

## Curriculum Vitae

PRADYOT RANJAN JENA

### PERSONAL INFORMATION

**Address:** International Maize and Wheat Improvement Center (CIMMYT),  
Nairobi.

**Telephone:** +254 732083413

**Email:** P.Jena@cgiar.org

**Citizenship:** Indian

**Date of Birth:** 21 July 1978

**Sex:** Male

**Marital Status:** Married

### EDUCATIONAL QUALIFICATION

Ph.D. Economics, Indian Institute of Technology (IIT) Kanpur, 2002 – 2007.  
*Dissertation:* “Impact of Trade Liberalization on Environment: The Evidence from India”.

M.Phil. Economics, University of Hyderabad, 2000 - 2002  
*Dissertation:* “Integration of Financial Markets in India: An Empirical Analysis” (Passed with 1<sup>st</sup> class).

M.A. Economics, University of Hyderabad, 1998 - 2000  
*Special Subjects:* Micro-economics, Macro-economics, Industrial Organization, Econometrics, Development Economics, International Finance, Environmental Economics (Passed with 1<sup>st</sup> class).

## EMPLOYMENT HISTORY

<b>Duration</b>	<b>Position held</b>	<b>Institution</b>	<b>Major responsibility</b>
2013 Jan – till present	Agriculture and Development Economist (equivalent to Associate Professor)	International Maize and Wheat Improvement Center (CIMMYT), Nairobi.	Poverty and hunger eradication in Sub-Saharan Africa through innovating advanced technologies in agriculture, especially in Maize and Wheat enhancing technologies. Design research projects, develop methodologies, collect and analyze primary data and publish journal papers.
2007 Sept – 2012 Dec	Research Fellow (equivalent to Assistant professor)	Institute for Environmental Economics and World Trade (IWW), Leibniz University of Hannover in Germany	Teaching Master level and undergraduate courses, Developing independent projects, raising funding for them, empirically analyzing the primary data, supervising MSc students
2006 July – 2007 Aug	Assistant Professor	National Institute of Technology (NIT) Rourkela	Teaching and Research

## AREA OF SPECIALIZATION

- **Developmental Economics**

## EXPERTISE IN QUANTITATIVE RESEARCH METHODS

I have been working with quantitative methods of data analysis particularly econometric modeling right through my PhD and beyond. The specific quantitative techniques I am experienced with are –

- Micro-econometric modeling
- Randomized Control Trial analysis
- Impact evaluation analysis
- Panel data analysis.

## PROJECT UNDERTAKEN/ RESEARCH GRANT

Table: Project description

Time period	Project title	Responsibility	Funding agency
From January 2013 till present	Assessment of Maize situation, outlook and investment opportunities in Southern and Eastern Africa	Project leader	CGIAR
From January 2013 till present	Conservation Agriculture and smallholder farmers in Southern and Eastern Africa (CASFESA)	Project leader in Kenya	EU, IFAD
From June 2013 till present	Assessing the economic impacts of Maize Lethal Necrosis (MLN) in Kenya and Tanzania	Project leader	Government of Australia
From 2011 to December 2012	Assessment of Certification System on Farmer and Trade Levels for Horticultural Products in Thailand (WEGA)	Project advisor	Federal Ministry of Education and Research, Germany.
2009-2011*	The Impacts of Forest Coffee Certification Schemes on Socio-economic Sustainability: Case studies from Ethiopia, India, and Nicaragua (COFEIN)	Project leader	Gottfried Leibniz University of Hannover
2008-2009*	Evaluating the Socio-economic benefits of Geographical Indications (GIs): A Case Study of Basmati Rice in India	Project leader	Poverty, Equity and Growth Network (PEGNet), Kiel Institute for the World Economy

Note: \* Project funding obtained from own research proposal

## COURSES TAUGHT

I have taught the following courses at IUW in Leibniz University of Hannover and at NIT Rourkela –

- Micro Economics
- Applied Econometrics
- Economic growth and inequality

- World Trade
- Trade and Environment: Theory and Evidence
- Quantitative Policy and Market Analysis (QPM)

## MSc THESIS SUPERVISION

- Integration of smallholders in the coffee value chain: A case study from India. Thesis submitted at Leibniz University of Hannover by Sabina Karki (2012).
- Effekte der Zertifizierung auf die ländliche Entwicklung. Thesis submitted to Leibniz University of Hannover by Andreas Schiller (2011).
- Impact of Garden Coffee Certification on Small-Scale Producers: A Case Study in Oromia Region of Ethiopia Thesis submitted to Leibniz University of Hannover by Bezawit Beyene (2010).
- The Impact of Coffee Production on Nepali Smallholders in the Value Chain. Thesis submitted to Leibniz University of Hannover by Rishi Kattel (2009).

