

# Ajay S. Singh

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## EDUCATION

2015 Ph.D. Environment & Natural Resources, The Ohio State University, Columbus  
2004 M.A. Geography, California State University, Chico  
1998 B.A. Geography, University of Oregon, Eugene

## ACADEMIC APPOINTMENTS

2017- Assistant Professor of Environmental Studies, CSU, Sacramento  
2015-2017 Postdoctoral Research Associate, Purdue University  
2015 Lecturer, The Ohio State University  
2004-2006 Lecturer, Butte-Glenn Community College

## PROFESSIONAL APPOINTMENTS

2007-2009 Director, Kearns & West  
2004-2007 Watershed Coordinator, Glenn County Resource Conservation District  
1998-2001 Natural Resources Volunteer, Peace Corps, Honduras

## COURSES TAUGHT

Environmental Science, CSU, Sacramento (2 courses)  
Environmental Management and Decision-Making, CSU, Sacramento (1 course)  
International Environmental Problems, CSU, Sacramento (1 course)  
Sustainability Science and Policy, CSU, Sacramento (1 course)  
Environmental and Natural Resources Policy, The Ohio State University (2 courses)  
Sustaining Human Societies and the Environment, The Ohio State University (1 course)  
Society and Natural Resources, The Ohio State University (3 courses)  
World Regional Geography, Butte Community College (4 courses)  
Physical Geography, Butte Community College (1 course)

## PUBLICATIONS (\* INDICATES UNDERGRADUATE STUDENT)

### Journal Articles and Scholarly Book Chapters

1. **Singh, A. S.**, MacGown, B., Urlich-Schad, J., Klotz, H. \*, Overstreet, B., O'Donnell, M., Dunn, M., & Prokopy, L. S. (Accepted; 2018) The influence of demonstration sites and field days on adoption of conservation practices. *Journal of Soil and Water Conservation*.
2. **Singh, A. S.**, Eanes, F., & Prokopy, L. S. (2018). Assessing conservation adoption decision criteria using the Analytic Hierarchy Process: Case studies in three Midwestern watersheds. *Society and Natural Resources*. DOI: 10.1080/08941920.2017.1413694.
3. Eanes F., **Singh, A. S.**, Bulla, B., Ranjan, P., Fales, M., Wickerham, B., Doran, P., & Prokopy, L. S. (2017). Farmer's perception of crop advisors as conduits of information on conservation practices. *Environmental Management*, 60(5): 974-988. DOI 10.1007/s00267-017-0927.

4. Berardo, R., Formica, F. V., Reutter, J., & **Singh, A. S.** (2017). Impact of land use activities in the Maumee River watershed on harmful algal blooms in Lake Erie. *Case Studies in the Environment*. DOI: <https://doi.org/10.1525/cse.2017.sc.450561>. Access through: <http://cse.ucpress.edu/content/ecs/early/2017/06/06/cse.2017.sc.450561.full.pdf>
5. **Singh, A. S.**, Zwickle, A., Bruskotter, J., & Wilson, R. (2017). Support for climate adaptation approaches in the United States: Exploring the influence of psychological distance of climate change impacts on support for collective action. *Environmental Science and Policy* (73). <http://dx.doi.org/10.1016/j.envsci.2017.04.011>.
6. Slagle, K., Bruskotter, J., **Singh, A. S.**, & Schmidt, R. H. (2017). Attitudes toward predator control in the United States: 1995 and 2014. *Journal of Mammology*, 98(1).
7. Campbell J., **Singh, A. S.**, & Sharp, J. (2016). Climate change and the current and future impacts on rural community agency and institutions. In Schafft K., Brown, D., & Schucksmith, M. (Eds.), *International Handbook of Rural Studies*. Lexington, KY. Sage Press.
8. Heeran A., **Singh, A. S.**, Zwickle, A., Slagle, K., & Koontz, T. (2016). Is sustainability knowledge half the battle? An examination of sustainability knowledge, attitudes, norms, and efficacy to understand sustainable behaviours. *International Journal of Sustainability in Higher Education*, 15(5).
9. Bruskotter J., **Singh, A. S.**, Fulton, M., & Slagle, K. (2015). A policy-relevant measure of wildlife conservation behavior. *Human Dimensions of Wildlife*, 11(3).
10. Kadri A.\*, Long, C.\*, & **Singh, A. S.** (2015). An economic analysis of Ohio's renewable energy portfolio freeze: Justification for repealing Ohio Senate Bill 310. *Journal of Science Policy and Governance* 7(1).
11. **Singh, A. S.**, Wilson, R., Bruskotter, J., Brooks, J., Toman, E., & Zwickle, A. (2013). The human dimensions of ecosystem services: Understanding and solving the commons dilemma. In Lal, R., Lorenz, K., Hüttl, R.F., B.U., Schneider, B. U., & von Braun., J. (Eds.), *Ecosystem Services and Carbon Sequestration in the Biosphere*. Dordrecht, Germany: Springer.

