Uma Lele

[uma@umalele.org](mailto:uma@umalele.org)  [umalele1@gmail.com](mailto:umalele1@gmail.com)

and

Institute of Economic Growth

University of Delhi Enclave, North Campus

Delhi, INDIA 110 007

**Education**

MS and PhD, Agricultural Economics; Economics and Statistics, Cornell University, Ithaca, NY

BA, Economics and Statistics, Ferguson College, Pune, India, with distinction

**Professional Experience**

Affiliated with the Institute of Economic Growth, University of Delhi, India, April 2018–August 2021

President, International Association of Agricultural Economists (IAAE), August 2021; elected President-Elect, July 2018

Co-Convener, CGIAR High Level Advisory Panel, 2022: Independent, external panel of experts to guide leadership and staff in strengthening engagement with countries and regional partners, as CGIAR transitions to integrated One CGIAR.

Member, Advisory Panel, Academy of Global Food Economics and Policy (AGFEP), Beijing, China, 2021

*2022*

* Presentation to the Food Summit, April 27, 2022 (virtual). (Data work by Sambuddha Goswami).
* Presentation made to Perspectives in Global Development, Cornell University, April 13, 2022 (virtual) (Data work by Sambuddha Goswami).
* Opening Keynote Presentation: “Within Reach: No Poverty,” hosted by The Deaton Institute for University Leadership in International Development and the University of Missouri (virtual), April 4, 2022. (Data work by Sambuddha Goswami).
* Panel Moderator, “India and the World Bank: A Partnership of Over 75+ Years,” jointly sponsored by World Bank History, Economics, Agriculture & Rural Development thematic groups and the World Bank Group Library, April 28, 2022.
* Presentation on *Food for All: International Organizations and the Transformation of Agriculture*, sponsored by the Economics Group and Climate Change Mitigation & Adaptation Group of the Cosmos Club, Washington, DC, April 6, 2022.
* Presentation and Panel Discussion on *Food for All: International Organizations and the Transformation of Agriculture*, jointly sponsored by 1818 Society Agriculture and Rural Development Thematic Group, WBG History Thematic Group, and Library Session, World Bank, Washington, DC, January 20, 2022 (co-presenters: Uma Lele, Manmohan Agarwal, Brian Baldwin, and Sambuddha Goswami), with FAO, WFP, CGIAR, World Bank and IFAD members as panelists. <https://1930181.mediaspace.kaltura.com/media/Food+for+All-International+Organizations+and+the+Transformation+of+Agriculture/1_9k5zndws>
* Keynote Presentation, “Transforming Food Systems: Challenges for Agricultural Engineers,”

World Summit on Food and Agricultural Engineering, Food Summit 2022, London, January 10–11, 2022.

*2021*

* Member, Commission on Sustainable Agriculture Intensification (CoSai), 2021
* Member, Scientific Group of the UN Secretary-General’s Food Systems Summit
* Presentation on “Use of Science and Technology to Transform the Agricultural System,” Nestlé Scientific Roundtable, Lausanne, December 6, 2021
* Advisor, Rockefeller Archive Center Bellagio Conference 2021 Strategy Group Meeting: CGIAR at 50, September 17, 2021
* Organized 31st International Conference of Agricultural Economists, online, August 17 to August 31, 2021.
* Chair, Presentation, “Building Evidence for Transforming Agricultural Innovation Systems Under Climate Change,” Webinar No. 5: What Investment in Innovation Is Needed for Transforming Agricultural Systems in the Global South?”, Commission on Sustainable Agriculture Intensification, June 23, 2021 (in lead up to COP26, Glasgow)
* Uma Lele. Manmohan Agarwal. Brian Baldwin, and Sambuddha Goswami. 2021. *Food for All, International Organizations and the Transformation of Agriculture*. Oxford: Oxford University Press.
* Presentation on “Agricultural and Rural Development—Policies and Performance in Asia.” Academy of Global Food Economics and Policy (AGFEP), Beijing, China, April 23, 2021.

