

RUPAK GOSWAMI, PhD

Assistant Professor at the Faculty Centre for Integrated Rural Development and Management, Ramakrishna Mission Vivekananda University, Kolkata, INDIA (since May, 2007) and

Visiting Faculty, University of California, Davis, CA, USA (since September 2018)

Birth:

December 18, 1978, Kolkata, INDIA

Education:

PhD in Agricultural Extension (April 2007), Bidhan Chandra Krishi Viswavidyalaya (State Agricultural University, West Bengal)

MSc (Ag) in Agricultural Extension (September 2002), Bidhan Chandra Krishi Viswavidyalaya (State Agricultural University, West Bengal)

BSc (Ag) (September 2000) Bidhan Chandra Krishi Viswavidyalaya (State Agricultural University, West Bengal)

Recognition

Fulbright-Nehru Academic & Professional Excellence Award (2018-19)

Young Scientist Award-2017 from Society of Extension Education (2017)

National Eligibility Test (2004) conducted by Agricultural Scientists Recruitment Board

Senior Research Fellow (SRF), Indian Council of Agricultural Research (2004-2006) scheme

University Merit Scholarship, State Agricultural University-West Bengal (2000-2002)

In-Service Recognition

Head, Department of Agriculture and Rural Development (2015-2017), IRDM Faculty Centre (IRDM F/C), Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI)

Member, Academic Council and Board of Studies, IRDM F/C, RKMVERI

Member, Society of Extension Education, India (Associate Editor of Society's journal - Indian Research Journal of Extension Education)

External Expert for State Agricultural Management and Extension Training Institute (SAMETI), West Bengal State, India

Resource Person for Post-Graduate Diploma in Agricultural Extension Management course (for West Bengal state) of National Institute of Agricultural Extension (MANAGE), Hyderabad

Research Interests:

Sustainable Rural Livelihoods; Sustainability of Agricultural Systems; Social Network Analysis; Participatory Enquiry; Rural Migration-Agriculture-Women Empowerment Nexus; Typology Study of Farming Systems, Mixed method applications

Courses taught:

Extension Education-I & II [ARD-103 & ARD-355], Research Methodology-I & II [ARD-105 & ARD-205], Rural Development Management [ARD-301], Extension Programmes & Organisations [ARD-302], Agricultural Extension [ARD-205], Review of Literature [ARD-501], Advance Research Methodology [ARD-502], Computer Application in Research [ARD-503], Emerging Thoughts and Techniques in Extension [ARD-551], Sustainable Rural Livelihoods [ARD-553]

Reviewed for:

International Journal of Disaster Risk Reduction (Elsevier), Journal of Agricultural Science and Technology-Iran, Annals of Agricultural Science (Elsevier), The Social Science Journal (Elsevier), Cogent Social Sciences (Taylor & Francis), Journal of Agricultural Science-Canada, Journal of Agricultural Extension and Rural Development etc.

Software:

SPSS for Windows, SPSS Modeler, SPSS AMOS, UCINET & NetDraw, Several data visualization software

Grantsmanship:

Goswami, R. (2019). (PI) Farmer's Perception of Sustainability and its Relationship with Farm Resource Utilization. Self-initiated Project at University of California, Davis.

Goswami, R. (2018). (PI) Identifying the Efficient Resource Integration Strategies in Small Farms of India and USA and Assessment of Their

- Sustainability. United States India Educational Foundation (USIEF) at University of California, Davis. [Period: 2018-2019; Share: ~USD 29000]
- Goswami, R. (2018). (PI). Impact Assessment of Agricultural Research and Extension Organization: The Case of International Plant Nutrition Institute (IPNI) in India. International Plant Nutrition Institute, South Asia Programme. [Period: 2018-2019; Share: INR 1,10,000]
- Goswami, R. (Collaborating Centre PI) (2018). Establishment of a biotech-KISAN Hub in Sunderban area of South 24 Parganas District of West Bengal. Department of Biotechnology, Govt. of India. [Period: 2018-2020 (initially); Share: INR 10,00,000 (initial)]
- Goswami, R. (Co-PI). (2018). Human surface thermographic profiling as indicator of climate susceptibility and impact mitigation using social networking. Department of Science and Technology, Ministry of Science and Technology, Government of India. [Period: 2018-2021; Share: INR 69,42,000]
- Goswami, R. (2013). (Co-PI). Agronomic, economic, social and environmental benefits of improved nutrient management practices in maize production systems under variable farm size, climate, soil fertility conditions and farmer resource endowment in India. International Plant Nutrition Institute (IPNI) & Centro Internacional de Mejoramiento de Maíz y Trigo (CIMMYT), Mexico. [Period: 2013-2015; Share: INR 4,00,000]
- Goswami, R. (2012). (PI). Improved Quality of Rural Life through Scientific Management of Natural Resources. Department of Science and Technology, Ministry of Science and Technology, Government of India [Period: 2013-2015; Share: INR 22,04,000]

