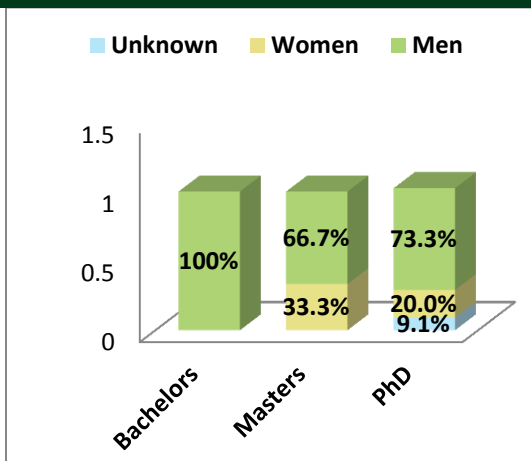




Feed the Future Innovation Labs for Collaborative Research Country Profile

Bangladesh



Long-term Degree Training

The Feed the Future Innovation Labs for Collaborative Research and the former Collaborative Research Support Programs (CRSPs) since 1978 have trained a total of **42 long-term degree students** from Bangladesh earning **42 degrees** in disciplines including Breeding, Plant Science, Economics, Entomology, Horticulture, and Sociology. Students received Bachelors (50%), Masters (14.3%), and Ph.D. (35.7%) degrees. Women received **12%** of those degrees. **BSMR Agricultural University** and **Bangladesh Agricultural University** granted the highest number of degrees with 6 and 2 respectively. Students studied under IPM, INTSORMIL, Pond Dynamics/Aquaculture, Soil Management, and Trop Soils at local universities and U.S. Universities including Cornell U, Mississippi State U, Penn State U, Purdue U, U Hawaii, and Virginia Tech.

U.S. University Partners, Bangladesh (2007 - 2014)

AquaFish

Oregon State U*
NC State U
U Michigan

Horticulture

UC Davis*
Cornell U

BASIS AMA

UC Davis*
Cornell U
U Colorado

IPM

Virginia Tech*
Penn State U
U Arizona
U Georgia
UC Davis
Washington State U

*Management Entity

Partners in Bangladesh (2007 - 2014)

	AquaFish	Horticulture	IPM
Bangladesh Agriculture Research Institute (BARI)		●	●
International Potato Center (CIP)		●	●
Bangladesh Agricultural University	●		
BioControl Research Laboratories (BCRL)			●
CARE Bangladesh			●
Khulna University	●		
Hajee Mohammad Danesh Science and Tech. Univ.	●		
Mennonite Central Committee			●
Project Laser Beam		●	
Shushilan, NGO	●		

Innovation Labs for Collaborative Research and CRSP Activities in Bangladesh (2007 - 2014)*

Aquaculture & Fisheries (AquaFish)

- Development of polyculture technology for giant freshwater prawns (*Macrobrachium rosenbergii*) and mola (*Amblypharyngodon mola*)
- Economic and environmental benefits of reduced feed inputs in the polyculture of tilapia and major Indian carps
- Experimental pond unit assessment in Bangladesh
- Improving nutritional status and livelihoods for marginalized women households in southwest Bangladesh through aquaculture and value chain analysis
- Integrated mola fish and gher/freshwater prawn farming with dyke cropping to increase household nutrition and earnings for rural farmers in southwest Bangladesh

- Novel approach for the semi-intensive polyculture of indigenous air-breathing fish with carps for increasing income and dietary nutrition while reducing negative environmental impacts
- Production of nutrient-rich small fish mola and freshwater prawn using integrated cage-pond carp polyculture for northwest Bangladesh
- Pulsed feeding strategies to improve growth performance, gastrointestinal nutrient absorption efficiency, and establishment of beneficial gut flora for tilapia pond culture
- The culture potential of Pangasius catfish in brackish (*hyposaline*) waters of the Greater Barisal regions in southern Bangladesh

BASIS Assets and Market Access (AMA)

- Understanding the impact of idiosyncratic shocks on farm productivity and household asset building and protection
- Insuring Against the Weather: Addressing the Challenges of Basis Risk in Index Insurance using Gap Insurance

Horticulture

- A Regional Approach to Food Safety for Fruits and Vegetables in Bangladesh
- Seed Systems: Improving seed quality for smallholders
- Strengthening Indigenous Informal Seed Systems
- Testing Potato Cool Storage
- Trellis III: Engaging US Students in International Development

Integrated Pest Management (IPM)

- Gender Equity, Knowledge, and Capacity Building
- International Plant Diagnostic Network
- IPM Impact Assessment
- IPM CRSP South Asia Regional Program
- Toward the Effective Integrated Pest Management of Plant Disease Caused by Viruses in Developing Countries: Detection and Diagnosis, Capacity Building and Training, and Formulation of IPM Packages

*Activities occurred at varying points from 2007-2014.



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