*2020–2019*

* Presentation on “History of the World Bank in Food and Agriculture,” co-sponsored jointly by the 1818 Society, the World Bank History Group, and the Bank’s Library service, May 6, 2020.
* IAAE Inter-Conference Symposium: “Small-Holder Farms in Market Integration,” November 11–13, 2019, Nanjing Agricultural University (NJAU), Nanjing, China. Academic planning committee member and session organizer. Keynote Address: “*Structural transformation of lagging countries: Some hypotheses regarding slow agricultural productivity growth and premature de-industrialization: With Focus on Asia.*”
* Organized Symposium on “Response of Countries to Growing Water Scarcities: Implications for Research.”
* IAAE Board Meeting in conjunction with Triennial Conference of the African Association of Agricultural Economists (AAAE), Abuja, Nigeria, September 22, 2019. Participated in Invited Panel. Presentation of paper on “*Structural transformation of lagging countries: Some hypotheses regarding slow agricultural productivity growth and premature de-industrialization: With Focus on Africa.”*
* Panel Discussion on Indian Agriculture for “Who Will Feed India? The Political Economy of India’s Agricultural Policies and Implications for the Future.” Policy Seminar co-organized by the International Food Policy Research Institute and the Center for the Advanced Study of India (CASI), Washington, DC, March 22, 2019.
* Presentation, “Water and Food Security Under Multiple Transitions: From Irrigation to Water Management.” Meeting organized by Agricultural and Water Global Practices, Agriculture and Rural Development, and Water and Urban Thematic Groups, World Bank, at 1818 Society of World Bank Alumni Group, Washington, DC, January 23, 2019.

*2018–2016*

* Presentation, “The Fourth Industrial Revolution, Agricultural and Rural Innovation, and Implications for Public Policy and Investments: A Case of India,” 22nd ICABR Conference, International Consortium on Applied Bioeconomy Research, “Disruptive Innovations, Value Chains, and Rural Development,” World Bank, Washington, DC, June 12–15, 2018.
* Presentation, “Structural Transformation and the Uses of IDA – The Contributions of the World Bank Group,” 22nd ICABR Conference, International Consortium on Applied Bioeconomy Research, “Disruptive Innovations, Value Chains, and Rural Development,” World Bank, Washington, DC, June 12–15, 2018.
* Presentation, “Evolving National Policies in the EU, US, China and India: The Case of India,” International Centre for Trade and Sustainable Development (ICTSD), Geneva, May 9, 2018.
* Presentation, “Emerging Asia’s Differential Growth Performance: Through Clifton Wharton’s Insights.” Clifton R. Wharton Emerging Markets Award Presentation, Charles H. Dyson School of Applied Economics and Management, Cornell University, Ithaca, New York, April 17, 2018.
* Presentation, “Incentives and Rewards for Scaling Up Innovations: Reflections on Food and Agriculture in India over 70 Years of Independence”, Dr. M.S. Swaminathan Award Event, Delhi, October 30, 2017.
* Keynote address, “Forest Contributions to Poverty Eradication: Unfulfilled Potential”, 12th session of UN Forum on Forests, UN Headquarters, New York, May 2, 2017.
* Lecture, “Incentives and Rewards to Innovation in a Rapidly Changing Global Environment”, Agricultural Economics Filley-Garey Seminar, University of Nebraska-Lincoln, April, 7, 2017.
* Plenary speaker, “Doubling Farmers’ Income under Climate Change,” XIII Agricultural Science Congress 2017, “Climate Smart Agriculture,” National Academy of Agricultural Sciences (NAAS), New Delhi and University of Agricultural Sciences, Bengaluru, India, February 21–24, 2017.
* Presentation, “Who Are the Principal Multilateral Financing Actors and Institutions? What Does the Landscape Tell Us About Where We Need to Focus Efforts?” Bill & Melinda Gates Foundation on Building a Roadmap to SDG2: What Can Donors Do to Drive Progress?. Rome, November 30, 2016.
* Special Lecture “Food Security and Nutrition,” at 76th Annual Conference of the Indian Society of Agricultural Economics, Jorhat, Assam, November 21–23, 2016.
* Organized Symposium (jointly with William A. Masters) on “Measuring Food and Nutrition Security: FSIN’s Independent Assessment of Indicators.” Annual Meeting, Agricultural and Applied Economics Association (AAEA), Boston, August 2, 2016.