## JOURNAL PUBLICATIONS

1. **Pradyot RanjanJena**, R. Majhi and B. Majhi, (2015). Development and Performance Evaluation of a Novel Knowledge Guided Artificial Neural Network (KGANN) Model for Exchange Rate Prediction. *Journal of King Saud University – Computer and Information Sciences*, In Press.
2. **Pradyot RanjanJena**, C. Ngokkuen, D. B. Rahut, U. Grote, (2015). Geographical indication protection and rural livelihoods: insights from India and Thailand. *Asian Pacific Economic Literature*, 29(1), 174-185
3. T. Kindie, M. Jaleta, **Pradyot Jena** and M. Mutenje, (2014). Identifying Potential Recommendation Domains for Conservation Agriculture in Ethiopia, Kenya, and Malawi. *Environmental Management*, 55(2), 330 - 46
4. **Pradyot RanjanJena**, U. Grote, (2012). Impact evaluation of traditional Basmati rice cultivation in Uttarakhand State of Northern India: What implications does it hold for Geographical Indications? *World Development*, 40, 1895-1907.
5. **Pradyot RanjanJena**, B. Beyene, T. Stellmacher and U. Grote, (2012). The Impact of Coffee Certification on Small-Scale Producers' Livelihoods: A Case Study from the Jimma Zone, Ethiopia. *Agricultural Economics*, 43(4), 427-438

6. **Pradyot RanjanJena**, U. Grote (2010). Changing Institutions to Protect Regional Heritage: A Case for Geographical Indications in the Indian Agrifood Sector.*Development Policy Review*,28(2), 217-236
7. **Pradyot RanjanJena**, U. Grote (2008). Growth–trade–environment nexus in India.*Economics Bulletin*, 17(11), 1-11
8. S. Managi, **Pradyot RanjanJena**, (2008). Environmental productivity and Kuznets curve in India.*Ecological Economics*, 65, 432-440
9. S. Managi, **Pradyot RanjanJena**, (2007). Productivity and Environment in India.*Economics Bulletin*, 17(1) 1-14.
10. **Pradyot RanjanJena**, B. Rath, (2006). Growth Determinants of Orissa and their Implications for Future Development of the State.*Indian Journal of Agricultural Economics*, 61(2), 200 - 17.
11. **Pradyot RanjanJena**, B. Rath and N. Sahu (2005). Impact of Trade Liberalization on Environmental Pollution: The Indian Experience (with NareshSahu and BinayakRath).*International Journal of Environment and Development*, 2(2), 253-70.
12. **Pradyot Ranjan Jena**, B. Rath (2004). Trade-Environment Linkages: Review of Theory and Evidence.*International Journal of Environment and Development*, 1(2), 149-68.
13. **Pradyot Ranjan Jena** (2004). Integration of Financial Markets in India: An Empirical Analysis. *Indian Journal of Economics and Business*, 2004, 3, 63-77.
14. **Pradyot Ranjan Jena** (2003). Financial Market Integration in India: A Cointegration Approach. *ArthaVijnana*, Vol. XLV, Nos. 1-2, March-June, pp.42-53.

### Communicated to journals

1. Can Conservation Tillage Reduce Labor Demand and Enhance Productivity? Evidence from Smallholder Farmers in Kenya (with Moti Jaleta). **Ecological Economics**.
2. The impact of coffee certification on income among smallholders in Jinotega, Nicaragua (with Till Stellmacher and Ulrike Grote). **Environment,Development and Sustainability**.

3. Fairtrade Certification and Livelihood Impacts on Small-scale Coffee Producers in a Tribal Community of India (with Ulrike Grote). **Applied Economic Perspectives and Policy**.
4. Resource Saving and Productivity Impacts of Conservation Agriculture in Ethiopia (with Moti Jaleta, Kassie Menale, TilayeTeklewold,Olaf Erenstein and Tesfaye Kindie). **Agricultural Economics**.