#### Published Datasets

1. **Singh, A. S.**, Getson, J., Esman, L., Koundinya, V., Klink, J., Mase, A., Haigh, T., Widhalm, M. and L. Prokopy. (2017). "Farmers' Climate Risk Perceptions and Use of Climate Information: 2016 Survey Data." Purdue University Research Repository. DOI: 10.4231/R78W3BBV <https://purr.purdue.edu/publications/2534/1>. Embargo until Nov. 29, 2018.
2. Koundinya, V., Klink, J., Mase, A., Robinson, C., Haigh, T., **Singh, A. S.**, Church, S., Widhalm, M., Prokopy, L. S. (2017). "Advisors' Climate Risk Perceptions and Use of Climate Information: 2016 Survey Data." Purdue University Research Repository. DOI: 10.4231/R7G44N9S. <https://purr.purdue.edu/publications/2535/1>. Embargo until Nov. 30, 2018.

#### Manuscripts in Review

1. Eanes F., **Singh, A. S.**, Bulla, B., Ranjan, P., Fales, M., Wickerham, B., & Prokopy, L. S. Crop advisors as conservation entrepreneurs: Increasing the capacity of Midwestern U.S. farmers to adopt to adopt soil and water conservation practices. Submitted to *Land Use Policy* (10/13/2017).
2. Haigh, T., Koundinya, V., Klink, J., Todey, D., Widhalm, M., Lemos, M. C., **Singh, A. S.**, Saylor-Mase, A., Prokopy, L. S. The Roles of Public and Private Sectors in the Provision of Climate Decision Support Tools for Agriculture. Submitted to *Bulletin of the American Meteorological Society* (11/22/2017).

3. Glas, Z., Getson, J., **Singh, A. S.**, Easman, L., Bulla, B., Eanes F., & Prokopy, L. S. The effect of small incentives on survey response rate of agricultural producers in the Midwest. Submitted to *Society and Natural Resources* (12/10/2017).
4. MacGowen, B., **Singh, A. S.**, Overstreet, B., O'Donnell, M., Klotz, H.\*, & Prokopy, L. S.. Designing demonstration events: Producer's opinions and preferences. Submitted to *Journal of Extension* (12/14/2017).
5. Bruskotter, J., Vucetich, J., Slagle, K., Berardo, R., **Singh, A. S.**, & Wilson, R. Public Support for the U.S. Endangered Species Act Over Time and Space. Submitted to *Conservation Letters* (1/16/2018).
6. **Singh, A. S.**, Zwickle, A., Wilson, R., & Bruskotter, J. Climate Change Mitigation Policy and Temporal Distance: An examination of support for municipal level approaches to reducing greenhouse gas emissions. Submitted to *Environmental Science and Policy* (1/18/2018).

