

April 11, 2019

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***EDUCATION***

1990-1995 Ph.D. Economics, Cornell University, USA  
Fields: Development Economics, Environmental Economics  
1987-1989 M.A. Economics, Jawaharlal Nehru University, India  
1984-1987 B.A. Economics, Delhi University, India

***POSITIONS HELD***

05/2013 – present Associate Professor, School of Sustainability; Senior Sustainability Scientist, Global Institute of Sustainability, Arizona State University  
08/2006 – 04/2013 Assistant Professor, School of Sustainability, Arizona State University  
08/2005 - 05/2006 Adjunct Assistant Professor, Southern Methodist University  
01/2002 - 05/2005 Associate Research Professor, University of North Texas  
09/2000 - 03/2001 Visiting Research Scholar, University of California, Berkeley  
04/1999 - 05/2001 Senior Consultant, World Bank  
08/1995 - 05/2000 Assistant Professor, University of Maryland, College Park  
04/1994 – 05/1994 Visiting Research Scholar, International Crops Research Institute for the Semi-arid Tropics (ICRISAT), India  
08/1990 - 05/1995 Graduate Research/Teaching Assistant, Cornell University

***AWARDS AND HONORS***

PLuS Alliance Fellow, 2016-present. ([www.plusalliance.org](http://www.plusalliance.org))  
Fulbright-Nehru Academic and Professional Excellence Award (Research and Teaching) for India. July –November 2015.  
President's Award for Sustainability, Arizona State University, April 2010.  
Sage Fellowship, Cornell University, in recognition of "Outstanding Research Potential," 1993.  
Comparative Economic Development Program, Overseas Research Travel Grant, Cornell University, 1993.  
Davenport Award for the "Best Teaching Assistant" in Economics, Cornell University, 1992.  
Nehru Centenary Fellowship in Economics, awarded by the Ministry of Human Resource Development, New Delhi, India, 1990.

**PUBLICATIONS****Journal Articles (peer reviewed)**

(\* denotes student as co-author; \*\* denotes post-doc).

- [1] Prateek, R.C.\*, Knopf, R., **R. M. Aggarwal** (in press). "Impact of out-migration of men on women's participation in community-based forestry: insights from Van Panchayats of Uttarakhand, India." *International Forestry Review*.
- [2] Hasan, M.K., M. Ashraf, P. Narasimhan, and **R. M. Aggarwal**. 2018. "Expanding freedoms of people with visual impairment through ICT: Narratives from Bangladesh" *Journal of Disability Management* 13:1. DOI: 10.1017/idm.2018.7.
- [3] White, D. D., J. L. Jones , R. Maciejewski, **R. Aggarwal**, and G. Mascaro. 2017. Stakeholder Analysis for the Food-Energy-Water Nexus in Phoenix, Arizona: Implications for Nexus Governance. *Sustainability* 2017, 9, 2204: 1-21.
- [4] \*Barnett, A., \*\*J. Baggio, \*H. C. Shin, \*D. J. Yu, \*\*I. Perez-Ibarra, \*C. A. Rubinos, \*U. Brady, \*E. Ratajczyk, \*N. Rollins, **R. M. Aggarwal**, J. M. Anderies, M A. Janssen. 2016. "An iterative approach to case study analysis: Insights from qualitative analysis of quantitative inconsistencies. *International Journal of the Commons* 10(2): 467-494.
- [5] \*\*Baggio, J.A; \*A. Barnett, \*\*I. Perez-Ibarra, \*U. Brady; \*E. Ratajczyk; \*N. Rollins; \*C. Rubiños; \*H. S Shin; \*D. J Yu; **R. M. Aggarwal**, J. M. Anderies, M. A. Janssen. 2016. Explaining success and failure in the commons: the configural nature of Ostrom's institutional design principles. *International Journal of the Commons* 10(2): 417-439.
- [6] Eakin, H., A. M. York, **R. M. Aggarwal**, S. Waters, J. Welch\*, C. Rubinos\*, S. Smith-Heisters\*, J. C. Bausch\* and J. M. Anderies. 2016. "Cognitive and institutional influences on farmers' adaptive capacity: Insights into barriers and opportunities for transformative change in Central Arizona." *Regional Environmental Change* 16(3):801-814.
- [7] \*Ratajczyk, E. , \*U. Brady, \*\*J. Baggio, A. \*Barnett, \*\*I. Perez-Ibarra, \*N. Rollins \*C. A. Rubinos, \*H. C. Shin, \*D. J. Yu, , **R. M. Aggarwal**, J. M. Anderies, M A. Janssen. 2016.Challenges and Opportunities in Coding the Commons: Problems, Procedures, and Potential Solutions in Large-N Comparative Case Studies. *International Journal of the Commons* 10(2): 440-466.
- [8] Yu, D.W.\*, M. R. Qubbaj\*\*, R. Muneeppeerakul, J. M. Anderies, and **R. M. Aggarwal**. 2015. Effect of infrastructure design on commons dilemmas in social-ecological system dynamics. *Proceedings of the National Academies of Sciences*, 112 (43), 13: 207-13212.
- [9] Bausch, J. C.\*, H. Eakin, S. Smith-Heisters\*, A. M. York, D. D. White, C. Rubinos\* and **R. M. Aggarwal**. 2015. "Development pathways at the agriculture-urban interface: The case of Central Arizona." *Agriculture and Human Values* DOI: 10.1007/s10460-015-9589-8 ..
- [10] Zheng, B.\*\* , S. W. Myint, P. S. Thenkabail, **R. M. Aggarwal**. 2015. "A support vector machine to identify irrigated crop types using time-series Landsat NDVI data." *International Journal of Applied Earth Observation and Geoinformation* (34):103-112.
- [11] Fan, C.\*, B. Zheng\*\*, S. W. Myint and **R. M. Aggarwal**. 2014. Characterizing changes in cropping patterns using sequential Landsat imagery: An adaptive threshold approach and application to Phoenix, Arizona. *International Journal of Remote Sensing*35(20):7263-7278.

