

# CURRICULUM VITAE

## Professor Prabhu Pingali

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TCi Blog: <http://blogs.cornell.edu/agricultureandnutrition/>

## BACKGROUND

### Academic Ranks

Full Professor: 2013

### Primary Departmental/Unit Program Area

Applied Economics & Management

### Professional Positions

Professor of Applied Economics and Management and Director of the Tata-Cornell Agriculture and Nutrition Initiative (TCi), Cornell University, Ithaca, NY, United States. (2013 - Present).

Professor of Nutritional Sciences, Cornell University, Ithaca, NY, United States. (2013 - Present).

International Professor of Applied Economics and Management, Cornell University, Ithaca, NY, United States. (2013 - 2016).

Deputy Director, Agriculture Development, Bill and Melinda Gates Foundation, Seattle, Washington, United States. (2008 - 2013).

Director, Agricultural and Development Economics Division, Food and Agricultural Organization (FAO), Rome, Italy. (2002 - 2008).

Director, Economics Program, International Maize and Wheat Improvement Center (CIMMYT), Texcoco, Mexico. (1996 - 2002).

Affiliate Professor, University of the Philippines, Los Banos, Philippines. (1987 - 1996).

Program Leader and Agricultural Economics, International Rice Research Institute (IRRI), Laguna, Philippines. (1987 - 1996).

Visiting Scholar, Stanford University, Food Research Institute, Stanford, California, United States. (1994).

Economist/Consultant, The World Bank, Washington, DC, United States. (1982 - 1987).

Research Assistant, North Carolina State University, Raleigh, North Carolina, United States. (1977 - 1982).

Researcher, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad, India. (1976).

## **Honors and Awards**

Outstanding Alumnus, North Carolina State University. (2010).

Honorary Life Member (Equivalent to Fellow), International Association of Agricultural Economists. (2009).

Elected Member (Foreign Associate), U.S. National Academy of Sciences. (2007).

Distinguished Fellow, American Agricultural Economics Association. (2006).

Outstanding Publication Award shared with A.C. Rola for "Pesticides, Rice Productivity, and Farmers' Health: An Economic Assessment", Philippine National Academy of Sciences and Technology. (1997).

Policy Article Prize shared with John Antle for "Pesticides, Farmer Health and Productivity", Center for International Food and Agricultural Policy, University of Minnesota. (1995).

M.S. Swaminathan Award for Social Science Research and Development for the book "Pesticides, Rice Productivity and Farmers' Health: An Economic Assessment", M.S. Swaminathan Research Foundation. (1993).

Quality of Research Discovery Award for the book entitled "Agricultural Mechanization and the Evolution of Farming Systems in Sub-Saharan Africa.", American Agricultural Economics Association. (1988).

## **ACADEMIC RESPONSIBILITIES**

### **Teaching Experience**

#### **Cornell University**

AEM4450, Toward a Sustainable Global Food System: Food Policy for Developing Countries, 2 courses.

NS4450, Toward a Sustainable Global Food System: Food Policy for Developing Countries, 2 courses.

## **Graduate Field Membership**

Applied Economics and Management  
Nutritional Sciences  
Public Affairs

## **Professional Advising**

Fox, Elizabeth (Teaching Assistant). (Fall 2013)

## **Other Relevant Teaching Activities, Accomplishments, etc.**

Guest Lecture for IARD 4020 - 9/20/2013  
The Green and Gene Revolution

## **2013 Extension/Outreach Responsibilities**

### **Extension/Outreach Workshops, Field Days, and Conferences**

Pingali, P., Frontiers in Agricultural Sustainability: Studying the Protein Supply Chain to Improve Dietary Quality, "Programmatic Solutions: The Tata-Cornell Agriculture and Nutrition Initiative at Cornell University", New York Academy of Sciences, Sackler Institute, New York New York. (December 12, 2013).

Pingali, P., Earth Institute Seminar, "Agricultural Pathways to Improved Nutrition: The Tata-Cornell Initiative's Vision and Strategy for India", Columbia University, Lamont Campus, New York. (December 10, 2013).

