

Curriculum Vitae

Falguni Guharay

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Citizenship: Indian, permanent resident in Nicaragua, work permit in Honduras

Education

- **1982–85:** Postdoctoral Research Associate, Department of Biophysics, State University of New York at Buffalo, USA
- **1979–82:** Ph.D., University of Nottingham, United Kingdom; Specialization in Zoology and Neurobiology
- **1975–77:** M.Sc., Indian Agricultural Research Institute, New Delhi, India; Major: Entomology; Minor: Statistics and Plant Pathology
- **1971–1975:** B.Sc. (Hons.) Ag. & A.H., College of Agriculture, G.B. Pant University of Agriculture & Technology; Major: Plant Protection

Skills

- **Agroecology:** Ecological management of agroforestry systems (coffee and cocoa) and agri-food systems (horticultural crops, musaceae, and food grains) with an emphasis on natural pest and disease control (CIAT, CATIE, SIMAS, UNA).
- **Climate Actions:** Promotion of climate-resilient cocoa, coffee, basic grains, vegetables, and small livestock management, with an emphasis on climate change and variability. Generation of personalized early warning messages based on crop risk assessments (CIAT, WCF, RIKOLTO, NRC).
- **Public Health:** Implementation of integrated vector management based on biological control agents for Malaria and Leptospirosis in Managua and Nicaragua (MLAL, MINSA).
- **Public Policy Analysis:** Impact of public policies and free trade agreements on the agency of smallholders and rural women; drafting of content for specific laws and technical standards related to coffee production, food security and sovereignty, and agroecological/organic production in Nicaragua (IIED, SIMAS, MAONIC, MIFIC, MAG).

- **Participatory Methods:** Joint planning and public monitoring with stakeholders, impact evaluation, farmer field schools, agroecological analysis, natural resource management, and environmental governance (CIAT, CATIE, SIMAS, AECID).
- **Research for Development:** National R&D platforms, territorial learning alliances, situational and territorial analysis, theory of change development, formulation, implementation, and monitoring of partner projects (CIAT, Bioversity, CATIE).
- **Communication for Development:** Effective learning campaigns in territories using study circles, radio, and video; mapping of local innovation actors and communication networks (CIAT, CATIE, UCA, SIMAS).
- **Linking Farmers to Markets:** Value chain analysis, linkage methodology, market analysis, and development for the participatory elaboration of inclusive business plans for local small enterprises (CIAT, CATIE, FAO, AECID).
- **Online Systems for Monitoring and Collective Learning:** Participatory design with users and developers; interface with programmers to develop web-based inputs and outputs using open-source licensed software (SIMAS, NORAD, CIAT, AECID, HIVOS, World Bank).
- **Languages:** Fluent in reading, writing, and speaking: English, Spanish, Bengali, Hindi.

Work History

- **2022–2025:** Livelihoods and Food Security Specialist, Norwegian Refugee Council, Northern Central America and Mexico
- **2021–2022:** Project and Services Advisor for the Mesoamerican Sustainable Agriculture Information Service (SIMAS)
- **2020–2021:** Data Management Specialist for creating an integrated data system for decision-making and reporting for a transnational company dedicated to asset management for the green economy and regenerative agriculture (12Tree, Panama)
- **2020–2020:** Consultant leading Cost-Benefit Analysis research on Cocoa Agroforestry systems (CRS, El Salvador); App development for decision-making enhancement in Cocoa Agroforestry systems (Rikolto, Central America); Technical and policy foundations for farm diversification with cocoa agroforestry in livestock farming (FUNIDES, Nicaragua).
- **2016–2020:** Latin America Program Manager, Climate-Smart Cocoa, World Cocoa Foundation (<https://www.worldcocoafoundation.org/>), working on increasing public and private sector investment in scaling Climate-Smart Cocoa in Central America and the Caribbean.

