

SHWETA GUPTA

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ABOUT

I am a doctoral student and a development sector professional with a research focus on understanding the status of agroecology and farmers' aspirations in India. I have eight years of research experience on food policies and agriculture in developing economies. I work extensively on both primary and secondary data research employing both quantitative and qualitative methods such as structured surveys and key informant interviews, focus group discussions, RCTS, choice experiments, propensity score matching, etc. I excel in survey-management (both in-person and virtually through telephonic interviews) and survey tool development. I am proficient in using statistical software for econometric data analysis and data management.

WORK EXPERIENCE

• Senior Research Analyst-I, International Food Policy Research Institute (2017-present)

- ***Multifunctional Landscapes Program (formerly, CGIAR's Agroecology Initiative (2022-present)***
 - Objective: To study and strengthen the status of agroecology in Madhya Pradesh & Andhra Pradesh, India
 - Randomized control trial experiment to evaluate the impact of cocreation vs standard public extension on adoption of agroecological practices in Narayanganj (ongoing)
 - Understanding association between farmers aspirations and adoption of agroecology
 - Understanding perspectives of youth towards agroecology using photovoice methodology
 - Impact evaluation of land rehabilitation and soil conservation interventions by Foundation of Ecological Systems (FES) in Mandla
 - Holistic Localized Performance Assessment Survey of 300 farmers across 3 blocks to understand the status of agroecology in Madhya Pradesh
 - Visioning exercise with farmers to understand their future goals and potential of agroecology in meeting these goals
 - Agroecological assessment of groundnut value chain in Andhra Pradesh
 - Key task: Responsible for all key tasks- scoping and conceptualization of activities, developing tools, enumerator training, field activity monitoring and management, data cleaning-analysis-management, publications, presentations, outreach, budget handling
- ***Soil Intelligence System (SIS) Project- Micronutrient subsidy scheme in Andhra Pradesh (2019-20)***
 - Diagnostic surveys on micronutrient subsidy & split plot demonstrations on zinc fertilizer
 - Key tasks: FGDs, questionnaire development and experiment design/coding, field training/ management/ monitoring, data cleaning/analysis, publications, presentations
- ***BMZ Project (2020-21)***
 - Multi-round phone surveys of self-employed women in Gujarat, India to assess the impact of COVID-19 pandemic on their livelihoods.
 - Key tasks: questionnaire development/coding, remote data collection and survey team management through CATI, data analysis, publications, presentations
- ***Gender, Climate Change and Nutrition Integration Initiative (GCAN) Project (2021)***
 - Multi-round phone surveys of 7 countries (Asia and Africa) to understand the impact of COVID-19 on their livelihoods.
 - Countries covered- Nepal, Kenya, Ghana, Senegal, Uganda, Niger, and Nigeria.
 - Key tasks: Worked on large panel datasets, data analysis, publications, presentations
- ***Cereal System Initiative for South Asia (CSISA) project (2017-2024)***
 - Factors affecting farmer's decisions for delayed planting of rice and wheat in Bihar, India (2022):
 - a primary survey of 2000 farmers, best-worst scaling experiment with farmers and agriculture experts ranking strategies for timely wheat sowing,

- Key tasks: conducted FGDs, questionnaire development, and experiment design/coding, field training/management/monitoring, data cleaning/analysis, publications, presentations
- The status of women's empowerment in Bihar and its impact on individual and household outcomes (2022):
 - a primary survey of 1500 male and female farmers, construction of Women's Empowerment in Agriculture Index (WEAI)
- Becker-DeGroot-Marschak auctions on fertilizers in Nepal (2018):
 - an experiment to elicit WTP for fertilizers by farmers in Nepal
 - Key tasks: questionnaire development and experiment design/coding, field training/ management/ monitoring, data cleaning/analysis, publications, presentations
- Discrete choice experiments for PMFBY crop insurance scheme in 4 states in India (2018):
 - an experiment to elicit farmers' valuations for attributes of crop insurance,
 - Key tasks: questionnaire development, and experiment design/coding, field training/ management/ monitoring, data cleaning/analysis, publications, presentations
- Agriculture mechanization through custom hiring centers and entrepreneurship in Odisha (2017): questionnaire development/coding, field training/management/monitoring, data cleaning/analysis, publications, presentations

• **Researcher, Ministry of Consumer Affairs, Food & Policy Distribution, GOI (2017)**

