

**Curriculum Vitae**  
(November 2013)  
**Dr. (Mrs.) Nilabja Ghosh (Sengupta)**

**Contact Address**

Dr (Ms) Nilabja Ghosh (Sengupta)  
Institute of Economic Growth  
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**Position**

Associate Professor in IEG since 2002  
Agricultural economics research Unit (AERU)  
Team leader FASAL project, Ministry of Agriculture **since 2005-6**  
**Past experience:** Lecturer (project) Indian Statistical Institute in Calcutta,  
Lecturer in Economics (permanent), Calcutta University, Consultant at NCAER  
and NIPFP in Delhi, Associate Professor (Leave vacancy) in IES unit, IEG.

**Qualifications**

Ph.D. Indian Statistical Institute: Supply responses in Indian  
Agriculture 2000  
M.A. Calcutta University: Economics with Econometrics 1983  
B.Sc Presidency College Calcutta: Econ Hons 1981.

## Experience

### **Research:** Agriculture, Resources and Development

Supply responses, Fertilizer use and organic farming, Education, Gender, Globalization, Food marketing and processing, Econometric modeling, Forecasting of output, Measurement of inputs and output in agriculture.

### **Emphasis on Team work and Policy focus in research.**

### **Publication of Research papers**

#### Journals

Economic and Political Weekly, Indian Journal of Agricultural Economics, Indian Journal of Labour Economics, Ecological Economics (Elsevier), Demography India, Journal of Industrial Statistics, Journal of Food studies

#### Chapters in Books

Oxford University Press, Palgrave McMillan, Routledge-Taylor and Francis, Springer, Academic Foundations etc.

Books: three books, and one forthcoming.

### **Select publications:**

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

“Linking farms with Consumers through Organized retail chains: Implication for producers” Chapter in Book *Organised Retailing and Agri-Business: Implications of New Supply Chains on the Indian Farm Economy* edited by N. Chandrasekhara Rao, R. Radhakrishna, R.K. Mishra and K. Venkata Reddy (forthcoming) published by Springer.

“Volatility and Price Discovery in Indian Wheat Market” authors – (Nilabja Ghosh, Sangeeta Chakravarty, Shailesh Kumar) in a Book *Effects of Futures markets on Agricultural Commodities* edited by Madhoo Pavaskar and published by **TAER** 2009.

“Measuring the Efficacy of Targeted Public Programmes: Public Works Programmes in India” (Nilabja Ghosh and B. Guha Khasnobis) article in Book Food Security Indicators, Measurement, and the Impact of Trade Openness, edited by Guha Khasnobis, Acharya and Davis (by ICSSR, UNU-WIDER and FAO), **Oxford University Press**, 2008.

“Progress of School Education, Gender and Imbalances: The case of Uttarakhand state in India”, Authors-Suresh Sharma and Nilabja Ghosh article published in refereed journal **Demography India**, (Journal of Vol. 36, No. 2 July-December 2007

“Reducing dependence on Chemical fertilizers and its Financial Implications for Farmers in India” article published in refereed journal ***Ecological Economics*** (Elsevier Journal) Vol 49/2, pages 149-162 2004.

### **Select presentations:**

“Measuring capital Stocks in Indian Agriculture” using concave depreciation presented at US Department of Agriculture Washington DC 2013.

“Do Asset poor Farmers gain from Market reforms?” Paper presented to National Symposia *Agrarian change and small farmers* At G B Pant Social Science Institute, Allahabad, March, 2012.

“Controlling Climate change” presented at the *International Economic Association 16<sup>th</sup> World Congress held in Beijing, China*, on July 2011

“Food Security of Women in Agriculture” Joint paper presented at ***UNU-WIDER Seminar on Gender and Food security Accra*** in May 2007

**Teaching:** Lectures on current issues in agriculture, food security and rural development as and when invited for Indian Economic Service training programmes and in similar courses in other institutes.

Also, taught in University degree courses on Economics and Business Economics for 10 years, Managerial Economics in reputed Management Institute in New Delhi.

**Organization-** Organized national level Workshop and Conference.

**Administration:** Regular interaction with funding agencies/Government and with Institute’s Administration and Finance office and Emphasis on timely delivery of report.

Served as Head of Agricultural Research Unit in IEG for 2 years (6 member team) and Team leader and coordinator of FASAL project since 2005 (6 member team in FASAL) till date.

Served as Head of Department in degree College.

### **Supervision, Examiner, Reviewer and Memberships:**

Supervised Projects of post-graduate trainees and probationers, supervising formally Ph.D. scholars registered in Calcutta University and Kumaon University and guided other scholars.