Pingali, P., Fall 2013 Seminar Series - Plant Breeding, "Malthus is Still Wrong! We Can Feed a World of 9 Billion", Department of Plant Breeding, Emerson Hall, Cornell University Campus. (October 8, 2013).

Pingali, P., Perspectives in International Development, "Agricultural Pathways to Better Nutrition and Poverty Reduction in India: The Tata-Cornell Program's Vision and Strategy", CIIFAD Seminar Series, Emerson Hall, Cornell University. (October 2, 2013).

Pingali, P., 2013 Science Forum, "Agricultural Pathways to Improved Nutrition: Getting Policies Right", CGIAR, Bonn, Germany. (September 25, 2013).

## **OTHER CURRENT PROFESSIONAL ACTIVITIES**

### **Department Service**

#### **Program Leader**

International Development and Economics Program, Dyson School. (2014 - 2016).

## **Public Service**

### **Advisory Council Member**

Conservation International's Science Advisory Council, Arlington, Virginia. (2012 - Present).

### **Board Member**

Nestle CSV Advisory Board and Creating Shared Value Forum, Cartagena. (2012 - Present).

Advisory Board of Agricultural Economics (Journal of the International Association of Agricultural Economists), Milwaukee, Wisconsin. (2006 - Present).

### **Committee Member**

American Agricultural Economics Association Fellows Selection Committee, Milwaukee, Wisconsin. (2008 - 2012).

McKnight Foundation, Oversight Committee, Minneapolis. (1998 - 2001).

### **External Advisor**

World Development Report 2008, World Bank, Washington, DC. (2007 - 2008).

### **Member of Panel and Co-Chair of Working Group**

Millennium Ecosystems Assessment Panel, Penang. (2001 - 2005).

### **Member, Advisory Council**

IFPRI Strategic Advisory Council, Washington, DC. (2012 - Present).

### **Member, Round Table**

U.S. National Academies Round Table on Science and Technology for Sustainability, Washington, DC.

### **Officer, President/Elect/Past**

International Association of Agricultural Economists, Milwaukee, Wisconsin. (2000 - 2009).

### **Officer, Vice President**

International Association of Agricultural Economists, Milwaukee, Wisconsin. (1997 - 2000).

### **Participated in Assessment and Co-Leader of Report**

International Assessment of Agricultural Science and Technology for Development (IAASTD), Nairobi.

# OTHER CURRENT PROFESSIONAL CONTRIBUTIONS

## Editor, Reviewer and Chair Activities

### Journal

"Agricultural Systems (International Journal)", Reviewer, Journal Article.