*2014–2015*

* “Food Security Information Network (FSIN) Technical Working Group on Measuring Food and Nutrition Security.” Co-chaired with William A. Masters, with Joyce Kinabo, J.V. Meenakshi, Bharat Ramaswami, Julia Tagwireyi, Winnie F. L. Bell, and Sambuddha Goswami. http://www.fsincop.net/topics/fns-measurement/en/
* Plenary presentation, “Food and Nutrition Security Analysis: Data Availability, Access, and Analysis” in Addis Ababa, Ethiopia, on November 17, 2015, based on “Do We Have the Right Data? Towards Better Measurement of High Priority Indicators to Eradicate Hunger and Assure Healthy Food for All.” *Panel 1 Background Paper for African Union Commission (AUC)–FSIN Technical Consultation Food and Nutrition Security and Resilience Analysis*, November, 17–19 2015, (co-author: Joyce Kinabo, with inputs from William A. Masters, J.V. Meenakshi, Bharat Ramaswami, Julia Tagwireyi, Winnie F. L. Bell, and Sambuddha Goswami). http://www.fsincop.net/resource-centre/detail/en/c/344486/
* Organized (jointly with William A. Masters) Symposium 5: “Measuring Food and Nutrition Security: Results of the FSIN Technical Working Group,” and Symposium 6: “Measuring Food and Nutrition Security: Brainstorm Critique of the FSIN Technical Working Group Recommendations,” 29th International Conference of Agricultural Economists (ICAE), Milan, August 13–14, 2015.
* Presentation, “Future Relevance of International Institutions.” In an Invited Panel: “Agriculture and Rural Development in a Transforming World” Session chaired by Joachim von Braun, 29th ICAE, Milan, August 12, 2015.
* Organized Symposium 3: “Patterns of Structural Transformation and Agricultural Productivity Growth” in the Symposium “Transforming Rural India: Pathway to a Better Future,” organized by Madhur Gautam, 29th ICAE, Milan, August 11, 2015.
* Organized Symposium 1: “Food for All: International Institutions and the Transformation of Agriculture,” 29th ICAE, Milan, August 10, 2015.
* “Future Relevance of International Institutions,” in Hans Binswanger Festschrift preceding the 29th ICAE, Milan, August 7, 2015.
* Presentation, “Future Role and Relevance of International Organizations: Eradicating Extreme Poverty and Hunger and Contributing to Shared Prosperity by 2030?” International Fund for Agricultural Development (IFAD), Rome, June 23, 2015.
* Presentation, “Productivity Growth and Structural Transformation: A Comparative Perspective Focus on Brazil, China, India and Indonesia 1980–2013,” (co-authors: Manmohan Agarwal and Sambuddha Goswami), Fifth Delhi Economic Conclave, Department of Economic Affairs, Ministry of Finance, GOI, Delhi. December 10-11, 2014.
* Presentation, “India’s Structural Transformation from a Comparative Perspective: Implications for Policy,” (co-authors: Manmohan Agarwal and Sambuddha Goswami), IEG–IFPRI International Conference on Innovation in Indian Agriculture: Ways Forward. New Delhi, December 4-5, 2014.
* Presentation, “Food for All: International Organizations and the Transformation of Agriculture,” 2014-15 Workshop on ‘Sustainability of the World's Food and Farming Systems,’ Weatherhead Center for International Affairs and the Sustainability Science Program of the Mossavar-Rahmani Center for Business Government at Harvard Kennedy School, September 22, 2014.
* Presentation, “Towards a More Effective Global Architecture for Food and Agriculture,” The Agricultural & Applied Economics Association (AAEA), July 29, 2014.
* Presentation “Water and Agriculture 2050: Are We Ready for 2050?” (co-authors: Herve Plusquellec and Richard Reidinger), Norman Borlaug’s 100th birthday Summit on “Wheat for Food Security,” Ciudad Obregón, Mexico, March 25–28, 2014.
* Presentation, “Is India Ready for The Water and Agriculture Challenge?” at the International Symposium on “Towards a Desirable Future for India in an Increasingly Globalized Society.” Organized by Institute for Human Development (IHD), India International Centre, Lodhi Estate, New Delhi, March 9–11, 2014.