- **2013–2016:** Scientist, Research for Development with the International Center for Tropical Agriculture, CIAT (www.ciat.cgiar.org), working in the CGIAR Research Program on Integrated Systems for the Humid Tropics (www.humidtropics.cgiar.org) in Nicaragua, Haiti, and the Dominican Republic.
- **2008–2012:** Coordinator of SIMAS, a regional NGO specializing in knowledge management and communication for sustainable agriculture in Mesoamerica (www.simas.org.ni).
- **2005–2007:** Consultant on various tasks including strategic planning, impact evaluation, training, and curriculum development in the agricultural sector across Central and South America (INIBAP-CFC, CATIE, IDB, TROCAIRE, UCA, FAO, MARENA, UNDP, MFA Norway, World Bank, DANIDA, JICA).
- **2000–2004:** CATIE Regional Program Leader for the implementation of Integrated Pest Management and Agroforestry in Central America.
- **1991–2000:** Natural Scientist in CATIE’s regional program for the implementation of integrated pest management and agroforestry in Central America (CATIE, www.catie.ac.cr).
- **1986–1991:** Professor of Entomology, School of Plant Protection, National Agrarian University, Nicaragua (UNA, www.una.edu.ni).

Project Management Experience

- **2022–2025:** Implementation of livelihoods and food security strategies and programs targeted at families affected by displacement in Central America and Mexico (NRC).
- **2016–2020:** Design and implementation of the Climate-Smart Cocoa Program, increasing investment and commitment from private and public sector actors in scaling Climate-Smart Cocoa in the Dominican Republic, Honduras, El Salvador, and Nicaragua.
- **2013–2016:** Design and implementation of the CGIAR Research Program on Integrated Systems for the Humid Tropics (www.humidtropics.cgiar.org) in Nicaragua, Haiti, and the Dominican Republic.
- **2012–2013:** Program design and evaluations for the FADCANIC-ADDAC Agroforestry Innovation Program in the humid tropics of Nicaragua (funded by the Embassy of Norway).
- **2011–2012:** Program design and evaluations for IUCN regional environmental governance platform programs (funded by the Embassy of Norway).

- **2007–2008:** External review and formulation of Sustainable Agroforestry development initiatives based on participation and gender equity on the Atlantic Coast of Nicaragua (funded by NORAD, Norway).
- **2006–2007:** External review and formulation of a rural development project based on sustainable agriculture, gender, and environmental governance (funded by TROCAIRE).
- **2005–2006:** External review and formulation of a sustainable agriculture project implemented by organized rural women in northern Nicaragua, Foundation for Women and Community Economic Development (funded by FUMDEC-INTERMON).
- **2004–2005:** Design of the "Innovation for Sustainable Agriculture with Equity in Highland, Humid, and Dry Lands of Central America" program (Ministry of Foreign Affairs, Norway).
- **1991–2004:** Design and implementation of Phases I, II, and III of the Regional Integrated Pest Management and Agroforestry Program in Central America (CATIE, NORAD).

Financial Management Experience

- **2022–2025:** Implementation of livelihoods and food security strategies and programs for displacement-affected families in Central America and Mexico (US\$5,000,000; USAID BHA, NMFA, SIDA, NORAD).
- **2016–2017:** Scaling high-value climate-smart coffee agroforestry in northern Nicaragua to plant 1,000 ha of coffee agroforestry plots with a diversity of ecosystem products and services (US\$4,000,000; funded by IDB MIF and Aldea Global).
- **2014–2015:** Phases I & II of the mass media campaign project promoting community stewardship to prevent youth violence and drug abuse in the Caribbean Coast and Pacific region of Nicaragua (US\$2,500,000; funded by the US Embassy to FADCANIC).
- **2014–2016:** Research for development projects: Toolset development to improve decision-making, development of common codes and practices for multiple certifications, impact of public policies and programs on rural women's agency, and market access by remote communities (US\$220,000; funded by IITA to CIAT).
- **2009–2012:** Local innovation capacity building projects for sustainable and equitable development in dry and highland territories of Nicaragua (US\$2,000,000;

funded by ICCO, HIVOS, EED-PPM, CAFOD, TROCAIRE, APN, SWISSAID, INFOAGRAR, GREENGRANT to SIMAS).