- [12] Tang, X.\*, P. Ohri-Vachaspati, J. K. Abbott, **R. M. Aggarwal**, D. L. Tulloch, K. Lloyd and M. J. Yedidi. 2014. Associations between food environment around schools and professionally measured weight status for middle and high school students. *Childhood Obesity* 10(6):511-517.
- [13] Nzengya, D.\* and **R. M. Aggarwal**. 2013. "Water accessibility and women's participation along the rural-urban gradient: A study in Lake Victoria Region, Kenya." *Journal of Geography and Regional Planning* 6(7): 263-273.
- [14] **Aggarwal, R. M.** 2013. "Strategic bundling of development policies with adaptation: An examination of Delhi climate change action plan." *International Journal of Urban and Regional Research* 37(6): 1902-1915.
- [15] Hummel, D., S. Adamo, A. de Sherbinin, L. Murphy, **R. M. Aggarwal**, L. Zulu, J. Liu and K. Knight. 2013. "The impact of theory on science, policy, and practice: Inter- and transdisciplinary approaches to population-environment research." *Population and Environment* 34 (4): 481-509
- [16] Metson, G.\*, **R. M. Aggarwal**, and D. L. Childers. 2012. "Efficiency through proximity: Changes in Phosphorus cycling at the urban-agricultural interface of a rapidly urbanizing desert region." *Journal of Industrial Ecology, Special Issue: Sustainable Urban Systems* 16 (6): 914-927, December 2012.
- [17] Muneeppeerakul, R., M. R. Qubbaj, **R. M. Aggarwal**, J. M. Anderies and M. A. Janssen. 2012. Critical transition between cohesive and population-dividing responses to change. *Journal of the Royal Society Interface* 9:3303-3311. DOI: 10.1098/rsif.2012.0431.
- [18] **Aggarwal, R. M.**, S. Guhathakurta, S. Grossman-Clarke, and V. Lathey\*. 2012. "How do variations in Urban Heat Islands in space and time influence household water use? The case of Phoenix, Arizona." *Water Resources Research* 48: 1-13.
- [19] Haglund, L. and **R. M. Aggarwal**. 2011. "Test of our progress: The translation of economic and social rights norms into practice." *Journal of Human Rights* 10(4): 494-520.
- [20] Taylor, C. \* and **R. M. Aggarwal** . 2010. "Motivations and barriers to stakeholder participation in local food value chains in Phoenix, Arizona." *Urban Agriculture* 24: 46-48.
- [21] Lathey, V.\*, S. Guhathakurta, and **R. M. Aggarwal**. 2009. "The impact of sub-regional variations in urban sprawl on the prevalence of obesity and related morbidity." *Journal of Planning Education and Research* 29: 127-141.
- [22] de Sherbinin, A., L. K. VanWey, K. McSweeney, **R. M. Aggarwal**, A. Barbieri, S. Henry, L. M. Hunter, W. Twine and R. Walker. 2008. "Rural household demographics, livelihoods and the environment." *Global Environmental Change* 18 (1): 38-53.
- [23] **Aggarwal, R. M.** 2007. "Role of risk sharing and transaction costs in contract choice: Theory and evidence from groundwater contracts." *Journal of Economic Behavior and Organization* 63 (3): 475-496.
- [24] **Aggarwal, R. M.** 2006. "Globalization, local ecosystems, and the rural poor." *World Development* 34(8): 1405-1418.

- [25] **Aggarwal, R. M.** and J.J. Rous. 2006. "Awareness and Quality of Knowledge regarding HIV/AIDS among Women in India." *Journal of Development Studies* 42(3): 375-401.
- [26] **Aggarwal, R. M.** and E. Lichtenberg. 2005. "Pigouvian taxation under double moral hazard." *Journal of Environmental Economics and Management* 49(2): 301-310.
- [27] **Aggarwal, R. M.** and \*T. Narayan. 2004. "Does inequality lead to greater efficiency in the use of local commons? The role of strategic investments in capacity." *Journal of Environmental Economics and Management*, 47(1): 163-182.
- [28] **Aggarwal, R. M.**, S. Netanyahu\* and C. Romano\* 2001. "Access to natural resources and the fertility decision of women: The case of South Africa," *Environment and Development Economics* 6: 209-236
- [29] **Aggarwal, R. M.** 2000. "Possibilities and limitations to cooperation in small groups: The case of group-owned wells in Southern India." *World Development* 28(8): 1481-1497.

### **BOOKS/EDITED VOLUMES (PEER-REVIEWED)**

- [1] Pace, P., **R. M. Aggarwal**, W. Limbrechts and V. Blok (ed.) (in press). Special volume on "SDG 8: Decent Work and Economic Growth," in *Encyclopedia of the UN Sustainable Development Goals. Good Health and Well-Being*. Editor in Chief: Walter Leal Filho. Springer.
- [2] Azeiteiro, U., **R. M. Aggarwal**, M. J. Pereira, M. Fragkou (ed.) (in press). Special volume on "SDG 6: Clean Water and Sanitation," in *Encyclopedia of the UN Sustainable Development Goals. Good Health and Well-Being*. Editor in Chief: Walter Leal Filho. Springer.

### **BOOK CHAPTERS (PEER-REVIEWED)**

- [1] **Aggarwal, R. M.**, C. Taylor\*, A. Berardy\*\*. 2017. "Sustainable Agricultural Systems for Cities." In B. Hagen and D. Pijawka (eds.) *Sustainability for the 21st Century: Pathways, Programs, and Policies*. Kendall Hunt Publishing Company. ISBN: 9781524969349.
- [2] Spielmann, K.A. and **R.M. Aggarwal**. 2017. "Household vs. national-scale food storage: perspectives on food security from archaeology and contemporary India" In M. Hegmon (ed.) *The Give and Take of Sustainability: Anthropological Perspectives on Tradeoffs*. Cambridge University Press.
- [3] **Aggarwal, R.M.** 2016. "International Development and Sustainability," in H. Heinrichs, G. Michelsen, P. Martens and A. Weik (eds.). *Sustainability Science Handbook*. Springer Science.
- [4] **Aggarwal, R.M.** and L. Haglund. 2015. "Deepening our understanding of rights realization through disaggregation and mapping: Integrating census data and participatory GIS" in L. Haglund and R. Stryker (eds.). *Economic, Social, and Cultural Rights: Emerging Possibilities for Social Transformation*. University of California Press.
- [5] **Aggarwal, R. M.** (2011). "India's two track economy: An exploration into the dualism of India's complex economic structure." In R. Jha (ed.) *Handbook of South Asian Economics*. Routledge, Taylor & Francis Group.