*2012–2013*

* Presentation, “The Interdependence of the Economic, Social and Environment Dimensions” as Side Event at CBD and CCD Secretariats, UN Foundation, Co-sponsored by UNEP, November 25, 2013.
* Presentation, “Towards a More Effective Global Architecture for Food and Agriculture,” Bill and Melinda Gates Foundation, November 21, 2013.
* Keynote address and lead author of a paper on “Lessons of the Global Structural Transformation Experience for the East African Community” for the International Symposium and Exhibition on Agriculture, organized by Kilimo Trust, Kampala, Uganda, November 5–7, 2013.
* Independent External Evaluation of the Scientific and Technical Advisory Committee, Operational Program Study 5, Global Environmental Facility, October 2013.
* Keynote address “Challenges and Developments in Financing Irrigation and Drainage Sector” for International Commission on Irrigation and Drainage (ICID)’s First World Irrigation Forum, Mardin, Turkey, September 30, 2013.
* Presentation, “Good Governance for Water, Food and Energy Security in Asia,” International Food Policy Research Institute (IFPRI), Washington, DC, June 26, 2013.
* Keynote address and lead author of a paper on “Changing Roles of Forests and their Cross- Sectorial Linkages in the Course of Economic Development,” prepared for the United Nations Forum on Forests, Istanbul, Turkey, April 2013.
* Presentation and Keynote address, “Structural Transformation & Women’s Labor Force Participation: Implications for Research and Development,” International Rice Research Institute (IRRI), Los Banos, Philippines, March 14, 2013.
* Presentation, “Achieving Excellence in Agricultural Education Experience from across the World,” XI Agricultural Sciences Congress, NAAS on “Agricultural Education: Reshaping India’s Future,” Bhubaneswar, Odissa, February 7–9, 2013.
* Presentation, “Changing Roles of Forests and Their Cross-sectoral Linkages in the Course of Economic Development” and “Sustainable Forest Financing or Financing of Sustainable Natural Resource Management Through Landscapes? Reconciling Tensions between Financing Instruments and Sustainable Development Needs” at the United Nations Forum on Forests, Open-ended Intergovernmental Ad Hoc Expert Group on Forest Financing, Second meeting (AHEG2), Vienna, January 14–18, 2013.
* Presentation, “Agrarian Trends in South Asia,” at IWMI–TATA Annual Partners’ meeting, Anand, Gujarat, November 2012.
* Presentation, “Gender in Agriculture Panel” at the Global Conference on Agriculture for Development (GCARD 2), Punta del Este, Uruguay, October 29, 2012.
* Presentation, “Water and Food Security and Governance in Asia” at Atlantic Council at 50, Washington, DC, October 18, 2012.
* Presentation, “Forests and Economic Development” (UNFF10 Background Papers) at CPF Organization Led Initiative (OLI) on Forest, Rome. September 20, 2012.
* Presentation, Keynote address, titled, “The Nexus of Forests, Food, Agriculture, Energy, Water and Poverty in A Dynamic World of Globalization, Climate Change and Technological Change: Implications for Future Financing for “Optimal Land Use” at CPF Organization Led Initiative (OLI) on Forest, Rome, September 19, 2012.
* Presentation, Keynote address, “Good Governance for Water and Food Security” at World Water Week, Stockholm, August 28, 2012.
* Presentation, “Towards a More Effective Global Architecture for Food and Agriculture: Re-Calibrating Traditional Institutions and Integrating New Players” for the IAEA Meeting in Iguasu Falls, Brazil, August 20, 2012; also at the Institute of Development Studies (IDS), July 27, 2012, and World Bank Economist Chapter, 1818 H Society, June 13, 2012.
* Presentation, “Patterns of Structural Transformation and Agricultural Productivity Growth: With a Special Focus on Brazil, China, Indonesia and India,” organized by South Asia Agricultural and Rural Development, World Bank, Washington DC, June 7, 2012; and also at ICRIER-FGI WORKSHOP, in New Delhi, June 22, 2012.
* Presentation, “What Key Policy and Institutional Issues Constrain Women’s Full Participation in Agricultural Growth? What Can Be Done to Change the State of Affairs?” at Policy Forum 1 in “Global Conference on Women in Agriculture: Overarching Goal Empowering Women for Inclusive Growth in Agriculture,” organized by the Indian Council of Agricultural Research (ICAR) and Asia–Pacific Association of Agricultural Research Institutions (APAARI), New Delhi, March 13–15, 2012.
* Presentation, “The Evolving Global Architecture for Food and Agriculture 12th Annual Conference on Science, Policy, and Environment, Washington, DC, January 18–20, 2012.