Examiner of M.Phil and Ph. D. dissertations (Delhi University, Calcutta University, JNU). Examiner of B.Sc Honours and Pass Economics in Calcutta University.

Evaluation of book manuscripts for reputed publishers (OUP, SAGE), project proposals for funding organizations (ICSSR) and research articles from reputed international and national journals (International Association of Agricultural Economics, Indian Society of Agricultural Economics, International Mountain research Society, and National institute of Bank Management etc.)

Rapporteur/Discussant/Chair at conferences, participation at Sponsor and Donor consultations (DFID, World Bank, Ministry), deposition before Parliamentary Committee.

Member of Research Advisory Committee of the *National Institute of Rural Development* (NIRD), Hyderabad.

### **Current and recently finished research Projects**

- 'FASAL (Forecasting of Agricultural output with Satellite, Meteorological and Land based observation)' for *regular in-season forecasting* of crop production under Ministry of Agriculture, Government of India and in partnership with ISRO and IMD (**on going Team work**) since 2005.
- 'Reforms in Agricultural marketing and the emerging channels' meta-analysis of primary data and literature review, **Coordinating 11 Agro-Economic Research Centres** (submitted to Ministry of Agriculture).
- 'Assessing the extent of Food processing in various sub-sectors in India' solicited by the Ministry of Food Processing Industries, Government of India **for urgent current policy needs (draft submitted and being updated)**.
- Other studies assigned time to time by the Ministry of Agriculture, government of India for policy needs in connection with my lead role in FASAL.
- **"Indian Himalayan regions: The status of Demography and Development"** (Nilabja Ghosh and Suresh Sharma)- assigned by ICIMOD (international) for facilitating deliberations at COP 17 in Durban 2011. The paper was presented at an international forum in *ICIMOD*,

*Kathmandu.*

- **“Land use, Agriculture and Food security of the Himalayan regions of India”** (Nilabja Ghosh and Suresh Sharma)- assigned by ICIMOD (international) for facilitating deliberations at COP 17 in Durban 2011. The paper was presented at an international forum in *ICIMOD, Kathmandu*.
- ‘Role of Climate change and Agricultural Performance’ a review of literature based study desired by Ministry of Agriculture, Government of India.
- “Measuring capital Stocks in Indian Agriculture” assuming concave depreciation schedules using methodology in line with the methods recommended by the OECD Capital Stock Manual (in progress). ‘Assessing value of land in Indian agriculture’ (also in process).

#### **Partnership in international collaborative projects**

- *Himalayan Climate Change Adaptation Programme (HICAP)*- a 5 year project that aims to contribute to enhanced resilience to change especially climate change in the HKH region. Partnership of reputed Institutes located in the Himalayan-Hindukush (HKH) countries promoted by multi-lateral body ICIMOD (Kathmandu), CICERO (Norway), UNEP/GRID-Arendal and implemented by ICIMOD.
- *Multilateral Comparisons of Agricultural Productivity Among Developed and Developing Countries* Indian partner( Nilabja Ghosh, Anita Kumari, M. Rajeshwor) in an *international initiative* of the US Department of Agriculture, US Government requiring creation of an international database on agriculture with internationally consistent accounting method (compliant with the WORLD KLEMS project) for the estimation of total factor productivity
- *Problems of water and food insecurity in the Indian part of the Koshi river basin: A study on agriculture* (Nilabja Ghosh, Amarnath Tripathy) part of *Koshi basin Programme* taken up by ICIMOD, Kathmandu and funded by Australian Agency for International Development cooperator and participant in inception Workshop on *Water-Agriculture-Food Security nexus*.