## PUBLICATIONS

- Herforth, A; Frongillo, E.; Sassi, F.; Mclean, M.; Arabi, M.; Tirado, C.; Remans, R.; Mantilla, G.; Thomson, M.; and Pingali, P. (Forthcoming). Research Gaps on Environmental and Societal Trends Affecting Food and Nutrition. *Annals of the New York Academy of Sciences*.
- Pingali, Prabhu; Schneider, Kate; Zurek, Monika. (2014). Poverty, Agriculture and the Environment: The Case of Sub-Saharan Africa. In J. vonBraun and F.W. Gatzweiler (Eds). *Marginality: Addressing the Nexus of Poverty, Exclusion and Ecology*, 151-168. Dordrecht: Springer.
- Pingali, P. (2014). Green Revolution: Impacts, Limits, and the Path Ahead, Chapter 4. In W. Falcon (Ed.) *Frontiers in Food Policy*. Stanford, CA: Stanford University Press.
- Pingali, Prabhu L. (2012). Scaling Up in Agriculture, Rural Development, and Nutrition: The Bill & Melinda Gates Foundation: Catalyzing Agricultural Innovation. In J.F. Linn (Ed.) *Scaling Up in Agriculture, Rural Development, and Nutrition: 2020 Focus 19, Brief 16*, International Food Policy Research Institute (IFPRI).
- Sachs, Jeffrey D; Remans, Roseline; Smukler, Sean M; Winowiecki, Leigh; Andelman, Sandy J; Cassman, Kenneth G; Castle, David; Defries, Ruth; Denning, Glenn; Fanzo, Jessica; Jackson, L.E.; Leeman, R.; Lehmann, J.; Milder, J.C.; Naeem, S.; Nziguheba, G.; Palm, C.A.; Pingali, P.L. et al. (2012). Effective Monitoring of Agriculture: A Response. *Journal of Environmental Monitoring*, 14, 3, 738-742. Royal Society of Chemistry.
- Dubé, Laurette; Pingali, Prabhu; Webb, Patrick. (2012). Paths of Convergence For Agriculture, Health, and Wealth. *Proceedings of the National Academy of Sciences*, 109, 31, 12294-12301. Washington, DC: National Acad Sciences.
- Pingali, Prabhu L. (2012). Green Revolution: Impacts, Limits, and the Path Ahead. *Proceedings of the National Academy of Sciences*, 109, 31, 12302-12308. Washington, DC: National Acad Sciences.
- Pingali, Prabhu. (2010). Global Agriculture R&D and the Changing Aid Architecture. *Agricultural Economics*, 41(s1): 145-153.
- Pingali, Prabhu. (2010). Changing Food Systems in the Developing World. In Laurette Dube et al. (Eds.) *Obesity Prevention: The Role of Brain and Society on Individual Behavior*. Amsterdam: Academic Press.
- Sachs, Jeffrey; Remans, Roseline; Smukler, Sean; Winowiecki, Leigh; Andelman, Sandy J; Cassman, Kenneth G; Castle, David; Defries, Ruth; Denning, Glenn; Fanzo, Jessica; Jackson, LE; Leemans, R; Lehmann, J; Milder, JC; Naeem, S; Nziguheba, G; Palm, CA; Pingali, PL et al. (2010). Monitoring the World's Agriculture. *Nature*, 466 (73060): 558-560.
- Pretty, Jules; Sutherland, William J; Ashby, Jacqueline; Auburn, Jill; Baulcombe, David; Bell, Michael; Bentley, Jeffrey; Bickersteth, Sam; Brown, Katrina; Burke, Jacob; ... Pingali, PL et al. (2010). The top 100 Questions of Importance to the Future of Global Agriculture. *International Journal of Agricultural Sustainability*, 8, 4, 219-236.
- Pingali, Prabhu. (2010). Agriculture Renaissance: Making "Agriculture For Development" Work in the 21st Century. *Handbook of Agricultural Economics*, 4, 3867-3894. The Netherlands: Elsevier.