- [6] Heinrichs, D., **R. M. Aggarwal**, J. Barton, E. Bharucha, C. Butsch, M. Fragkias, P. Johnston, F. Kraas, K. Krellenberg J. Vogel , A. Lampis and O.G. Ling (2011). "Adapting cities to climate change: Opportunities and constraints" in D. Hoorweg, M. Freira, M. Lee, P. Bhada, and B. Yuen (eds). *Cities and climate change: An urgent agenda*. Washington D.C.: World Bank.
- [7] **Aggarwal, R. M.** (2009). "Climbing the pesticide treadmill into the debt trap: The dynamics of pesticide use and farmer indebtedness in Andhra Pradesh, India." In U. Pascual, A. Shah, and J. Bandyopadhyay (eds.) *Water, agriculture, and sustainable well-being*. Oxford University Press.
- [8] **Aggarwal, R. M.** (2008). "Resource poor farmers in South India: On the margins or frontiers of globalization?" In M. Nissanke and E. Thorbecke (eds.) *Globalization and the poor in Asia: Can shared growth be sustained?* Palgrave Macmillan.
- [9] Thorbecke, E. and **R. Mehra** (1994). "Evolution of the pattern of exchange in developing countries," in E. Thorbecke (ed.) *Markets and transactions in developing countries*. Washington D.C.: Institute for Policy Reform.

#### **REPORTS AND PUBLISHED DISCUSSION PAPERS**

- [1] **Aggarwal, R.** and Bachra, S. (2018). "Big data: Understanding Risks and Resilience in Cities." Research report submitted to *Cities IPCC Scientific Steering Committee*.
- [2] Agusdinata, D. B., **R. Aggarwal**, X. Ding, and O. Chong, "Cross-country comparisons of sustainable development pathway: Application of data mining methods, *Sustainability and Development Conference*, Ann Arbor, MI, 2018.
- [3] Romero-Lankao, P., Griffith, C., **Aggarwal, R.**, Bruns, A., Davidson, D., McPhearson, T., Moench, M., Iwaniec, D., Padgham, J., Deng, X., Zhang, Q., Sperling, J. Urbanization, Food-Energy-Water Nexus Security and Extreme Hazard Risks. Concept Note submitted to *Future Earth and Urbanization and Global Environmental Change*.
- [4] Aggarwal, R.M. (2015). "Legal Innovations and Judges as Change Agents in the Complex Landscape of Urban Environmental Governance in India." *Urbanization and Global Environmental Change Viewpoints*. December 22, 2015.
- [5] Barnett, A.\*, J. Baggio\*\*, H. C. Shin\*, D, J. Yu\*, I. Perez-Ibarra\*\*, C. A. Rubinos\*, U. Brady\*, E. Ratajczyk\*, N. Rollins\*, **R. M. Aggarwal**, J. M. Anderies, M A. Janssen. 2015. Contextualizing the Commons in a World of Interdependency: Qualitative Analysis of Quantitative Inconsistencies. Center for Behavior, Institutions and the Environment (CBIE) Working Paper Series #CBIE-2015-005.
- [6] Nzengya, D. and **R. M. Aggarwal** (2014). "Rapid Urbanization, Global Environmental Change and the Challenge of Water Provision to the Poor: Lessons From Utility-Community Partnership Models in Kenya." *Urbanization and Global Environmental Change Viewpoints* 10: 9-12.
- [7] Eakin, H., A. York M., S. Smith-Heisters, and R. M. **Aggarwal** (2014). Understanding agricultural vulnerability in the Southwest. *Decision Center for a Desert City Policy Brief*. Arizona State University, Tempe, AZ.
- [8] **Aggarwal, R.M.**, E. Dee, A. Mahanti, A. Nemer-Soto, J. Stoltzfus, C. Sturm, K. Cao, T. Fleetham, M. Kielawa, Z. Morris, J. Spencer, S. Wadolny (2013). "Transitioning from Trash to Treasure

in a Rapidly Growing Metropolis: Delhi, India." Final report of Workshop course SOS 594/494: Sustainable Development in Action. School of Sustainability. Arizona State University.

- [9] Eakin, H., **R.M. Aggarwal**, M. Baranski, R. F. Alvarez, M. Kimball, T. Redd, J. Connors, M. Hurley, C. Kunzweiler, B. Warner (2011). "Adaptation, Resilience and Transformation." Final Report of Workshop SOS 594. School of Sustainability, Arizona State University.
- [10] **Aggarwal, R.M.** (2009). "Envisioning the future of agriculture in Arizona and its water management implications." *Agri-Business Council of Arizona Newsletter*. Fourth Quarter
- [11] **Aggarwal, R. M.** J. Bausch\*, M. Bhan\*, E. Cardenas\*, J. Fox\*, A. Krithis\*, L. Farr\*, C. Taylor\*, G. Metson\*, Y. Ouyang\*, H. Paul\*, A. Woodbury\* (2009). "Future scenarios for agriculture and water in Central Arizona." Final Report of Workshop SOS 594. School of Sustainability, Arizona State University.
- [12] **Aggarwal, R.M.** (2009). "Reexamining the capacity of cities as agents of Global Environmental Change: The case of Delhi." *Urbanization and Global Environmental Change Viewpoints*. September.
- [13] **Aggarwal, R.M.** (2009). "Urban adaptation responses to climate change: The case of Delhi metropolitan region." Report submitted to German Federal Ministry for Economic Cooperation and Development (BMZ). June 2009.
- [14] **Aggarwal, R. M.** (2006). "Resource Poor Farmers in South India: On the Margins or Frontiers of Globalization?" *World Institute of Development Economics Research (UNU-WIDER) Research Paper Series*, RP 2006/97, September 2006. Available at: <http://www.wider.unu.edu/publications/publications.htm>.
- [15] **Aggarwal, R. M** and T. A. Narayan\* and D. Umali-Deninger (2001). "Impact of Power Sector Reforms on Agriculture in India," Report submitted to the South Asia Energy Group, World Bank.

#### MANUSCRIPTS IN REVIEW

- [1] Myint, S., J. M. H. Hendrickx, **R. Aggarwal**, B. Zheng\*\*, E. Wentz, J. Holway, C. Fan, N. J. Selover, C. Wang, P. S. Thenkabail, H. Fischer. "Adaptive Crop Management Under Climate Uncertainty: Changing the Game for Sustainable Water Use." Revise and resubmit *Agricultural Water Management*.
- [2] Janssen, M., S. Smith-Heistres, **R. Aggarwal**, M. Schoon. "Tragedy of the Commons as Conventional Wisdom in Sustainability Education." Revise and resubmit *Environmental Education Research*.
- [3] **Aggarwal, R.** A. Opejin\*, D. White, J. Leah Jones\*, R. Maciejewski, G. Mascaro, H. Sarjoughian. "A Bibliometric Analysis of Food-Energy-Water Nexus Literature." *Environmental Management*.
- [4] York, A. M. ; H. Eakin; S. Smith-Heister; J. C. Bausch; **R. Aggarwal**; J. M. Anderies. "Examining Public Adaptive Capacity Through Institutional Analysis The Case of Agricultural Water Governance in Central Arizona." *Policy Sciences*.