- Panel data analysis of wholesale and retail prices of major pulses in India over the years 2013-14 to 2016-17
- Key tasks: Secondary data research, engagement with multiple agriculture departments (AGMARKNET, PMC, NIC), data analysis, presentations

• **Research Assistant, Delhi School of Economics (2016-17)**

- Assisted in monetary and time-series data analysis on Indian economy under the supervision of Dr. Pami Dua, Director, Delhi School of Economics
- Key tasks: collecting and managing data from multiple govt websites, literature reviews, editing books and papers, data visualization and analysis

PROFESSIONAL CAPACITY BUILDING

❖ In-person training:

- New Delhi 2023: Conducted a 2-day training “Working With Tools For Survey Design, Data Collection, & Data Analysis” with researchers at ICAR NIAP, New Delhi
- Varanasi 2022: Conducted and lead training workshop on introduction to ODK, Survey CTO, Kobo Toolbox, and STATA software with ICAR staff, faculty members of Banaras Hindu University (BHU), PhD scholars, and researchers from government ministries/departments/ financial institutions, and civil societies.
- New Delhi 2022: Certificate Program in Applied Data Analytics: Conducted 3-day STATA workshop for undergraduate economics students and staff of Shaheed Bhagat Singh College, University of Delhi
- New Delhi 2019: Conducted and led training on “Use of digital data collection in SurveyCTO/ ODK” for ICAR-IARI staff.
- New Delhi 2019: Conducted and lead an in-house training on SurveyCTO software at IFPRI.

❖ Virtual training and sessions:

- Presented “Advances in tools for data collection: CAPI and telephone surveys” at the ‘Analytical Techniques for Impact Assessment of Agricultural Technologies & Policies’ online training programme, ICAR-IARI, March 2021.
- Presented “Best Practices in Telephonic Field Survey” at Workshop on Advances in tools and techniques for policy Research, AERA-IFPRI (with Muzna Alvi and Smriti Saini), December 2020
- Presented “Data Analysis and Representation Practicum Session-Tips for effective data analysis” (with Vartika Singh), ICP in Strategic Corporate Social Responsibility Course, IICA, October 2020

PUBLICATIONS

❖ Journals:

- Alvi, Muzna F.; Barooah Prapti; Gupta, Shweta and Saini, Smriti. **2021**. “Women's access to agriculture extension amidst COVID-19: Insights from Gujarat, India and Dang, Nepal”. *Agricultural Systems*, 188: 103035. <https://doi.org/10.1016/j.agsy.2020.103035>

- Gupta, Shweta; Kishore, Avinash; Alvi, Muzna F. and Singh, Vartika. **2020**. “Designing better input support programs: Lessons from zinc subsidies in Andhra Pradesh, India”. *PlosONE*, 15(12): e0242161. <https://doi.org/10.1371/journal.pone.0242161>
- Ghosh, Ranjan Kumar; Gupta, Shweta; Singh, Vartika and Ward, Patrick S. **2020**. “Demand for Crop Insurance in Developing Countries: New Evidence from India”. *Journal of Agricultural Economics*, 72(1): 293-320. <https://doi.org/10.1111/1477-9552.12403>
- Ward, Patrick S.; Gupta, Shweta; Singh, Vartika; Ortega, David L. and Gautam, Srinivas. **2020**. “What is the Intrinsic Value of Fertilizer? Experimental Value Elicitation and Decomposition in the Hill and Terai Regions of Nepal”. *Food Policy*, 90: 101809. <https://doi.org/10.1016/j.foodpol.2019.101809>

❖ Reports:

- Krishnan, S.; Gupta, S.; Adusumili, R.; Barooah, P.; Maliappan, S.; Singh, S.; Patil, P.; Renduchintala, S.; Alvi, M.; Sikka, A. **2023**. Context Document [India]. ALLs – Anantapur District. 102 p. <https://hdl.handle.net/10568/137970>
- Gupta, Shweta; Alvi, Muzna; and Tomar, Nitish. **2023**. Value chain mapping and analysis of groundnut in Andhra Pradesh, India. CGIAR System Organization. <https://hdl.handle.net/10568/137493>
- Gupta, S.; Maliappan, Sudharsan; Krishnan, S.; Sikka, Alok. **2023**. The natural farming model of Andhra Pradesh: a solution for sustainable agriculture in India. Colombo, Sri Lanka: International Water Management Institute (IWMI). <https://hdl.handle.net/10568/136893>
- Alvi, Muzna Fatima; Gupta, Shweta; Barooah, Prapti; Ringler, Claudia; Bryan, Elizabeth & Meinzen-Dick, Ruth Suseela. **2022**. Gendered impacts of COVID-19: Insights from 7 countries in Sub-Saharan Africa and South Asia. Research reports 135042, International Food Policy Research Institute (IFPRI).