Academic Visits Abroad

Global Healthshare, University of California, Davis [2013 & 2018-19]
Department of Biology, Centre for Sustainability, Georgia Southern University, GA, USA [2013]

Collaborations (Past and Present)

Global Healthshare, University of California, Davis, CA, USA
Agricultural Sustainability Institute, University of California, Davis, CA, USA
Department of Biology, Georgia Southern University, GA, USA (2013-2017)
Sociological Research Unit, Indian Statistical Institute, Calcutta, INDIA
International Plant Nutrition Institute, South Asia Programme
Department of Agricultural Extension, Bidhan Chandra Krishi
Viswavidyalaya, INDIA

Department of Agricultural Economics, Bidhan Chandra Krishi
Viswavidyalaya, INDIA
Department of Agronomy, Bidhan Chandra Krishi Viswavidyalaya, INDIA
Rural Extension Centre, Visva-Bharati University, INDIA

Research supervision:

Doctoral Students: Three (awarded), Two (continuing)
Masters Students: Twenty-Six

Selected Publications:

- Ray, K., Hasan, S. S., **Goswami, R.** (2018). Techno-economic and environmental assessment of different rice-based cropping systems in an inceptisol of West Bengal, India. *Journal of Cleaner Production* (Elsevier), 205, 350-363. DOI: 10.1016/j.jclepro.2018.09.037
- Goswami, R.***, Misra, S., Mondal, T., & Jana, R. (2018). Social network analysis in the context of community response to disaster. *SAGE Research Methods Cases*, Part 2, DOI:10.4135/9781526444622
- Saha, S., **Goswami, R.***, & Paul, S. K. (2018). Recursive male out-migration and the consequences at source: A systematic review with special reference to the left-behind women. *Space and Culture, India*, 5(3), 30-53. DOI:10.20896/saci.v5i3.289
- Goswami, R.**, Saha, S., Dasgupta, P. (2017). Sustainability assessment of smallholder farms in developing countries. *Agroecology and Sustainable Food Systems* (Taylor & Francis), 41(5): 446-469. DOI: 10.1080/21683565.2017.1290730
- Misra, S., **Goswami, R.***, Mondal, T., & Jana, R. (2017). Social networks in the context of community response to disaster: Study of a cyclone-affected community in coastal West Bengal. *International Journal of Disaster Risk Reduction* (Elsevier), 22, 281-296. DOI: 10.1016/j.ijdr.2017.02.017
- Goswami, R.***, & Majumder, S. (2017). Construction of gender sensitive poverty line based on local perception: Evidence from Habra-II Block of West Bengal state in India. *The Social Science Journal* (Elsevier), 54(1), 76-92. DOI: 10.1016/j.sosci.2016.11.004
- Ghosh, S., Manna, S., Dutta, A., & **Goswami, R.** (2017). Social, Economic, and Production Characteristics of Freshwater Prawn, *Macrobrachium rosenbergii* (De Man, 1879) Culture in West Bengal, India. *Aquaculture International* (Springer), 25(5), 1935-1957. DOI: 10.1007/s10499-017-0165-7.