*2010–2011*

* Member, External Advisory Panel, Evaluation of UNDP Global Partnerships
* Member, Organizing Committee, Global Conference on Women in Agriculture
* Presentation, “Towards A More Effective Global Governance of Food and Agriculture” at “Good Food Security Governance: The Crucial Premise to the Twin-Track Approach Workshop,” FAO, December 5–6, 2011.
* Presentation, “Global Agricultural Development: Changing Aid Architecture, New Players, and the Evolving Roles of Traditional Donors,” (co-authors: Manmohan Agarwal and Sambuddha Goswami), American Applied Economics Association, Pittsburgh, July 26, 2011; which led to presentation, “Towards A More Effective Global Governance of Food and Agriculture” at “Good Food Security Governance: The Crucial Premise to the Twin-Track Approach Workshop,” Food and Agriculture Organization of the United Nations (FAO), December 5–6, 2011.
* Opening presentation on “Patterns of Agricultural and Structural Transformation in 109 Developed and Developing Countries with Special Focus on Brazil, Indonesia, India, and China,” (co-authors: Manmohan Agarwal, Peter Timmer, and Sambuddha Goswami), organized by the Indira Gandhi Institute for Development Research, “Policy Options and Investment Priorities for Accelerating Agricultural Productivity Growth,” New Delhi, November 9–11, 2011. That work led to presentations at Lincoln Institute, Beijing, and University of Hohe, Nanjing, China, November 2011.
* Presentation, “Challenges Facing the Global Architecture for Food and Agriculture Going Forward” at the Forum on “Food Price Increases: Causes, Impacts and Responses—AGENDA,” Institute for International Economic Policy, Elliott School of International Affairs, George Washington University, Washington, DC, September 30, 2011.
* Keynote address on “Water, Food, Energy, and Institutions: Inextricably Linked Consulting Partners Meeting,” Global Water Partnership, Stockholm, August 18, 2011.
* Presentation, “Harnessing Knowledge for Development: India’s Agricultural Development,” for an Annual Lecture sponsored by The Trust for The Advancement of Agricultural Science (TAAS), New Delhi, August 12, 2011.
* Presentation, “African Regional Food and Water Challenges: In A Global Context” prepared for the Joint GWP (Global Water Partnership)—IWMI (International Water Management Research Institute) workshop in Southern and Eastern Africa, Johannesburg, May 24–25, 2011.
* Organizer (with Tushaar Shah) of the Global Water Partnership (GWP) and International Water Management Institute (IWMI)-sponsored Workshop “Climate Change, Food and Water Security in South Asia: Critical Issues and Cooperative Strategies in an Age of Increased Risk and Uncertainty,” Colombo, Sri Lanka, February 23–25, 2011.
* Presentation, “The Environment and Global Governance: Can the Global Community Rise to the Challenge?” (Co-authors: Aaron Zazueta and Benjamin Singer), Annual Land Policy Conference, “The Environment, Climate Change and Land Policies,” Cambridge, MA, May 24–25, 2010.
* Presentation, Theme paper, “Transforming Agricultural Research for Development” (co-authors: Eduardo Trigo, Eugene Terry, and Jules Pretty) for the Global Conference on Research for Development (GCARD) (hosted by the Global Forum for Agricultural Research (GFAR), Montpellier, France, March 28–30, 2010.

*2008–2009*

* Leader, Independent External Review (jointly with Kavita Gandhi) of the M.S. Swaminathan Research Foundation
* Chair, World Bank’s Quality Assurance Panels, Arab Water Partnership, and Growing Forest Partnerships
* Author, “Rationale and Conceptual Framework for the World Bank’s TB Control Program Investments” (in the context of other Communicable Disease Programs and Health Systems of Countries) in sub-Saharan Africa.
* Member, High Level Expert Group on Knowledge Partnerships, World Bank
* Member, High Level External Advisory Panel on UNICEF’s Evaluation of Global Programs and Partnerships
* Member, Quality Assurance Panel, International Fund for Agricultural Development (IFAD)
* Presentation, “Balancing Global Public Goods and Agricultural Development Needs of Developing Countries,” Stockholm, August 21, 2008.