## **Policy support and short studies: National and international**

1. Assisting the Government and active support to Ministry of Agriculture **in making advance estimates of agricultural production (select major crops)**.
2. Presented before Senior officers of ERS, US Department of Agriculture "Measuring capital Stocks in Indian Agriculture" using methodology (concave depreciation schedules) recommended by the OECD.
3. "Climate Change and Agricultural performances" presentation desired by the Ministry of Agriculture before Senior Officers at a meeting chaired by the Secretary A&C on 23<sup>rd</sup> February 2011. The study outlines a two way linkage between Indian agriculture and climate change based on available literature calling for mitigation and adaptation.
3. Regular consultation in Monthly Briefing under NCAER Project on "Outlook and Situation Analysis for Food Security" in Ministry of Agriculture Government of India, occasional presentations at national and international forums including FAO and other national governments.
4. 'Assessing the extent of Food processing in various sub-sectors in India' presentations and consultations made at the Ministry of Food Processing Industries (MOFPI) Chaired by the Secretary MOFPI to develop a systematic methodology for initiating measurement of the level of processing of agricultural products.
5. "Reforms in India's Agricultural Marketing and the Emerging new Channels" presentation desired by the Ministry of Agriculture before Senior Officers at a meeting chaired by the Secretary A&C on 18<sup>th</sup> December 2012. The study is based on all India survey results on impact of new channels on Indian agriculture.
4. A study on "Availability of Food Proteins, Energy and other nutrients" by creating a food balance sheet as desired from me by the Ministry of Agriculture, submitted (Jointly). The study attempts to estimate nutrient supply from Indian agriculture.
5. Contribution to **Synthesis paper 'Climate Change in Hindu Kush-Himalayas: the State of current Knowledge'** launched by the International Centre for Integrated Mountain Development (ICIMOD) **in COP 17 in Durban 2011** and slated for further discussion at UNFCCC deliberations in Rio+20 (on food security and demographic transition) advocating focus on the problems of mountain regions.

6. Contributed a section on *climate change* for to the status report on **Indian Agriculture 2011-12** published by Ministry of Agriculture (planned to be an annual publication henceforth), Government of India.
7. Contributed to developing methodology for forecasting manpower requirement in agricultural sciences by Institute of Applied Manpower research, acknowledged in Annexure 3.4 page 234  
<http://www.iamrindia.gov.in/Downloads/IAMR%20reports/Annexures%20Nov18.pdf>
8. Participated as a member in Small Expert Group on SIGI India pilot 2013 held under the chairpersonship of Mrs. Shailaja Chandra (Ex-Chief Secretary, Delhi) for developing a methodology to study Social indicators of gender empowerment.
  7. Work on Food security cited in United Nations University Policy brief No.1 2008: <http://www.unu.edu/publications/briefs/policy-briefs/2008/pb01-08.pdf>
  8. Useful in State planning see [http://www.karunadu.gov.in/SPB/Reports/EleventhFiveYearPlan\(2007-2012\)Perspectives](http://www.karunadu.gov.in/SPB/Reports/EleventhFiveYearPlan(2007-2012)Perspectives), Madhya Pradesh Water Sector Restructuring Project page 44: <http://www.mp.gov.in/WRD/EAP/MPWSRP-PIP.pdf>
  9. Influence on UN for concern over Himalayan region  
[http://unfccc.saveoursky.org.tw/2011cop17/images/cadiis/docment\\_download%20/Climate\\_Change.pdf](http://unfccc.saveoursky.org.tw/2011cop17/images/cadiis/docment_download%20/Climate_Change.pdf)
  10. Quoted in preliminary worldwide reports on Uttarakhand natural disaster June 2013, contributing to national intent for stronger disaster management ([http://www.khaleejtimes.com/kt-article-display-1.asp?xfile=data/international/2013/June/international\\_June605.xml&section=international](http://www.khaleejtimes.com/kt-article-display-1.asp?xfile=data/international/2013/June/international_June605.xml&section=international), <http://www.hindustantimes.com/India-news/NorthIndiaRainFury2013/150-dead-in-Uttarakhand-flood-toll-may-rise/Article1-1079086.aspx>, [reliefweb.int/report/india/india-monsoon-floods-leave-120-dead](http://reliefweb.int/report/india/india-monsoon-floods-leave-120-dead), [www.afp.com/de/news/topstories/979858/](http://www.afp.com/de/news/topstories/979858/), , [www.welt.de/.../Mehr-als-160-Tote-durch-Unwetter-in](http://www.welt.de/.../Mehr-als-160-Tote-durch-Unwetter-in).
  11. Quoted in several regional newspapers in Uttar Pradesh on implications of modern corporate marketing for small farms \*\*\*\*