- **2004–2005:** Strengthening local innovation capacity to address sustainable development challenges in drylands, highlands, and watersheds of Central America (US\$5,000,000; NORAD to CATIE).
- **1998–2004:** Phase III of the regional program for ecology- and participation-based IPM and agroforestry implementation in Nicaragua, Honduras, El Salvador, Guatemala, and Costa Rica (US\$10,000,000; NORAD to CATIE).
- **1995–1998:** Phase II of the national expansion program for ecology- and participation-based IPM and agroforestry in Nicaragua (US\$4,000,000; NORAD to CATIE).
- **1990–1995:** Phase I of the national program for technology and methodology development to scale ecology- and participation-based IPM and agroforestry in Nicaragua (US\$5,000,000; NORAD to CATIE).

Climate Action Experience

- **2022–2024:** Personalized early warning messages for smallholders based on risk assessments using climate, soil, and crop data to prevent climate variability impacts (Honduras, El Salvador, and Guatemala).
- **2020–2021:** Development of offline observation-analysis, collective learning, and decision-making apps to scale Climate-Smart Cocoa Agroforestry in Central America and the Caribbean (Rikolto, Solidaridad Network).
- **2020–2021:** Development of Climate-Smart Cocoa on cattle farms: legal framework analysis, policies, technology, and investment profile (FUNIDES, Nicaragua).
- **2020–2021:** Pilot analysis of climate-resilient cocoa agroforestry systems: Collective learning (Rikolto; Nicaragua, El Salvador, Guatemala, Honduras).
- **2019–2020:** Development of an online data and information system for collective learning and decision-making to scale Climate-Smart Cocoa in Central America and the Caribbean (WCF, Rikolto, CIAT).
- **2019–2020:** Investment opportunities for scaling Climate-Smart Cocoa in Central America and the Caribbean (World Cocoa Foundation).
- **2018–2019:** Climate exposure study for cocoa-producing territories in Central America and the Caribbean (WCF, Rikolto, CIAT).

- **2017–2019:** Sectoral strategy development to scale Climate-Smart Cocoa in Central America and the Caribbean (Dominican Republic, Honduras, El Salvador, Nicaragua; World Cocoa Foundation).
- **2017–2018:** Analysis and implementation reports for Climate-Smart Cocoa: Dominican Republic, Honduras, El Salvador, and Nicaragua (World Cocoa Foundation).
- **2016–2017:** Global analysis and implementation reports for Climate-Smart Cocoa (World Cocoa Foundation).
- **2016–2020:** Establishment and facilitation of Climate-Smart Cocoa working groups in Nicaragua, El Salvador, Honduras, and the Dominican Republic.

Professional Training Experience

- **2023:** Small business risk management for vulnerable populations in Central America (NRC, Central America and Mexico).
- **2019:** Climate-Smart Cocoa: Tools and investment opportunities to scale CSC (WCF, Latin America).
- **2018:** Climate-Smart Cocoa: Sector strategies and pilots (WCF, Latin America).
- **2017:** Climate-Smart Cocoa: Climate risk and training curriculum for territories (WCF, Latin America).
- **2016:** Climate-Smart Cocoa: Current status and sector readiness (WCF, Latin America).
- **2015:** Theory of Change for learning alliances and their members (CIAT, Bioversity) – *Target audience: Technicians*
- **2014:** Situational and territorial analysis (CIAT, Bioversity) – *Target audience: Technicians, Producers*
- **2013:** Elaboration and delivery of effective extension methodologies for Farmer Field Schools (SIRDI, IICA) – *Target audience: Technicians*
- **2012:** Effective territorial learning campaigns using study circles, radio, and video (SIMAS).
- **2011:** Formulation of renewable energy projects, National University of Engineering (UNI) – *Target audience: Master's students*
- **2010:** Participatory natural resource management, Central American University (UCA) – *Target audience: Master's students*