*2006–2008*

* Member, First Independent External Evaluation Panel, FAO, Rome
* Visiting Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD
* Member, High Level External Advisory Panel, the Global Environmental Facility’s Overall Performance Study (OPS) 3

*1998–2005*

* Senior Advisor, Operations Evaluation Department/Independent Evaluation Group (OED/IED), World Bank, Washington, DC
* Led the first ever three-part evaluation of the World Bank's Global Partnerships: (1) Review of Global Programs (2002); (2) The CGIAR at 31: An Independent Meta-Evaluation of the Consultative Group on International Agricultural Research (CGIAR) 2003; and (3) Review of Global Programs published as “Addressing Challenges of Globalization: the World Bank’s Approach to Global Programs,” 2004.
* Presentation, “India’s Poverty, Agriculture and Social Development in a Global Context: Comparisons with Developing Countries and China,” (co-authors: Kavita Gandhi and Madhur Gautam), 88th Session of the Indian Science Congress on “Food, Nutrition and Environmental Security,” for Session on “Improving Productivity and Alleviating Poverty.” Indian Agricultural Research Institute, New Delhi, January 3–7, 2001.
* Co-chair (with Professor Shen Gao Fang of the Chinese Academy of Engineering), Task Force on Forests and Grasslands in the Development of the West, commissioned by the China Council for International Cooperation on Environment and Development.
* “Organizing International Science for Environmentally and Socially Sustainable Agricultural Development in a Globalized World: The U.S. Case.” Prepared for the American Association for the Advancement of Science (AAAS), 150th Anniversary Annual Meeting, Philadelphia, February 12–17, 1998.

*1995–1998*

* Advisor, Environmentally and Socially Sustainable Development, World Bank, Washington, DC

*1993–1997*

* Co-chair, Taskforce on Research Innovations on Productivity and Sustainability at the University of Florida, Gainesville (with Professor Ronne Coffman of Cornell University).

*1993–1994*

* Founding Director, Global Development Initiative of the Carnegie Corporation and the Carter Center, the Carter Center, Atlanta, GA
* Director, International Studies and Programs, University of Florida, Gainesville

*1991–1995*

* Tenured Graduate Research Professor, Food and Resource Economics, Institute of Food and Agricultural Sciences, University of Florida, Gainesville
* Consultant for the Technical Advisory Committee (TAC), now called the Independent Science and Partnership Council of the CGIAR
* Led the Operations Evaluation Department’s (OED) Evaluation of the World Bank Group’s 1991 Forest Strategy and its Implementation.

*1971–1991*

* Various positions, World Bank, Washington, DC:
* Economist, Development Economics Department
* Lead Sector Economist, Southern Africa Region
* Deputy Chief, Southern Agricultural Division, Africa Region
* Lead Country Economist, Indonesia
* Chief, Development Strategy Division
* Manager, Agricultural Policy, Africa Region.

**Memberships and Professional Associations**

* Trustee, WETA-TV (PBS) Board of Trustees, 2022
* Member, Commission on Sustainable Agriculture Intensification (CoSai), 2021
* Member, Scientific Group of the UN Food Systems Summit 2021
* Member, Program Advisory Board, End Hunger Sustainably, 2018–
* Member, International Advisory Panel, Robert B. Daugherty Water for Food Global Institute, University of Nebraska, 2014–2020
* Board of Commissioners, International Initiative for Impact Evaluation (3IE), 2014–
* Senior Advisor, Global Water Partnership, 2014
* Member, Technical Committee, Global Water Partnership, Stockholm, 2007–2013
* Member, Board of Directors, Institute of Development Studies, Brighton, UK, 2005–2013
* Member, Board of Directors, M.S. Swaminathan Research Foundation, Chennai, India, until 2011
* Member, Board of Directors, ENGENDERHEALTH, New York, NY, 2007–2010
* Member, Founding Board of Directors of the Center for International Forestry Research (CIFOR) of the CGIAR, 1992–1994
* Fellow, Agricultural & Applied Economic Association (AAEA), 1999
* Life Member, National Academy of Agricultural Sciences, India (NAAS), 1998
* Member, Executive Board, 1818 society 2006–2008
* Treasurer, Watergate South, 2006–2007