- Pingali, Prabhu L; Evenson, Robert Eugene (Eds.). (2010). *Handbook of Agricultural Economics*. The Netherlands: Elsevier.
- Pingali, Prabhu; Mccullough, Ellen; Steinfeld, H; Mooney, HA; Schneider, F; Neville, LE. (2010). Drivers of Change in Global Agriculture and Livestock Systems. In H. Steinfeld, H.A. Monney, F. Schneider and L.E. Neville (Eds) *Livestock in A Changing Landscape, Volume 1: Drivers, Consequences and Responses*. Washington, DC: Island Press.
- Raney, Terri; Pingali, Prabhu. (2010). 農業革命の種をまく 組み換え作物を生かす道 [Translation: Way to Make Use of a Recominant Crops Sow the Seeds of Agricultural Rebolution,Chapter 4, In K. Kawamoto (Ed.) Energy, Water and Food Crisis. Nikkei Science, First Edition.] (エネルギー・水・食 持続可能な農業とは). 別冊日経サイエンス, 134-143. 日経サイエンス.
- Mccullough, Ellen B; Pingali, Prabhu L; Stamoulis, Kostas G. (2010). Small Farms and the Transformation of Food Systems: an Overview. *Looking East Looking West*, 47.
- Pardey, Philip G; Pingali, P. (2010). *Reassessing International Agricultural Research For Food and Agriculture*. Report Prepared For the Global Conference on Agricultural Research For Development Notes, 188-190.
- Pingali, P. (2010). Reflections, Conclusions and the Way Ahead. *World Food Security*, 101.
- Fonseca, J; Narrod, C; Rosegrant, Mark W; Fernandez, Maria; Sinha, Anushree; Alder, Jackie; Ahammad, Helal; De Fraiture, Charlotte; Eickhout, Bas; Fonseca, Jorge. (2009). *Looking into the Future For Agriculture and AKST*. International Assessment of Agricultural Knowledge, Science, and Technology (IAASTD).
- Pingali, Prabhu; Raney, Terri. (2008). *From the Green Revolution to the Gene Revolution. India, Some Aspects of Economic and Social Development*, The Cess Silver Jubilee Lectures, 257. Academic Foundation.
- Mccullough, Ellen; Pingali, Prabhu; Stamoulis, Kostas. (2008). *The Transformation of Agri-Food Systems*. Earthscan.
- Pingali, P. (2008). *Transformation of Food Systems in the Developing World: Implications For Research and Policy*. IRRI Thursday Seminar Jan, 31. International Rice Research Institute (IRRI).
- Pingali, Prabhu; Raney, Terri; Wiebe, Keith. (2008). Biofuels and Food Security: Missing the Point. *Applied Economic Perspectives and Policy*, 30, 3, 506-516. Oxford, UK: Oxford University Press.
- Mccullough, Ellen B; Pingali, Prabhu L. (2008). Overview of Case Studies Assessing Impacts of Food Systems Transformation on Smallholder Farmers. *The Transformation of Agri-Food Systems: Globalization, Supply Chains and Smallholder Farmers*, 227. Rome: FAO.
- Mccullough, Ellen B; Pingali, Prabhu L; Stamoulis, Kostas G (Eds.) (2008). *The Transformation of Agri-Food Systems: Globalization, Supply Chains and Smallholder Farmers*. Rome: FAO.
- Wik, Mette; Pingali, Prabhu; Brocai, Sumiter. (2008). *Global Agricultural Performance: Past Trends and Future Prospects*. Washington, DC: World Bank.
- Reardon, Thomas; Stamoulis, Kostas; Pingali, Prabhu. (2007). Rural Nonfarm Employment in Developing Countries in an Era of Globalization. *Agricultural Economics*, 37, 0, 173-183.
- Pingali, Prabhu. (2007). Agricultural Growth and Economic Development: A View Through the Globalization Lens. *Agricultural Economics*, 37, 0, 12-Jan.
- Raney, T; Pingali, P. (2007). Ziarno Rewolucji. Sowing a Gene Revolution. *Świat Nauki - Scientific American* 10.
- Gerpacio, Roberta V; Pingali, Prabhu L. (2007). *Tropical and Subtropical Maize in Asia: Production Systems, Constraints, and Research Priorities*. CIMMYT.
- Pingali, Prabhu and Raney, Terri. (2007). Asian Agricultural Development: From the Green Revolution to the Gene Revolution. In A.M. Balisacan, N. Fuwa (Eds.) *Reasserting the Rural Development Agenda: Lessons Learned and Emerging Challenges in Asia*. Singapore: Institute For Southeast Asian Studies Publishing.
- Pingali, Prabhu. (2007). Westernization of Asian Diets and the Transformation of Food Systems: Implications For Research and Policy. *Food Policy*, 32, 3, 281-298. The Netherlands: Elsevier.