- [5] Peterson, H.M., **R. Aggarwal**, L. Baker, T. Boyer R. Aggarwal, L. Baker, T. Boyer, N.I. Chan. 2018. "Transition Management towards a Sustainable Phosphorus System." *Journal of Industrial Ecology*.

### **MANUSCRIPTS IN PREPARATION**

- [1] **Aggarwal, R. M.** and L. Haglund. "Comparative Analysis of Urban Water Management in São Paulo and Delhi: Application of Social-Ecological Systems Approach." (expected submission: May, 2019).
- [2] **Aggarwal, R.M.** and J.M. Anderies. "Fostering sustainability: Towards system design for the emergence of governance of shared resources." (First draft ready).
- [3] Agusdinata, D. B., **R. M. Aggarwal**, X. Ding, and O. Chong, "Cross-country comparisons of sustainable development pathway: Application of data mining methods." (First draft ready).
- [4] Biswas, S. and **R. M. Aggarwal**. "Developing a reflexive, evaluative learning algorithm for a community based sustainable transformation initiative. (First draft ready).

### **FUNDED RESEARCH**

(NSF: National Science Foundation; NOAA: National Oceanic and Atmospheric Administration)

Bill & Melinda Gates Foundation: Activating Global Citizenship for Sustainable Development Goals. "The SDG Experience: Student Immersion in SDG Solutions Through Interactive Virtual Field Trips." Role: PI; Amount: \$100,000. Project period: November 1, 2018 - April 30, 2020.

Walton Sustainability Solutions Initiative (WSSI) Faculty Incentive Grants. Title: "Urban Edible gardens of the Future: Assessing the Potential of Greenhouses in Community Gardens and Schools in Arid Environments." Role: PI; Amount: \$20,000; Project period: June 7, 2018 - September 30, 2018.

PLuS Alliance Seed Grant. "The United Nations Sustainable Development Goals: A knowledge-to-action framework for implementation and evaluation." Role: PI. Amount: \$20,000. January 2017-December 2017.

PLuS Alliance Seed Grant. "Humanities for the anthropocene: developing new approaches to knowledge, engagement and impact." Role: Co-PI and ASU lead fellow; Amount: \$20,000. January 2017-December 2017.

NSF INFEWS/T2: "Flexible Model Compositions and Visual Representations for Planning and Policy Decisions at the Sub-regional level of the food-energy-water nexus." Role :Co-PI with Ross Maciejewski (PI) and 4 others. Total award: \$ 2,998,777. September 2016-August 2021.

NSF Long Term Ecological Research: CAP IV - Investigating urban ecology and sustainability through the lens of Urban Ecological Infrastructure. Role: Collaborator (PI: Dan Childers). Total award: \$4,507,998.

***FUNDED RESEARCH (contd.)***

Fulbright-Nehru Academic and Professional Excellence Award (Research and Teaching) for India. July –October 2015.

Institute for Social Science Research (ASU), *Workshop seed grant* (PIs: Rimjhim Aggarwal and LaDawn Haglund), “Navigating the boundaries between law and urban sustainability research and practice: The case of water governance in megacities.” \$4,000, *April 2016*.

NSF Law and Social Science, Supplemental Funding for Cultural Anthropology Research Experience for Graduates. Role: Co-PI with L. Haglund (PI). Total award: \$ 5,000. Jan 2014-Aug 2015.

NSF Law and Social Science, Research Experience for Undergraduates (REU). Role: Co-PI with L. Haglund (PI). Total award: \$13,000. August 2014-December 2015.

NSF Law and Social Science: Comparative perspectives on water governance in Global South. Role: Co-PI with L. Haglund (PI). Total award amount: \$ 300,000. Sep. 2013-Aug. 2015.

NSF Research Coordination Network. "Coordinating Phosphorus Research to Create a Sustainable Food System." Role: Co-PI with J. Elser (PI) and others. Total award amount: \$ 750,000. September 2012-August 2017.

NOAA Climate and Societal Interactions Program. "Evaluation of Drought Risks and its Impact on Agricultural Land and Water Use to Support Adaptive Decision-Making." Role: Co-PI with S. Myint (PI) and others. Total award amount: \$300,000. May 2012 – April 2014.

Intel, Sustainability in Action Program. “Simple Water Purification: Water for All.” Role: Faculty Advisor for Association for India’s Development, Tempe Chapter. Total award amount: \$6,320. May 2012 –April 2013.

NSF “International Project Office for Urbanization and Global Environmental Change, A Core Program of the International Human Dimensions Program.” Role: Project Associate. Total award amount: \$750,000. September 2012-February 2016.

NSF Coupled Natural and Human Systems Program. "When Strengths Can Become Weaknesses: Emerging Vulnerabilities In Coupled Natural Human Systems Under Globalization And Climate Change." Role: Co-PI with J. M. Anderies (PI), M. Janssen, R. Muneerapakul. Total award amount: \$1,499,584. September 2011 –June 2015.

Decision Center for a Desert City, ASU, Faculty Research Grant Program. "Farmers’ Efforts in Water Conservation and the Institutional Constraints on Adaptation." Role: Co-PI with H. Eakin (PI), A. York. Total award amount: \$47,761. June 2011–May 2012.

NSF “Central Arizona-Phoenix Long-term Ecological Research (CAP LTER), Phase 3: Urban Sustainability in the Dynamic Environment of Central Arizona, USA." Role: Co-PI with N. Grimm (PI) and several others. Total award amount: \$4,099,962. December 2010-November 2016.

ASU Grand Challenges Seed Funding Program. “Integrated engineering and policy solutions for sustainable end-of-life electronics.” Role: Co-PI with E. Williams (PI), R. Kahhat, B. Allenby, K. Dooley. Total award amount: \$ 99,666. January 2011-December 2011.

NSF Integrated “Science Master’s Program: Solar Energy Engineering and Commercialization.” Role: Co-PI with P. Phelan (PI) and several others. Total award amount: \$700,000. July 2010-June 2011.



**FUNDED RESEARCH** (contd.)

NSF “International Project Office for Urbanization and Global Environmental Change, A Core Program of the International Human Dimensions Program.” Role: Project Associate. Total award amount: \$816,520. September 2009-August 2012.