WORK IN PROGRESS

❖ Journals:

- Gupta, Shweta; Faye, Amy; Qaim, Martin. “Farmers aspirations and adoption of agroecology: Evidence from India.”
- Gupta, Disha; Singh, Sonali; Gupta, Shweta; Alvi, Muzna. “Do Land Conservation Practices Improve Rural Livelihoods? Causal Evidence from India”
- Gupta, Shweta; Singh, Sonali; Sharma, Meghajit. “Understanding perspectives of youth in Madhya Pradesh and pathways for agroecology: A photo voice approach.”
- Gupta, Shweta; Kishore, Avinash, & Burton, Michael. “Differences in farmer and scientist beliefs about delayed wheat sowing in Bihar: A best-worst scaling approach”
- Kishore, Avinash; Gupta, Shweta. “Factors affecting farmer’s decisions for delayed planting of rice and wheat in Bihar, India”
- Alvi, Muzna F.; Barooah, Prapti & Gupta, Shweta. “Emotional well-being during COVID-19: Insights from India and Nepal”
- Alvi, Muzna F.; Barooah, Prapti; Gupta, Shweta; Meinzen-Dick, Ruth & Ringler, Claudia. “Hello, can you hear me? Impact of speakerphones on phone survey responses”
- Alvi, Muzna F.; Gupta, Shweta; Chellattan Veetil, Prakashan; Patil, Vikram, & Munshi, Sugandha. “Women’s empowerment in Bihar and its impact on individual and household outcomes”

POLICY OUTPUT

❖ Factsheets:

- Alvi, Muzna Fatima; Gupta, Shweta; and Barooah, Prapti. **2021**. “Assessing the impact of COVID-19 on rural women and men in Kenya”. GCAN COVID-19 Impact Fact Sheet 3. Washington, DC: IFPRI. DOI: <https://doi.org/10.2499/p15738coll2.134466>
- Alvi, Muzna Fatima; Gupta, Shweta; and Barooah, Prapti. **2021**. “Assessing the impact of COVID-19 on rural women and men in northern Ghana”. GCAN COVID-19 Impact Fact Sheet 1. Washington, DC: IFPRI. DOI: <https://doi.org/10.2499/p15738coll2.134446>

❖ Blogs:

- Saini, Smriti and Gupta, Shweta. **2020**. “Just a call away? Learnings from phone surveys in India and Nepal”. Safe People +Data Case Studies, Survey CTO. <https://www.surveyceto.com/case-studies/ifpri-covid19-phone-surveys/>.
- Alvi, Muzna Fatima; Gupta, Shweta; Dick, Ruth M. and Ringler, Claudia). **2020**. “Phone surveys to understand gendered impacts of COVID-19: A cautionary note. EnGendering Data Blog Series. Washington DC: IFPRI. <https://pim.cgiar.org/2020/07/14/phone-surveys-to-understand-gendered-impacts-of-covid-19-a-cautionary-note/>

❖ Research notes:

- Kishore, Avinash; Singh, Vartika and Gupta, Shweta. **2020**. “Sticky Seeds: Why Old Seeds Continue to Dominate the Rice-Wheat Agriculture in Eastern India”. CSISA Research Note 17. <https://csisa.org/wp-content/uploads/sites/2/2020/05/CSISA-Policy-and-Research-Note-17.pdf>
- Singh, Vartika; Ward, Patrick S. and Gupta, Shweta. **2018** “Who are the entrepreneurs? A case for accelerated service economy for agricultural machinery in Odisha”. CSISA Research Note 10. https://csisa.org/wp-content/uploads/sites/2/2018/03/Odisha-mechanization-Research-Note_FINAL1.pdf

OUTREACH

❖ Podcast:

- **IFPRI Research Talks Podcast Series: Episode 12-** The Challenges of Phone Surveys with Women in India during COVID, December **2020**. <https://www.ifpri.org/podcast/research-talks>

❖ Interview:

- Featured in an interview at ‘**Inside Track with IFPRI Season 2: Episode 1**’ to share the experience of working as a research analyst, in December **2021**. <https://www.ifpri.org/event/inside-track-ifpri-0>

KEY PRESENTATIONS

- ❖ **CGIAR Gender Conference 2023:** Presented “Women’s Empowerment, Agriculture Productivity and Household Resilience”
- ❖ **Tropentag 2022:** Presented “Factors affecting farmers’ decisions for delayed planting of rice and wheat in Bihar, India.”
- ❖ **ICAE 2021:** Presented “Hello, Can You Hear Me? Impact of Speaker Phones on Responses in Phone Surveys during COVID-19”
- ❖ **AAEA and WAEA Joint Annual Meeting 2021:** Poster presentation of “Hello, Can You Hear Me? Impact of Speaker Phones on Responses in Phone Surveys during COVID-19”
- ❖ **IAFFE 2021:** Presented “Hello, Can You Hear Me? Impact of Speaker Phones on Responses in Phone Surveys during COVID-19”
- ❖ **Virginia Tech 2021 Women and Gender in Development Virtual Conference:** Presented “Not just a call away. Reaching women through phone surveys in India and Nepal” (with Smriti Saini)
- ❖ **ANH 2020:** Presented “Designing better input support programs: Lessons from micronutrient subsidies in Andhra Pradesh, India”
- ❖ **IBS 2018 Hyderabad International Conference for Applied Econometrics:** Presented “Who are the entrepreneurs? A case for accelerated service economy for agricultural machinery in Odisha”

ACADEMIC QUALIFICATIONS

COURSE NAME	COLLEGE/UNIVERSITY	YEAR OF PASSING	MARKS
PhD. Agriculture Economics	Centre for Development Studies (ZEF), University of Bonn	2024-present	
M.A. Economics	Delhi School of Economics, University of Delhi	2014-2016	65.6%
B. A. (Hons.) Economics	Kamala Nehru College, University of Delhi	2011-2014	81.88%
Class 12th	Central Board of Secondary Education	2010-2011	95%

PROFESSIONAL SKILLS

- Data analysis & research: Stata (proficient), R (intermediate), MS- Excel (proficient), OD software (proficient), GPower (intermediate), iThenticate (intermediate)

- Survey management: SurveyCTO (proficient), Open Data Kit (proficient), Kobo Toolbox (proficient), Google forms (proficient)
- Document management: Latex (intermediate), Zotero (proficient), MS- Word (proficient), MS-PowerPoint (proficient)
- Languages: English (proficient), Hindi (native)

CERTIFICATIONS

- Completed CITI Program Course: Social & Behavioral Research - Basic/Refresher (Expiry: March 2027)
- Certificate Course in “Understanding environmental laws for better environmental management” by Industrial Pollution Team, Centre for Science and Environment, 2021
- Certificate course in “Advanced and Specialized Statistics with Stata” by LinkedIn Learning, 2021
- Certificate course in “An introduction to climate change: Science, politics and impacts” by Centre for Science and Environment, 2023
- Certificate course in “Demystifying environment data for communication and impact” by Centre for Science and Environment, 2023

AWARDS & ACHIEVEMENTS

- Capacity Strengthening Activity of the Month, IFPRI- Certificate Program in Applied Data Analytics: A STATA workshop at University of Delhi, 2022
- College topper in BA. (hons) Economics, 2015.
- Awarded as ‘All Rounder’ in Class 12th for being school topper, and good performance in extracurriculars.

EXTRA CURRICULAR

- Volunteered as school- teacher at NGO **Prayaas**, under TEACH Project, Rotaract Club, DSE, 2015
- Active member of Luminoso art society, Kamala Nehru College, 2012.

OTHER DETAILS

- Date of Birth: 25-4-1993
- Nationality: Indian
- Personal interests: Sketching, painting, and reading

REFERENCES

- Dr. Claudia Ringler, Unit Director, NRR, IFPRI
Email: c.ringler@cgiar.org
- Dr. Muzna Fatima Alvi, Research Fellow, IFPRI.
Email: m.alvi@cgiar.org
- Dr. Avinash Kishore, Research Fellow, IFPRI
Email: a.kishore@cgiar.org
- Vartika Singh, Senior Research Analyst, IFPRI
Email: Vartika.singh@cgiar.org
- Dr Pami Dua, Professor, Delhi School of Economics
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