**Honors and Awards**

* Honorary Doctorate Degree, Stellenbosch University, South Africa, awarded 2020.
* Honorary Fellow, African Association of Agricultural Economists (AAEE), in recognition of outstanding scholarship, distinguished leadership, and extraordinary service to African agricultural development, Abuja, Nigeria, September 2019.
* Clifton R. Wharton, Jr. Emerging Markets Award for “Outstanding service, leadership and contribution to economic progress in emerging markets.” Dyson School of Applied Economics and Management, Cornell University, 2018.
* Dr. B. P. Pal Award, of the National Academy of Agricultural Sciences (NAAS) for “Outstanding overall contribution to agriculture,” New Delhi, 2017.
* Dr. M. S. Swaminathan Award for “Leadership in Agriculture” by the Trust for Advancement of Agricultural Sciences (TAAS), New Delhi, 2017.
* Honorary Lifetime Member, International Agricultural Economic Association (IAAE), 2015
* Lifetime Achievement Award, Indian Society of Agricultural Economics (ISAE)
* Outstanding Alumni Award, Cornell University, 2008
* Fellow, American Agricultural and Applied Economics Association, 1999
* Outstanding Scientist, American Association of Agricultural Scientists of Indian Origin, 1995

**Philanthropy**

* Mentorship Program at the Agricultural & Applied Economic Association (AAEA) for students from developing countries
* An award (2011) for Best Research on Gender at the International Association of Agricultural Economists (IAAE).

**Publications**

Eighteen books or book-length authored, co-authored, or edited publications, including books on agriculture and rural development and major influential evaluations of the World Bank and other international organizations, and well over 130 book chapters, papers, articles, and other writings in the areas of food and agriculture, the environment, public health, science and technology, aid and finance, and evaluation, covering Asia, Africa, and Latin America.

Books

*Food for All: International Organizations and the Transformation of Agriculture.* Oxford: Oxford University Press, 2021 (co-authors: Manmohan Agarwal, Brian C. Baldwin, and Sambuddha Goswami.

*Patterns of Structural Transformation and Agricultural Productivity Growth.* With Special Focus on Brazil, China, Indonesia, and India. Pune: Hind Law House Publications for Gokhale Institute of Politics and Economics, 2018 (co-authors: Manmohan Agarwal and Sambuddha Goswami).

*Managing a Global Resource: Challenges of Forest Conservation and Development*. Piscataway, NJ: Transaction Publishers, 2002.

*Intellectual Property Rights in Agriculture: The World Bank’s Role in Assisting Borrower and Member Countries*, Environmentally and Socially Sustainable Development Department, World Bank: Washington, DC, 1999 (co-authors: William Lesser and Gesa Horstkotte-Wesseler).

*Aid to African Agriculture: Lessons from Two Decades of Donors' Experience*, editor. Baltimore: Johns Hopkins University Press, 1992.

*Transitions in Development: The Role of Aid and Commercial Flows*. Editor. San Francisco: Institute for Contemporary Studies Press, 1991 (co-editor: Ijaz Nabi).

*The Design of Rural Development: Lessons from Africa*. Baltimore: Johns Hopkins University Press, 1975. Published in French, 1977. Third printing, 1979, included a new chapter entitled, “A Revisit to African Rural Development.”

*Food Grain Marketing in India: Private Performance and Public Policy*. Ithaca, NY: Cornell University Press, 1971.

*Developing Rural India: Plan and Practice*, Ithaca, NY: Cornell University Press, 1968 (co-authors: John W. Mellor, Sheldon R. Simon, and Thomas F. Weaver).

Book Chapters

“Governance of the ‘Big Five’ International Organizations Concerned with Food Security and Nutrition.” In the *Handbook of International Food and Agricultural Policies. Global Challenges for Future Food and Agricultural Policies*, edited by D. Blandford and K. Hassapoyannes, Chapter 18. Singapore: World Scientific, 2019 (co-author: Sambuddha Goswami).

“Structural Transformation and the Transition from Concessional Assistance to Commercial Flows: The Past and Possible Future Contributions of the World Bank.” In *Agriculture and Rural Development in a Globalizing World: Challenges and Opportunities*, edited by Prabhu Pingali and Gershon Feder, Chapter 16. London: Routledge, 2017 (co-authors: Sambuddha Goswami and Gianluigi Nico).