Decision Center for Desert City Faculty Research Grant Program. “Do Variation in Heat Islands in Space and Time Influence Household Water Use? A Longitudinal Study of Single Family Residences in Phoenix.” Role Co-PI with S. Guhathakurta (PI), S. Grossman-Clarke. \$ Total award amount: 28,876. May 2007- May 2008.

German Federal Ministry for Economic Cooperation and Development (BMZ) Travel Grant. “Adapting cities to climate change: Opportunities and constraints – The Case of Delhi.” Role: PI. Travel support. May 2009-July 2009.

Central Arizona-Phoenix Long-Term Ecological Research (CAP LTER) Summer Faculty Research Grant. “Exploratory Study on Significance and Potential of Urban and Peri-Urban Agriculture in CAP LTER.” Role: PI. Total award amount: \$6,000. May 2009-August 2009.

ASU Institute for Social Science Research Catalyst Grant Program. “Spatial Analysis of Water Allocation and Reform Processes in India, Brazil and South Africa.” Role: PI with L. Haglund. Total award amount: \$20,000. May 2008-April 2009.

Arizona Water Institute Grant: “Arizona’s Agricultural Economy – Future Scenarios and Water Implications.” Role: Co-PI (PI at ASU) and Co-Director, with G. Frisvold (PI) at University of Arizona, and others. Total award amount: \$38,657. April 2008-June 2009.

ASU Center for Asian Research, Research Cluster Grant: “Impact of Information Technology (IT) Growth on City Fabric in India.” Role Co-PI with H. Dandekar (PI), S. Guhathakurta, A. Bardhan. Total award amount: \$2,000. August 2007- August 2008.

United Nations University’s World Institute for Development Economics Research. Research Program on “Globalization and the World’s Poor.” Role: Consultant. June 2005 – August 2006.

USDA National Research Initiative Competitive Grants Program. “Vertical Coordination and Environmental Regulation in Agriculture.” Role: PI. Total award amount: \$92,000. July 1999-June 2002.

World Bank, South Asia Energy Sector: “Electric Power Sector Reforms in India.” Role: Senior Consultant. March 1999-June 2001.

**GRANT PROPOSALS UNDER REVIEW**

NASA Land Use and Land Cover Change Program. Title: The Impact of Policy Interventions on Shared Resource Use in Small-scale Dryland Agriculture Practices.” Role: Co-PI (PI: Soe Myint). Amount requested: \$757,623

USAID. Title: Feed the Future Innovation Lab for Food Security Policy Research, Capacity, And Influence. Role: Collaborator (PI: Kathleen Merrigan). Amount requested: \$10,999,993.00

School for the Future of Innovation in Society Faculty Seed Grant program. Title: “Innovation in the Global Informal Economy.” Role: Co-PI (PI: Gary Grossman).

## GRANTS DENIED POST-TENURE

NSF Smart & Connected Communities. Title: “Smart and Sustainable Fuel, Clean Water and Food Waste Systems for Community.” Role: Co-PI (PI: O. Chong). Amount requested: \$1,568,310.

Women and Philanthropy. Title: “Creating food gardens in cities through university-community partnerships.” Role: PI. Amount requested: \$100,000.

Foundation for Food and Agriculture Research. Title: “Modeling Maricopa County’s Food System: Leveraging Interventions to Improve Health, Community Development, and Environmental Sustainability.” Role: Co-PI (PI: Christopher Wharton). Amount requested: \$219,639.00

USDA: Natural Resources Conservation Service (NRCS). Minority Outreach Network Soil Health Partnerships. Role Co-PI ( PI: Darren Chapman, Togermountain Foundation). Amount requested: \$82,235.00.

NSF Coupled Natural and Human (CNH) Systems. Title: “Critical transitions for water and food security in rainfed regions: The case of Rajasthan, India.” Role: Co-PI (PI: Marco Janssen). Amount requested: \$1,797,759.00.

NSF Innovations in Food Energy Water Systems (INFEWS)Nexus. Title: “ Food-Energy-Water Security Risks under Changing Urban and Climate Conditions (FEWCAN). Role; Co-PI and ASU lead (PI: B. Guneralp, Texas A & M University).

MacArthur Foundation 100&Change Challenge. Title: “Changing the Trajectory of Rice-based Cultures towards Sustainability.” Role: PI. Requested amount: \$100 million. **This proposal was recognized as MacArthur top 200, which represents the top 25% of the global submissions received, April 2017.**

USAID Sustainable Water Partnership. Role: Co-PI and lead for Gender and Water theme. Requested amount: \$12,995,167.

WSARE (Western Sustainable Agriculture Research and Education). Innovations in Water Scarcity. Role: Expert/Co-PI (with Tiger Mountain Foundation and Freshwater Systems Inc. as PI). Requested amount: \$20,000.

NSF “Urbanization and Global Environment Change Project: Global Network for Urbanization and the Environment (GNUE).” Role: Co-Investigator. Requested amount: \$ 961,352.

Lincoln Center for Applied Ethics, Faculty Fellows Program 2016–2017. “Human Rights and Just Water Governance: Contributions to the New Urban Agenda for the United Nations Conference on Housing and Sustainable Urban Development (Habitat III). Role: Co-PI. Requested Funding: \$8263.36.

The New Arizona Prize: Water Innovation Challenge. “Innovations for Water Scarcity.” Role: Expert/Co-PI. Requested amount: \$250,000. Selected as finalist but denied in final stage.

**INVITED CONFERENCE AND WORKSHOP PRESENTATIONS**

Purdue University, *Ending Global Hunger Colloquium*, 2019. Invited Speaker, Presentation title: "Potential Role of Irrigation Solutions in Ending Global Hunger." April 11, 2019.

NOAA project stakeholder workshop, *Evaluation of Drought Risks and its Impact on Agricultural Land and Water Use to Support Adaptive Decision-making..* Invited Speaker, Presentation Title: "Economic analysis of drought impacts and valuation of cost-benefits of adaptive options." Phoenix March 28, 2016.

*Balance-Unbalance 2015: Water, Climate, Place – Reimagining Environments* (with Megha Budruk, Scott Bugental, Iris Drower, and Barbara Klimek), March 25-29, 2015. Tempe, AZ.

Global System Science Conference, *Unpacking Green Growth*. Invited Speaker, Presentation title: "Regional development from the bottom-up: How Can It Become a New Lever to Accelerate Development in Poor Regions?" Arizona and Lu'An, China., October 8, 2014.