- Goswami, R.**, Dasgupta, P., Saha, S., Venkatapuram, P., & Nandi, S. (2016). Resource integration in smallholder farms for sustainable livelihoods in developing countries. *Cogent Food & Agriculture* (Taylor & Francis), 2:1 (1272151). DOI: 10.1080/23311932.2016.1272151
- Chatterjee, S., **Goswami, R.***, & Bandyopadhyay, P. (2015). Methodology of identification and characterization of farming systems in irrigated agriculture: Study in West Bengal state of India. *Journal of Agricultural Science and Technology*, 17(5), 1127-1140.
- Goswami, R.***, Chatterjee, S., & Prasad, B. (2014). Farm types and their economic characterization in complex agro-ecosystems for informed extension intervention: study from coastal West Bengal. *Agricultural and Food Economics* (Springer), 2(1). DOI: 10.1186/s40100-014-0005-2
- Banerjee, H., **Goswami, R.**, Chakraborty, S., Dutta, S., Majumdar, K., Satyanarayana, T., Jat, M. L., & Zingore, S. (2014). Understanding biophysical and socio-economic determinants of maize (*Zea mays* L.) yield variability in eastern India. *NJAS: Wageningen Journal of Life Sciences (Elsevier)*, 70-71:79-93. DOI:10.1016/j.njas.2014.08.001
- Ali, N., Yeasmin, L., Gantait, S., **Goswami, R.**, & Chakraborty, S. (2014). Screening of rice landraces for salinity tolerance at seedling stage through morphological and molecular markers. *Physiology and Molecular Biology of Plants* (Springer), 20(4): 411-423. DOI: 10.1007/s12298-014-0250-6
- Biswas, S., Ali, N., **Goswami, R.***, & Chakraborty, S. (2014). Soil health sustainability and organic farming: A review. *Journal of Food, Agriculture & Environment*, 12(3&4):132-138.
- Misra, S., **Goswami, R.***, Basu, D., & Jana, R. (2014). Application of social network analysis in livelihoods system study. *Space and Culture, India*. 2(3), 24-46. DOI: 10.20896/saci.v2i3.36
- Goswami, R.***, Biswas, M.S., & Basu, D. (2012). Validation of participatory farming situation identification: A case of rainfed rice cultivation in selected area of West Bengal, India. *Indian Journal of Traditional Knowledge*, 11(3), 471-479.
- Goswami, R.***, & Ali, N. (2011). Use of participatory exercise for modelling the adoption of organic agriculture. *The Journal of Extension*, 49(3). <http://www.joe.org/joe/2011june/iw4.php>
- Basu, D., Basu, G., Biswas, S., & **Goswami, R.** (2011). Stakeholders' perceived attributes of fresh vegetables: an important input in breeding program. *Acta Horticulturae* (ISHS), 895:51-57.
- Goswami, R.***, Ghosh Ray, J., & Ghose, J. (2010). Telesupport Experiment for Agricultural Information Management in West Bengal, India. *The Journal of Community Informatics*, 6(2). <http://www.ci-journal.net/index.php/ciej/article/view/518/588>

Basu, D., Banerjee, S., & **Goswami, R.** (2009). Vegetable cultivation on ail (bund): a successful farmer-led technology transfer. *Acta Horticulturae* (ISHS), 809:155-160.

Basu, D., Banerjee, S., & **Goswami, R.** (2009). Farmers' knowledge management in banana cultivation in a village of West Bengal, India: a reflection of farmer managed technology adaptation and transfer in horticulture. *Acta Horticulturae* (ISHS), 832:49-56.

[* Corresponding author]

Selected Invited Talks

“Farm typology-based fertilizer recommendations through Nutrient Expert: What are the big gains?” at the Special Concurrent Session on “Out-scaling Site-specific nutrient management using Nutrient Expert Fertilizer Decision Support Tool” at the 82nd Annual Convention of ISSS at the Amity University, Kolkata, West Bengal on December 12, 2017.

“Application of Social Network Analysis in Agricultural Research and Extension: Some Empirical Evidences” at the Sociological Research Unit, Indian Statistical Institute, Kolkata on 5 February 2016.

“*Farmer Typology: Do We Need a Paradigm Shift in Our Fertilizer Recommendation Strategy to Ensure Better Adoption*” at Research Cooperators’ Meet of International Plant Nutrition Institute (IPNI) – South Asia program organized by University of Agricultural Sciences, Dharwad, Karnataka during September 16-17, 2014.

“*Integrated Farming and Sustainability in Agriculture: An Archetype from Tropical India*” at Department of Biology, Centre for Sustainability, Georgia Southern University, GA, USA on 24 October 2013.

Selected Seminars/Conferences

World Congress on ‘Conservation Agriculture’ during 04-07 February, **2009** organized by **Ministry of Agriculture, Govt. of India, New Delhi.**

National Congress on Extension Education **2011** organised by **Society of Extension Education, Agra and ICAR Research Complex, Goa at Goa, India** during 17-19 December, 2011.

National Conference on Reprographic Rights and Copyright Act: Challenges and Management (NCRRCA-2013) organised by Library, Documentation and Information Science Division, **Indian Statistical Institute, Kolkata** during 7-8 March **2013.**

Research Cooperators' Meet of International Plant Nutrition Institute (IPNI) – South Asia program organized by **University of Agricultural Sciences, Dharwad, Karnataka** during September 16-17, **2014**.

12th Asian Conference and Expert Consultation on Maize for Food, Feed, Nutrition and Environment Security, organized by APAARI, CIMMYT, FAO of the United Nations and the Thai Department of Agriculture, during 30 October - 1 November, **2014** at **Bangkok, Thailand**.

8th National Extension Education Congress organized by Indian **Society of Extension Education, Agra** and **National Academy of Agricultural Research Management** during 28-31 January **2017** at Hyderabad, India.

Symposium: Managing Lands in a Changing Climate (Global Climate Action Summit Affiliate Event), organized by University of California, Davis and California Department of Conservation on 10 September **2018** at the **University of California, Davis, USA**.