“Doubling Farmers’ Income under Climate Change”. In *Agriculture under Climate Change: Threats, Strategies and Policies,* edited by V.V. Belavadi,‎ N. Nataraja Karaba,‎ and N.R. Gangadharappa, Chapter 68. India, Allied Publishers Pvt. Ltd, 2017.

“Growth of Land, Labor and Total Factor Productivity in Agriculture in Brazil, India, Indonesia, and China.” In *World Scientific Reference on Asia and the World Economy*, Vol. 1: Sustainability of Growth, edited by Manmohan Agarwal, Jiahua Pan, and John Whalley. Singapore: World Scientific, 2015 (co-authors: Manmohan Agarwal and Sambuddha Goswami).

“Achieving Excellence in Agricultural Education: Mobilizing Experience from Around the World.” In Transforming Agricultural Education for Reshaping India’s Future Proceeding, edited by R. B. Singh. 11th Agricultural Science Congress, NAAS 2014.

“The Lessons from the Consultative Group on International Agricultural Research: The First World- Bank-Funded Global Program.” In Food and Nutrition Security in the Process of Globalization and Urbanization, edited by Uwe Kracht and Manfred Schulz, 763–772. Münster: Lit Publisher, 2005 (co-author Christopher D. Gerrard).

“Building Regional Cooperation from the Bottom-up and Top Down: The Case of Southern Cone Countries.”In *Guidelines for Designing New Organization and Funding Way for Agricultural and Agro Industrial Innovation System in the Southern Cone,* edited by IICA, Montevideo: IICA, 1998.

“The Food Crisis in South Asia: The Case of India.” In *The Evolving Role of the World Bank: Helping Meet the Challenge of Development***,** edited by K. Sarwar Lateef, 69–76, 1995 (co-author: Balu Bumb).

“Women, Structural Adjustment and Transformation: Some Lessons and Questions From the African Experience.” In *Structural Adjustment and African Women Farmers*, edited by C. H. Gladwin, 46–80. Gainesville, Florida: University of Florida, Center for African Studies, 1991.

“Empowering Africa’s Rural Poor: Problems and Prospects in Agricultural Development.” In *Strengthening the Poor: What Have We Learned?* edited by John P. Lewis, 73–92. Washington, DC: Overseas Development Council, 1988.

“Comparative Advantage and Structural Transformation: A Review of Africa's Economic Development Experience.” In *The State of Development Economics’ Progress and Perspectives*, edited by Gustav Ranis and T. Paul Schultz. New York: Blackwell, 1988.

“Foreign Assistance and Agricultural Development: Implications of the Past 25 Years for Policy Conditionality, Capacity Building, and Sustainability.” In *World Food and Agriculture: Some Problems and Issues*, edited by Sisay Asefa, 47–66. Kalamazoo, MI: W. E. Upjohn Institute for Employment Research, 1988.

“Agricultural Growth, Its Determinants, and Their Relationship to World Development: An Overview*.”* In *Agriculture and Governments in an Interdependent World,* edited by Allen Maunder and Alberto Valdes, Proceedings of the Twentieth International Conference of Agricultural Economists, Buenos Aires, Argentina, August 24–31, 1988, (co-author: John W. Mellor).

“Growth of Foreign Assistance and Its Impact on Agriculture.” In *Accelerating Food-production Growth in Sub-Saharan Africa,* edited by John W. Mellor, Christopher Delgado, and Malcolm J. Blackie. Baltimore: Johns Hopkins University Press, 1986.

“Tanzania: Phoenix or Icarus.” In *World Economic Growth*, edited by Arnold Harberger. San Francisco: Institute of Contemporary Studies, 1984.

“Food Security in Developing Countries: National Issues.” In *Agricultural Development in the Third World*, edited by Carl K. Eicher and John M. Staatz. Baltimore: Johns Hopkins University Press, 1984 (co-author: Wilfred Candler).

“Problems of Rural Development: Some Contrast between Asia and Africa.” In *Issues in Third World Development*, edited by K. Nobe and R. Sampath. Boulder, CO: Westview Press, 1983.

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