Southwestern and Rocky Mountain Division of the *American Association for the Advancement of Science Meeting*. Invited presentation titled: "Exploring the challenges of food-water-energy nexus." Presented at, November 4, 2013. Tempe, AZ.

Workshop Co-Organizer, *Water in Asia Symposium*, Center for Asian Studies, Arizona State University, March 27, 2013.

Panel Co-Organizer and Moderator, *DCDC Water/Climate Briefings – "The Dynamics of Energy and Water for Central Arizona Agriculture."* Arizona State University, February 27, 2013.  
<http://dcdc.asu.edu/outreach/waterclimate-briefings/>

Workshop co-organizer (with Dr. Marek Wosinsky), *International leadership training workshop: "Empowerment for Peace through Leadership in Agribusiness and Sustainability."* Jalgaon, India. October 20-26, 2012.

Invited Panelist, *Case Critical Series: Are Droughts Withering Our Resources?* Arizona State University, September 2012.

Invited workshop participant, *Rights and Their Translation into Practice: Toward a Synthetic Approach*, University of Arizona, Tucson. April 2011.

Invited workshop participant, *Towards a research agenda to address the global e-waste challenge. Second International Congress on Sustainability Science and Engineering 2011*, funded by EPA. Tucson, January 2011.

Workshop co-organizer (with Dr. Lee Hartwell). "Exploring the Potential Applications of Deep Sequencing Techniques to Address Sustainability and Global Health Challenges." Arizona State University, January 2011.

Invited workshop participant, "Managing Biodiversity under Climate Change: Enhancing Capacities in Mexico for Conservation Planning, Decision-making and Sustainability Assessment. Workshop 1: Sustainability Challenges and Competencies." Arizona State University, November 2010.

***INVITED CONFERENCE AND WORKSHOP PRESENTATIONS (contd.)***

Invited opening speaker, Advanced Water Education Workshop: Water and Agriculture. *"Agriculture, suburban development, and sustainability."* Organized by the Decision Center for a Desert City and Arizona Project WET and Water Sustainability Program – Water Resources Research Center. Arizona State University, June 2010.

Invited workshop participant, CISCO funded Planetary Skin Initiative workshop at Decision Center for Desert City, ASU. April 2010.

Panel moderator, DCDC Water and Climate Briefing, "Future Scenarios for Agriculture and Water in Central Arizona." Decision Center for Desert City, Arizona State University, February 2010.

Invited panelist, Chandler Science Café, "Future Scenarios for Agriculture and Water in Central Arizona." Chandler, Arizona, February 2010.

Invited workshop participant, Center for Institutional Diversity Workshop, "Robustness in Irrigation Social-Ecological Systems." Arizona State University, February 2010.

Invited speaker (with LaDawn Haglund), ASU Human Rights Cluster Meeting "Right to Water in Rapidly Urbanizing Slum Areas." Arizona State University, January 2010.

Invited speaker, Spirit of the Senses Salon, "Globalization and World Poverty," Phoenix, December 2009.

Invited speaker, Central Arizona-Phoenix Long-term Ecological Research (CAP LTER) Seminar Series, "Urban Agriculture in the Desert Landscape," November 2009.

Invited expert, Population Environment Research Network (PERN) Cyberseminar on "Theoretical and Methodological Issues of the Analysis of Population Dynamics and the Environment," February 2009.

Invited speaker, Second Annual Frontiers in Life Sciences Conference Series, "Dynamic Deserts: Resource Uncertainty in Arid Environments," Arizona State University, February 2009.

Invited panelist, "Building Resilience in Water Management: Innovations and Opportunities in Drylands of India," Resilience, Adaptation and Transformation in Turbulent Times International Science and Policy Conference, Stockholm, April 2008.

Invited expert, Population-Environment Research Network Cyberseminar, April 2006.

Invited expert, United Nations University –World Institute of Development Economics Research Project Meeting on the Impact of Globalization on the World's Poor, Helsinki, 29-30 October, 2004.

Invited speaker, University of California, Berkeley Seminar Series, November 2000.

Invited expert, South Asia Energy Group, World Bank, Washington D.C., December 1999.

Invited speaker, Workshop on Food, Agriculture and Natural Resource Policy Analysis, sponsored by International Food Policy Research Institute and the University of Maryland, October, 1997.

***INVITED CONFERENCE AND WORKSHOP PRESENTATIONS (contd.)***

Invited lecture at China's Poverty Reduction Delegation Study Tour, University of Maryland, November 1995.

Invited speaker, University of California, Berkeley, February 1995.

Invited speaker, University of California, Riverside, February 1995.

Invited speaker, Fletcher School of Law and Diplomacy, Tufts University, January 1995.

Invited speaker, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India, Seminar Series, March, 1994.

***PAPERS PRESENTED AT PROFESSIONAL MEETINGS***

*IPCC Cities and Climate Change Science Conference*. Session organizer and paper presenter. "Big Data: Understanding Risks and Resilience in Cities," Edmonton, March 5, 2018.

NSF INFEWS Meeting, "Flexible Model Compositions and Visual Representations for Planning and Policy Decisions at the Sub-regional Level of the Food-Energy-Water Nexus." (Ross Maciejewski -presenter, Giuseppe Mascaro, Dave White, Rimjhim Aggarwal, Hessam S. Sarjoughian). Washington D.C. May 15, 2018.

International Society for Ecological Economics (ISEE) Conference on Food, Water, Energy and Justice. "Alternative visions for leveraging the food-water nexus for a sustainability transition: The Case of India." Washington D. C. June 27, 2016.

Balance-Unbalance 2015: Water, Climate, Place – Reimagining Environments (with Megha Budruk, Scott Bugental, Iris Drower, and Barbara Klimek), March 25-29, 2015. Tempe, AZ.

Workshop on the Ostrom Workshop, "WOW5" (presenter: Smith-Heisters, S.). June 18-21, 2014. Indiana University.

American Geophysical Union Fall Meeting. title: "Leveraging the water-energy-food nexus for a sustainability transition: Institutional and policy design choices in a fragmented world." December 9-13, 2013. San Francisco, CA.

International Association for the Study of the Commons, Japan, June 2013.

Law and Society Association, Boston, May 2013 (co-presenter with L. Haglund)

Adaptation Futures conference, Tucson, May 2012 (Session organizer, one paper presentation, one poster presentation).

Planet Under Pressure: New knowledge towards solutions (presenter D. Heinrichs). London, March 2012.

World Water Week. Stockholm. August 2011.