- Pingali, Prabhu; Kelley, Tim. (2007). The Role of International Agricultural Research in Contributing to Global Food Security and Poverty Alleviation: The Case of the CGIAR. *Handbook of Agricultural Economics*, 3, 2381-2418. The Netherlands: Elsevier.
- Pingali, Prabhu. (2007). Agricultural Mechanization: Adoption Patterns and Economic Impact. *Handbook of Agricultural Economics*, 3, 2779-2805. The Netherlands: Elsevier.
- Evenson, Robert E; Pingali, Prabhu. (2007). Insights From Economic Growth theory. *Handbook of Agricultural Economics: Agricultural Development: Farmers, Farm Production and Farm Markets*, 3, 2253. The Netherlands: Elsevier.
- Evenson, Robert E; Pingali, Prabhu. (2007). *Handbook of Agricultural Economics. Volume 3: Agricultural Development: Farmers, Farm Production and Farm Markets*. Handbooks in Economics. The Netherlands: Elsevier.
- Pingali, Prabhu; Khwaja, Yasmeen; Meijer, Madelon. (2007). The Role of the Public and Private Sectors in Commercializing Small Farms and Reducing Transaction Costs. In J. Swinnen (Ed.) *Global Supply Chains, Standards and the Poor: How the Globalization of Food Systems and Standards Affects Rural Development and Poverty*, 267. United Kingdom: CAB International.
- Lipper, Leslie; Pingali, Prabhu; Zurek, Monika. (2007). Less-Favoured Areas: Looking Beyond Agriculture towards Ecosystem Services. In R. Ruben, J. Pender, and A. Kuyvenhoven (Eds.) *Sustainable Poverty Reduction in Less-Favoured Areas*. CABI Publishing, Wallingford, 442-460. Wallingford, England: CAB International.
- Raney, Terri; Pingali, Prabhu. (2007). バイオ技術 農業革命の種をまく 組み換え作物を生かす道 (特集 肥満と食糧危機--世界を蝕むパラドックス). 日経サイエンス [Translation: Paradox Undermine the World Food Crisis and Feature Obesity – Way to Make Use of the Transgenic Crops that Sow the Seeds of Biotechnology Agricultural Revolution, Nikkei Science] 37, 13, 82-91. 日経サイエンス.
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- Raney, Terri; Pingali, Prabhu. (2007). Biotecnología-Agricultura Transgénica-Una Nueva Revolución Verde Basada En Cultivos Modificados Genéticamente Podría Reducir La Pobreza Y El Hambre, Pero Sólo Con El Apoyo De Las instituciones Implicadas. *Investigación Y Ciencia: Edición Española De Scientific American* 374, 60-67.
- Reardon, Thomas; Pingali, Prabhu; Stamoulis, Kostas. (2006). *Impacts of Agrifood Market Transformation During Globalization on the Poor's Rural Nonfarm Employment: Lessons For Rural Business Development Programs*. Department of Agricultural Economics, Michigan State University.
- Stamoulis, Kostas G; Pingali, Prabhu L; Reardon, Thomas. (2006). *Impacts of Agrifood Market Transformation During Globalization on the Poor's Rural Nonfarm Employment: Lessons For Rural Business Development Programs*. International Association of Agricultural Economists.
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- Pingali, Prabhu; Stamoulis, Kostas; Stringer, Randy. (2006). Eradicating Extreme Poverty and Hunger: towards A Coherent Policy Agenda. In *The Development Dimension Trade, Agriculture and Development Policies Working together: Policies Working together*, 167. OECD Publishing.
- Jayne, Thomas S; Villarreal, Marcela; Pingali, Prabhu; Hemrich, Guenter. (2006). HIV/AIDS and the Agricultural Sector in Eastern and Southern Africa: anticipating the Consequences. *AIDS, Poverty and Hunger: Challenges and Responses*. Washington: IFPRI, 141-166.
- Nelson, Gerald C; Bennett, Elena; Berhe, Asmeret A; Cassman, Kenneth; Defries, Ruth; Dietz, Thomas; Dobermann, Achim; Dobson, andrew; Janetos, anthony; Levy, Marc. (2006). Anthropogenic Drivers of Ecosystem Change: An Overview. *Ecology & Society*, 11, 2.
- Pingali, Prabhu. (2005). IAAE Synopsis: Reshaping Agriculture's Contribution to Society: 1. *Agricultural Economics*, 32, 257-259.