## Completed Projects/Studies

- 'Production, Market structure and the role of government policy: Food grains in the new Economy' Sponsored by Ministry of Agriculture, Government of India (completed)
- 'Problems and Prospects of Crop Insurance in India' Sponsored by Ministry of Agriculture, Government of India (completed)
- 'Economic Empowerment of Farm Women through Viable Entrepreneurial Trades' Coordinated project using **primary data collected by 11 AER centres** under the Ministry of Agriculture, Sponsored by Ministry of Agriculture, Government of India (completed)
- 'Globalising Indian Agriculture: A cross-sectional view of Crop choices and Input use' Sponsored by Ministry of Agriculture, Government of India (completed)
- 'Growing Rural-Urban disparity: Case Study of the Himalayan State of Uttaranchal' a Secondary and Primary survey based study sponsored by NIRD, Ministry of Rural Development, Government of India (completed)
- 'Financial Implications of Use of Chemical Fertilizers along with Organic and Bio Fertilizers' Sponsored by Ministry of Agriculture, Government of India (completed).
- 'A Policy Model for Open Market Operations of Wheat' (Anil Sharma, Nilabja Ghosh, Parmod Kumar), involving simultaneous equations econometric model Sponsored by Ministry of Food, Government of India (completed).
- 'Regional Analysis of Agriculture: A Case study of Andhra Pradesh, Karnataka and Haryana', from Indian Statistical Institute (K.C. Majumdar, N.S.S. Narayana, Nilabja Ghosh et.al.)- sponsored by Planning Commission, Government of India (1988).
- A Quick study about the 'Likely impact of the drought (deficient rainfall during first two months of the monsoon 2012) on agricultural production' desired by the Secretary A&C in July,



submitted and presented before Senior Administrative officers including Secretary A&C.

- A Quick study o[n “Drought implication for Food prices in 12012”desired by the Secretary A&C, submitted in August 2012 and presented before Senior Administrative officers including Secretary A&C.

### Select citations, awards, acknowledgements

Publications cited by many renowned scholars:

**Norman Uphoff**, Cornell University 2006 (famed for SRI rice cultivation method) in *Biological Approaches to Sustainable Soil system*, **M.S. Swaminathan Research Foundation** in *Report on the State of Food Insecurity in rural India*, , fbae.org, **Raja Chelliah et al** in *Ecotaxes on Polluting inputs and outputs* based on a project commissioned by the Government of India for proposals on levying eco-taxes. 2007, (Book), **S.L. Bapna** in “Comparative Advantage of Indian Agriculture: Agenda for knowledge Base” in a book *Changing Contours of Asian Agriculture: Policies, Performance and Challenge* edited by Surjit Singh and Ratna Reddy, Also cited in *Journals- Ecological Economics, Elsevier 2007, Land use policy Elsevier 2009, Soil ResearchCSIRO, 2001, Renewable and sustainable Energy reviews Elsevier, Vol.12(5) 2007, American Journal of Applied Sciences 2008, Development Policy ..., 2008 - Wiley Online Library, Renewable and Sustainable Energy Reviews, 2008 – Elsevier, Asia-Pacific Journal of ..., 2012, <http://agris.fao.org/agris-search/s>*

**Rashtriya Gaurav** awarded by the India International Friendship Society 2013 and a Certificate of ‘Excellence for Meritorious Services, Outstanding Performance and Remarkable Role’ via the.

Paper short-listed for **Medal finalist competition** at the Fifth Annual Global Development Conference, January 28-30, 2004 in New Delhi, India in the theme "Pro-market Reform and the Poor".

Awarded **D.K. Desai prize** by Indian Society of Agricultural Economics 1995 for best article of the year published.

Served as **Visiting Fellow under UGC programme** at Calcutta University 2011.

- Qualified **NET-UGC 1994** qualified for Lectureship at University level.
- Junior Research Fellowship awarded by **Indian Statistical Institute** 1984 on the basis of national level merit test
- National Scholarships from **University Grants Commission** 1981 for B.Sc. (Hons.) result
- National Scholarship from **Union Education Ministry** 1978 for high rank in School leaving examination.

Directory inclusion in **Marquiss 's Who's Who**

Inclusions in bibliographies: Scientific Commons, British Library for Developing Studies (<http://blids.ids.ac.uk/cf>), Digital Library of the Commons (Indiana University Digital Library programme)., Bibliography in e-article Bio-technology in conservation of Agricultural Environment (<http://www.amazines.com/research/article-detail.efm/674359>).  
ScienceDirect (<http://www.sciencedirect.com>) e-discussion summary: Food security of Vulnerable groups through Panchayats (cr-se-decn-10100701-public(1)) Repec.

Cited as **Distinguished Visitor at IASRI** for lecture

[http://www.iasri.res.in/annualreports/ar2012-13/Distinguished\\_Visitors13.pdf](http://www.iasri.res.in/annualreports/ar2012-13/Distinguished_Visitors13.pdf)

Cited in Annual report of the Economic Society of St. Stephen's College,

Delhi.<https://sites.google.com/site/ecosocssc/home/annual-report-2010-11>,

<http://www.du.ac.in/fileadmin/DU/DUCorner/achievementsoftheyear07.pdf>

Mentioned in Placement Brochure of Delhi School of Economics 2011-12

<http://www.docstoc.com/docs/152380974/Placement-Brochure---DSE-Bottomline>