Resilience Alliance Meeting 2011. Arizona State University, March 2011.

International Conference on Urbanization and Global Environmental Change. Arizona State University, October 2010. (Session organizer and paper presenter).

International Association for the Study of the Commons North American Regional Meeting. Arizona State University, September 2010.

***PAPERS PRESENTED AT PROFESSIONAL MEETINGS (contd.)***

Urban Research Symposium, "Cities and Climate Change: Responding to an Urgent Agenda."  
Marseilles, June 2009.

International Human Dimensions Program Open Meeting, Bonn, April 2009 (two paper presentations).

14th Annual International Sustainable Development Research Conference, New Delhi, September 2008 (two paper presentations).

Resilience, Adaptation and Transformation in Turbulent Times International Science and Policy Conference in Stockholm, Sweden, April 2008.

Allied Social Science Association Meetings, January 2007.

Biennial Conference, International Society for Ecological Economics, New Delhi, December 2006.

Third World Congress of Environmental and Resource Economists, Tokyo, July 2006.

75 years of Development Economics Research, Cornell University, May 2004.

Allied Social Science Association Meetings, January 2004.

Northeastern Universities Development Consortium, Yale University, October 2003.

World Congress of Environmental and Resource Economists, Monterrey, June 2002.

American Social Science Association Meetings, January 2002.

American Agricultural Economics Association Annual Meeting, Tampa, August 2000.

American Agricultural Economics Association Annual Meeting, Nashville, August 1999.

Conference on "Water: World Lessons," Hawaii, June 29 - July 3, 1999.

IX World Water Congress, Montreal, September 1997.

American Social Science Association Meetings, New Orleans, January 1997.

American Agricultural Economics Association Annual Meeting, San Antonio, August 1996.

## TEACHING AND COURSE DEVELOPMENT ACTIVITIES (ASU)

Spring 2019

- SOS 594/SOS 498: *Creating Virtual Field Trips for Global Development*. Enrollment: 9. New course developed as part of Bill & Melinda Gates Foundation grant.

Fall 2018

- SOS 530: *International Development and Sustainability*. Enrollment: 12.
- SOS 591: *Rethinking Community Engagement ( New course developed as part of Community Engagement Initiative at GIOS)*

Spring 2018

- SOS 594/SOS 498: *Sustainable Development in Action Workshop Course*. Enrollment: 15 (co-taught with B. Agusdinata).

Fall 2017

- SOS 530: *International Development and Sustainability*. Enrollment: 15.
- SOS 325: *Economics of Sustainability*. Enrollment: 33.

Spring 2017

- SOS 530: *International Development and Sustainability*. Enrollment: 9.
- SOS 594/SOS 498: *Sustainable Development in Action Workshop Course*. Enrollment: 8.

Fall 2016

- SOS 325: *Economics of Sustainability*. Enrollment: 55.

AY 2015-2016: *Sabbatical*

Spring 2015

- SOS 325: *Economics of Sustainability*. Enrollment: 52.
- SOS 594/SOS 498: *Sustainable Development in Action Workshop Course*. Enrollment: 13.

Fall 2014

- SOS 530: *International Development and Sustainability*. Enrollment: 18.

Spring 2014

- SOS 325: *Economics of Sustainability*. Enrollment: 59.
- SOS 594/SOS 498: *Sustainable Development in Action Workshop Course*. Enrollment: 12.

Fall 2013

- SOS 530: *International Development and Sustainability*. Enrollment: 12.

Spring 2013

- SOS 325: *Economics of Sustainability*. Enrollment: 55.
- SOS 594/SOS 498: *Sustainable Development in Action Workshop Course*. Enrollment: 12.

Fall 2012

- SOS 530: *International Development and Sustainability*. Enrollment: 10.

Spring 2012

- SOS 325: *Economics of Sustainability*. Enrollment: 54.

Fall 2011

- SOS 530: *International Development and Sustainability*. Enrollment: 20.
- SOS 594: Workshop course: *Adaptation, Resilience and Transformation* (co-taught with: H. Eakin). Enrollment: 8.

Fall 2010

- SOS 530: *International Development and Sustainability*. Enrollment: 20.
- SOS 322: *International Development and Sustainability*. Enrollment: 68.

Spring 2010

- SOS 325: *Economics of Sustainability*. Enrollment: 120.
- SOS 494: *Global Impact Entrepreneurship* (Co-instructor with John Takamura, Mark Henderson, Nalini Chhetri, Dan O'Neill, Marcia Nation, and Bradley Rogers).

Fall 2009

- SOS 530: *International Development and Sustainability*. Enrollment: 21.
- SOS 594: Workshop course: *Future Scenarios for Agriculture and Water in Central Arizona*. Enrollment 11.

Spring 2009

- SOS 325: *Economics of Sustainability*. Enrollment: 20.

Fall 2008

- SOS 598: *International Development and Sustainability* (co-taught with Aaron Golub). Enrollment: 20.

Spring 2008

- SOS 400/BIO 494: *Sustainable Use of Environmental Resources*. Enrollment: 25

Fall 2007

- SOS 598/SOS 394: *International Development and Sustainability* (co-taught with Aaron Golub). Enrollment: 24.

Summer 2007

- ASU 101: *Learning Modules on Sustainability*. Member of *Sustainability Expert Team* involved with the development of this course.

Spring 2007

- SOS 512: *Sustainable Resource Allocation* (co-taught with Charles Perrings). Enrollment: 2.
- SOS 400: *Sustainable Use of Environmental Resources* (co-taught with Charles Perrings). Enrollment: 10.



**ADVISING****Graduate Committees**

#	Name of student	Degree, School	Role	Graduation date
1	Vasudha Lathey	PhD, School of Geographical Sciences & Urban Planning	Member	May 2008
2	Bridgette B. Hill	MS, SOS (first graduate of SOS)	Member	December 2008
3	Brittany DeKnight	MA, SOS	Chair	August 2009
4	Carissa Thomas	MA, SOS	Co-Chair	August 2009
5	Nichole Hugo	MA, School of Community Resources & Development	Member	December 2009
6	Manjyot Bhan	MA, SOS	Chair	May 2010
7	Jessica Fox	MA, SOS	Chair	May 2010
8	Haley Paul	MA, SOS	Member	May 2010
9	Aaron Redman	MA, SOS	Member	August 2010
10	Darlye Innocent	PhD, School of Community Resources & Development	Member	December 2010
11	Mihir Prakash	MA, School of Geographical Sciences & Urban Planning	Member	May 2011
12	Peter Gebelia	MS, SOS	Member	May 2011
13	Cecilia Gonzalez	MS, SoLS	Member	May 2011
14	Gustavo Angeles	PhD, SOS	Member	May 2011
15	Genevieve Metson	MS, SOS	Co-chair	August 2011
16	Michael R. Delaney	MS, SOS	Chair	August 2011
17	Nivedita Rangarajan	MS, SOS	Chair	August 2012
18	Auriane Koster	PhD, SOS	Member	May 2013
19	Xuyang Tang	PhD, SOS	Member	August 2013
20	Carissa Taylor	PhD, SOS	Chair	December 2013
21	Robert Kutter	PhD, SOS	Chair	August 2014

