- (4). Performance of modern retail in India
- (5) Value chain analysis of litchi in Bihar, India
- (6) Prospects of poultry industry in India
- (7) Consumer awareness about safety and nutrition in dairy sector in India
- (8) Impact evaluation strategies for M&E of ADB investments in agribusiness development in Maharashtra and Bihar.
- (9) Ex- ante assessment of potential technologies for marginalized districts in Bihar and Odisha

STUDENT SUPERVISION

Eddie Sarpong (Cambridge University, UK), Katharina Deffner (Germany). Xing Chen (USA)

REFEREE EXPERIENCE

Canadian Journal of Economics, Food Policy, Food Security, World Development, World Economy, Journal of Agribusiness in Developing Countries, Journal of Development Studies, BE Journal and IFPRI Book Manuscripts, Research Monographs and Discussion Paper Series

MEMBERSHIPS

American Agricultural Economics Association, Canadian Economics Association, Western Economics Association, American Economic Association and member of Publications Review Committee at IFPRI. Member, Board of Editors- Journal of Agribusiness in Emerging Economies

PRESENTATIONS (IN 2012)

ISI conference on Growth and Development (December 2012), Asian Econometric Society Conference- Delhi School of Economics (December 2012). Modern Marketing Channels for Indian farmers (training lecture- Indian Economic Service officers), September 2012. Implications of FDI in retail in India (training lecture for Indian Economic Service Officers, November 2012), Panel discussion on merits and demerits in recent agricultural marketing regulation changes in India, Indian Society of Agricultural Marketing, Expanding Trolley or Improving Contents: The Case of Modern Retail in India, TAPSIM conference, New Delhi. Notion of food safety in India: Is India ready for certified food? Delhi University, September 2012.