- Pingali, Prabhu; Alinovi, Luca; Sutton, Jacky. (2005). Food Security in Complex Emergencies: Enhancing Food System Resilience. *Disasters* 29(1): S5-S24.
- Pingali, Prabhu and Raney, T. (2005). Globalization and Agricultural Biotechnology Research: Implications For the Developing Countries. In R. Tuberosa, R.R. Phillips, and M. Gale (Eds.) *In the Wake of the Double Helix From the Green Revolution to the Gene Revolution*, 635-654. Bologna, Italy: Avenue Media.
- Pingali, P. (2005). From the Green to the Gene Revolution: How Will the Poor Fare? *Indian Journal of Agricultural Marketing*, 19, 1, 1.
- Raney, Terri; Pingali, Prabhu. (2005). Private Research and Public Goods: Implications of Biotechnology For Biodiversity. In J. Cooper, D. Zilberman and L. Lipper (Eds) *Agricultural Biodiversity and Biotechnology in Economic Development*, 39-59. New York: Springer.
- Kelley, Laura M; Eberstadt, Nick; Kaplan, W; Laing, R; Jayne, Ts; Villarreal, M; Pingali, P; Hemrich, G; Garrett, L; Phillips, R. (2005). *Behind the Veil of A Public Health Crisis: Hiv/Aids in the Muslim World. Journal of the History of Sexuality*, 14, 3, 291-315. Seattle Washington National Bureau of Asian Research 2005 Jun.
- Alcamo, Joseph; Vuuren, D; Ringler, C; Alder, J; Bennett, Em; Lodge, D; Masui, T; Morita, T; Rosegrant, M; Sala, O. (2005). Methodology For Developing the MA Scenarios. *Ecosystems and Human Well-Being: Scenarios*, 2 145-172. Washington, DC: Island Press.
- Bennett, E; Carpenter, S; Cork, S; Peterson, G; Petschel-Held, G; Ribeiro, T; Zurek, M; Carpenter, Sr; Pingali, PL; Bennett, Em. (2005). *Scenarios For Ecosystem Services: Rationale and Overview*. Washington, DC: Island Press.
- Toth, Fl; Hinznyik, E; Park, J; Saterson, K; Stott, A; Carpenter, Sr; Pingali, PL; Bennett, Em; Zurek, Mb. (2005). Policy Synthesis For Key Stakeholders. Washington, DC: Island Press.
- Carpenter, Sr; Pingali, PL; Bennett, EM; Zurek, MB. (2005). *MA Conceptual Framework*. Washington, DC: Island Press.
- Nakicenovic, N; Mcglade, J; MA, SH; Alcamo, J; Bennett, E; Cramer, W; Robinson, J; Toth, FL; Zurek, M; Carpenter, Sr. (2005). *Lessons Learned For Scenario analysis*. Washington, DC: Island Press.
- Rodríguez, JP; Beard, TD; Agard, JRB; Bennett, E; Cork, S; Cumming, G; Deane, D; Dobson, AP; Lodge, DM; Mutale, M. (2005). *Interactions Among Ecosystem Services*. Washington, DC: Island Press.
- Cork, Steven; Peterson, Garry; Held, Petschel G; Alcamo, Joseph; Alder, Jacqueline; Bennett, Elena; Carr, Edward R; Deane, Danielle; Nelson, Gerald C; Ribeiro, Teresa. (2005). *Four Scenarios*. Washington, DC: Island Press.
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- Pingali, Prabhu. (2005). *Agricultural Diversification in Asia: Opportunities and Constraints*. Copyright International Rice Research Institute 2005, 420.
- Jayne, Thomas S; Villarreal, Marcela; Pingali, Prabhu; Hemrich, Günter. (2005). HIV/AIDS and the Agricultural Sector: Implications For Policy in Eastern and Southern Africa. *Electronic Journal of Agricultural Development Economics*, 2, 1.
- Pingali, P; Stringer, Randy. (2005). *Resource Quality and Changing Diets in Asia: Implications For Research and Policy*. International Conference on Soil, Water, and Environmental Quality--Issues and Strategies (2005: New Delhi, India).
- Watson, Robert T; Zakri, AH; Reid, WV; Mooney, HA; Cropper, A; Capistrano, D; Carpenter, Sr; Chopra, K; Dasgupta, P; Dietz, T. (2005). *Ecosystems and Human Well-Being. Synthesis*.
- Pingali, Prabhu; Khwaja, Yasmeen; Meijer, Madelon. (2005). Commercializing Small Farms: Reducing Transaction Costs. *The Future of Small Farms*, 61.
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