## **BOOK CHAPTERS**

1. Fair Trade, Environmental Labels, Bans and Ecosystem Services (with Ulrike Grote), Ecosystem Services and Global Trade of Natural Resources. Routledge: Taylor & Francis Group. 2011.
2. A Study of Changing Patterns of Energy Consumption and Energy Efficiency in Indian Manufacturing Sector. (in) *Productivity and Quality: A Multidisciplinary Perspective* (Ed), Upadhyaya et al., December, 2005.

## **CONFERENCE PROCEEDINGS**

1. A study of changing patterns of energy consumption and energy efficiency in the Indian manufacturing sector)MPRA Paper, University Library of Munich, Germany. 2011.
2. Growth-Trade-Environment Nexus in India. Proceedings of the German Development Economics Conference, Zurich 2008, Verein für Socialpolitik, Research Committee Development Economics.

## **SELECTED CONFERENCE PRESENTATIONS**

1. Potential Recommendation Domains for Conservation Agriculture in Eastern and Southern Africa. 6<sup>th</sup> World Congress on Conservation Agriculture. June 22-26, 2014. Manitoba, Canada.
2. The Impact of Coffee Certification on Small-Scale Producers' Livelihoods: A Case Study in Jimma Zone, Ethiopia. 28th Triennial Conference of the International Association of Agricultural Economists (IAAE) in Brazil from August 18 to 24, 2012.
3. Coffee certification and poverty in Nicaragua: Should we be optimistic? paper presented at PEGNet conference 2010, South Africa.

4. Does Geographical Indication (GI) labeling increase producer welfare? A case study of Basmati rice in Northern India. paper presented at the International society for ecological economics (ISEE) conference 2010, Bremen-Oldenburg, Germany.
5. Changing institutions to protect regional heritage: A case for geographical indications in the Indian agrifood sector. paper presented at the PEGNet Conference 2009: Policies for Reducing Inequality in the Developing World, Institute of Social Studies, The Hague, 3-4 September 2009.
6. Estimating environmental efficiency and Kuznets curve for India. paper presented at the International Association of Agricultural Economists Conference, Beijing, China, August 16-22, 2009.
7. Environmental Productivity and Kuznets Curve in India. paper presented at the European Association of Environmental and Resource Economists 16th Annual Conference 25 - 28 June 2008, Gothenburg, Sweden.
8. An Empirical Exposition of Growth–Trade–Environment Nexus in India. paper presented at Annual conference of German Economic Association, May 30-31 2008 at ETH Zurich.
9. Environmental Impacts of Trade Liberalization Policy. paper presented at the European Association of Environmental and Resource Economists 14th Annual Conference, 17 – 19 May 2006, Wageningen, Netherlands.
10. Trade Liberalization Policy vis–a–vis Pollution Haven Hypothesis: Empirical Evidence. Paper presented at Development Education Conference held by Centre for International Studies, Dublin City University, Ireland, on 23<sup>rd</sup> - 24<sup>th</sup> March, 2006.
11. Changing Patterns of Energy Consumption and Energy Efficiency in Indian Manufacturing Sector. presented at 11<sup>th</sup> International Conference on Productivity and Quality Research (ICPQR), IIT Delhi, December, 12 – 15, 2005.
12. Integration of Financial Markets in India: An Empirical Analysis. presented at Sixth Annual Money and Finance Conference, IGIDR, 25-27 March 2004.

## **REVIEWER OF JOURNALS**

Reviewed articles for the following journals –

- World Development
- Ecological Economics
- Agricultural Economics

- Environment and Development Economics
- Regional Environmental Change
- Food Security

### **EDITOR IN JOURNAL**

Currently in the Editorial board of the journal IJBMT (International Journal of Business and Management Tomorrow) published from Kalinga Institute of Industrial Technology (KIIT) (<http://www.ijbmt.com/index.php>).

### **STATISTICAL SOFTWARE SKILLS**

Excellent operating knowledge in the following statistical softwares: STATA, EViews, LIMDEP and SPSS

### **PROFESSIONAL MEMBERSHIP**

- International Association of Agricultural Economists (IAAE)
- European Association of Environment and Resource Economics (EAERE)
- International Society for Ecological Economics (ISEE)

### **REFERRES**

1. BinayakRath  
Retired Professor in Economics  
IIT Kanpur, India  
Email: brath@iitk.ac.in  
Contact No: 9439013585
2. Ulrike Grote  
Professor in Economics  
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(Dr. Pradyot Ranjan Jena)