- **2009:** Communication for development, Central American University (UCA) – *Target audience: Master's students*
- **2007:** Participatory natural resource management, Central American University (UCA) – *Target audience: Master's students*
- **2006:** Ecological management of cocoa, IPADE-IP, Río San Juan, Nicaragua – *Target audience: Field technicians*
- **2006:** Agroecology and rural development, University of California, Santa Barbara / SIMAS.
- **2005:** Innovation and Rural Development, American University (UAM), Nicaragua – *Target audience: Master's students*
- **2004:** Biological control of agricultural pests, CATIE, UNAN León, UNA, Nicaragua – *Target audience: Undergraduate students*
- **2003:** Implementation of IPM and Agroforestry based on ecology and participation, CATIE – *Target audience: M.Sc. students*
- **2002:** Ecological management of vegetable pests, CATIE – *Target audience: Master's students*
- **2001:** Ecological management of coffee pests, CATIE – *Target audience: M.Sc. students*
- **1995:** Basic concepts of IPM, CATIE – *Target audience: Master's students*
- **1988:** Experimental methods, National Agrarian University, Managua, Nicaragua – *Target audience: B.Sc. students*
- **1987:** Ecological vegetable management, National Agrarian University, Nicaragua – *Target audience: B.Sc. students*
- **1986:** Agricultural pesticides, National Agrarian University, Managua, Nicaragua – *Target audience: B.Sc. students*
- **1983:** Neurobiology, State University of NY at Buffalo, USA – *Target audience: Medical School students*
- **1981:** Neurobiology, Open University, Nottingham, U.K. – *Target audience: Undergraduate Science students*
- **1978:** Insect physiology, IARI, New Delhi – *Teaching Assistant for M.Sc. students*

Labor Market Insertion Experience

- **2025–2026:** Labor market insertion of displacement-affected people through training, certification, and integration into the labor market with local implementing partners in Honduras, El Salvador, and Mexico (NRC).
- **2023–2025:** Labor market insertion of youth at risk through internships in local companies in partnership with training centers in Honduras and El Salvador (NRC).
- **2022–2025:** Current status and development plan for training centers for youth at risk in Honduras and El Salvador (UNHCR, NRC, NORAD).
- **2022–2023:** Labor market study for youth at risk and displacement-affected families in Honduras and El Salvador (UNHCR, NMFA, NRC).

Monitoring, Evaluation, and Learning (MEL) Experience

- **2022–2025:** Creation of an integrated data and information system for reporting and decision-making for the livelihoods and food security core competency of a humanitarian organization (NRC).
- **2020–2021:** Creation of an integrated data and information system for reporting and decision-making for a transnational private company, covering GIS, water, soil, crops, social, and financial data (12Tree).
- **2020–2021:** Development of offline applications for data collection and decision-making for small-scale cocoa farmers in Central America and the Caribbean (Rikolto).
- **2016–2020:** Collective learning on Climate-Smart Cocoa through online data and information systems with the participation of a diverse group of actors from cocoa-producing countries in Central America and the Caribbean (WCF, USA).
- **2014–2016:** Development, implementation, monitoring, and learning of a diverse portfolio of research-for-development projects with partner organizations in the territories (CIAT, CGIAR).
- **2013–2015:** Stakeholder mapping, situational and territorial analysis with multiple actors using an integrated systemic analytical framework (CIAT, CGIAR).
- **2010–2012:** Development of a transnational monitoring system for watershed monitoring and collective learning in the northern border region of Nicaragua-Honduras (UNOPS).
- **2008–2012:** Use of the internet for public tracking of program and project results and impact through participatory assessment of knowledge, attitudes, practices, perceptions, and current state of affairs (multiple agencies).

- **2001–2009:** Mapping and enhancing local innovation networks by employing participatory methods for organizational analysis (CIAT, CGIAR, World Bank).
- **1998–2004:** Conducting joint planning and public monitoring with 90 partner organizations of a regional program for IPM and Agroforestry implementation in Central America (CATIE).

References

- **Giorgio Lentini**, Country Director, North Central America and Mexico

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- **Dr. Jennifer Wiegel**, Country Manager, Nicaragua and Honduras

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- **Dr. Raina Lang**, Director, Sustainable Coffee Markets

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