22	Daniel Nzengya	PhD, SOS	Chair	December 2014
23	Omayya Ahmad	PhD, SOS	Co-chair	May 2015
24	Sharon Amani	PhD, SOS	Chair	August 2016
25	Gautam Prateek	PhD, School of Community Resources & Development	Member	December 2016
26	Eric Lyle Johnson	MS, SOS	Member	May 2017
27	Ernest Nkansah-Dwamena	PhD, SoLS	Member	May 2017
28	Rebecca Gerigk	MS, Global Sustainability Science, SOS	Chair	July 2018
29	Markus Lilje	MS, Global Sustainability Science, SOS	Co-chair	July 2018
30	Roopa Singh	PhD, School of Social Transformation	Member	June 2019
31	Gyde Wollesen	MS, Global Sustainability Science	Chair	July 2019
32	Skaidra Smith-Heisters	PhD, SOS	Member	Expected Fall 2019
33	Maria Luz Malabayabas	PhD, Morrison School of Agribusiness	Member	Expected Spring 2020
34	J. Leah Jones	PhD, SOS	Member	Expected Spring 2020
35	Bingbing Zhou	PhD, SOS	Member	Expected Spring 2020
36	Esteve Giraud	PhD, SOS	Chair	Expected Fall 2020
37	Adenike Opejin	PhD, SOS	Chair	Expected Spring 2021

### Undergraduate advising

Chair, Barrett Honors Thesis: Melia Peterson, Jarod Kline

Second reader, Barrett Honors Thesis: Jessica Nielson, Catherine Miller, Einav Henenson, Nicole Hale

Research project advisor: Tabark Abdelhabaib, Jade Lantz, Jeffrey Illes

### External Advising

Fulbright Scholars: Sudheer Paddikal (India), Gulnara Botobaeva (Kyrgyzstan)

External PhD committee member: Suresh Appukuttan, Amrita University, India

## ***SERVICE***

### **School Service**

- Member, Personnel Committee. August 2017-present.
- Acting Director, Food Systems Transformation Initiative, Julie Ann Wrigley Global Institute of Sustainability. Fall 2016.
- Member, Bylaws committee: October 2018-present.
- Member, Academic Review Committee, March 2019 – present.
- Chair, Undergraduate Standards Committee, Fall 2010 – Spring 2015.
- Member, Wrigley Speaker Committee. March 2018 –present.
- Member, Graduate Committee, Fall 2011-Spring 2012.
- Member, Faculty Search Committee, School of Sustainability, Fall 2006, 2012, 2014.
- Advisor, School of Sustainability College Council, Fall 2010-present.
- Member, Quantitative Methods Curriculum Committee, Fall 2010-Spring 2011.
- Member, Real World Learning Opportunities Advisory Group, Spring 2010-2015.
- Member Steering Committee, *Food Systems Transformation Initiative*. August 2015- present.
- Member, Review Committee, Neely Charitable Foundation Food and Agriculture Sustainability Research Grant program. August 2011-present.
- Mentorship of faculty: Datu Buyung Agusdinata (Third year review-teaching), 2019.

### **University Service**

- Fellow, PLoS Alliance –help foster new collaborative projects between ASU, University of New South Wales and King’s College, London. Currently serving as ASU lead for “PLoS Alliance International Development” group. March 2017-present.
- Member, Advanced Leadership Academy, Julie Ann Wrigley Global Institute of Sustainability. August 2017- April 2018.
- Faculty mentor/application reviewer for ASU Fulbright applications. May 2017-present.
- Member, ASU Faculty Women of Color Caucus. October 2018-present
- Co-organizer and Moderator, CDCDC Water Climate Briefing on “Leaving No One Behind: Challenges of Urban Water Governance in the Global South.” October 13, 2016.
- Co-organizer (with LaDawn Haglund): NSF funded international workshop on “Law and Urban Water Governance.” Tempe, October 14-15, 2016. Ten international stakeholders, five US based researchers, and five students participated in the workshop.

### **Professional Service**

- Member, Editorial Board, Sustainability, August 2016-present
- Member, Editorial Board , Sustainability Science, May 2015 to May 2017 .
- Invited panelist, NSF International Research Experiences for Students (IRES) Proposal Review. February, 2019.
- Reviewer, The Netherlands Organisation for Scientific Research (NWO) Innovational Research Incentives Scheme, January 2018.

***Professional Service (contd.)***

- Member, Fulbright-Nehru Master's Fellowships National Selection Committee August 2015.
- Track Chair, 22nd Annual Conference of the International Sustainable Development Research Society (ISDRS), 13-15 July 2015, Lisbon.
- Project Associate, Urbanization and Global Environmental Change. May 2007 – present.
- Member, Research Advisory Committee, NSF Water, Sustainability, and Climate Initiative: Climate, Drought, and Agricultural Adaptation in Sri Lanka, Vanderbilt University. October 2012-present
- Member, Steering Committee, Population and Environment Research Network (an international network of 1800 plus scholars and practitioners working on issues of population and environment). February 2012 –present
- Member, Scientific Review Board, National Socio-Environmental Synthesis Center, University of Maryland. Funded by NSF. May 2012 –August 2013.
- Member, Management team, University Community Partnerships for Social Action Research.
- Member, Advisory Board, Carbon Roots International.

***Membership in Professional Associations***

American Economic Association, International Society for Ecological Economics, International Association for the Study of the Commons, Resilience Alliance.

***Reviewer***

Proceedings of National Academy of Sciences, American Journal of Agricultural Economics, Global Environmental Change, Sustainability, Sustainability Science, Water Resources Research, Journal of Public Economics, Journal of Development Economics, Ecological Economics, Journal of Environmental Economics and Management, Environment and Development Economics, World Development, Journal of African Economies, American Agricultural Economics Association Meetings Selected Papers Committee, National Research Initiative Grants Program of USDA