#### Manuscripts in Preparation

1. **Singh, A. S.**, Church, S., Hennes, E., & Prokopy, L. S. Does climate message framing effect conservation recommendations? An experiment of farm advisors in the corn belt. Will be submitted to *Global Environmental Change*.
2. **Singh, A. S.**, Eanes, F., & Prokopy, L. S. Communicating to those uncertain about climate change: An examination of aleatoric and epistemic uncertainty and willingness to adapt in a skeptical population. Will be submitted to *Nature Climate Change Communication*.
3. **Singh, A. S.**, Eanes, F., Hennes, E., & Prokopy, L. S. A need for closure on climate change: Personality dispositions and farmers' perceptions of uncertainty. Will be submitted to *Climate and Society*.
4. Prokopy, L. S., Arbuckle, J., Church, S., Eanes, F., Floress, K., Ranjan, P., **Singh, A. S.**. Motivations and Barriers to Adoption of Conservation Best Management Practices: A Meta-Analysis. Will be submitted to *Journal of Soil and Water Conservation*.
5. **Singh, A. S.**, MacGown, B., Urlich-Schad, J., Klotz, H.\*, Dunn, M., & Prokopy L. S. Epistemic trust in sources of agricultural and conservation information and their influence on management decisions. Submission TBD.
6. Church, S., Bentlage, B., Ranjan, P., **Singh, A. S.**, & Prokopy, L. S. What is marginal agricultural land? A look at how agricultural producers perceive marginality over time. Submission TBD.

#### GRANTS, FELLOWSHIPS, & CONTRACTS (\*INDICATES EXTERNAL FUNDING SOURCE)

2017	Research & Creative Activity Awards, CSU, Sacramento
2017	NOAA Regional Integrated Sciences and Assessment Grant, Not funded*
2017	NOAA RESTORE Grant, Not funded*
2016	NSF Coupled Natural-Human Systems Grant, Not funded*
2016	NSF Cyber-Physical Systems Grant, Not funded*
2016	Purdue College of Agriculture Ag-SEED Grant, Not funded
2016	NOAA Regional Integrated Sciences and Assessment Grant, Not funded*
2015	Purdue Climate Change Research Center, \$7,000, Funded
2013	Ohio Division of Wildlife Contract, \$114,000, Awarded*
2012	Climate, Water, Carbon Grant, \$8,250, Funded
2012	Environmental Policy Initiative Grant, \$1,500, Funded
2010	Ohio Agricultural Research and Development Center Fellowship, \$55,000, Awarded
2007	USBR San Joaquin River Restoration Program Contract, \$375,000, Awarded*
2006	CALFED Watershed Action Plan Grant, \$465,000, Funded*
2004	CALFED Watershed Assessment and Restoration Grant, \$1,200,000, Funded*

#### SCHOLARLY PRESENTATIONS (\*INDICATES PRESENTER)

1. **Singh, A. S.\***, Eanes, F. (2017, October). *Communicating the uncertainty of climate change to a skeptical population: An examination of aleatoric and epistemic uncertainty and attitudes towards adaptation*. Presented to the Association of Pacific Coast Geographers. Chico, CA.
2. Prokopy, L. S.\*, Eanes, F., Church, S., Ranjan, P., Arbuckle, J, Flores, K., **Singh, A. S.** (2017, July). *Meta-review of barriers and motivations for farmers to adopt conservation practices*. Presented at the Soil and Water Conservation Society International Annual Conference. Madison, WI.
3. Prokopy, L. S.\*, Eanes, F., Church, S., **Singh, A. S.** (2017, July). *Leveraging Crop Advisers to deliver agricultural conservation advice and increase the adoption of conservation practices*. Presented at the Soil and Water Conservation Society International Annual Conference. Madison, WI.
4. **Singh, A. S.\*** & Prokopy, L. S. (2017, June). *Framing Conservation Communication: The influence of framing information on recommendations to adopt climate change adaptation measures*. Presented at the Association of Environmental Sciences and Studies Annual Meeting. Tuscon, AZ.
5. **Singh, A. S.\*** & Prokopy, L. S. (2017, April, **Co-organizer**). *A Need for Closure on Climate Change: An assessment of farmers' perceptions of climate uncertainty and their willingness to adapt*. Presented at the Association of American Geographers Annual Meeting. Boston, MA.
6. **Singh, A. S.\*** & Prokopy, L. S. (2016, August, **Invited**). *Adoption of agricultural conservation practices in the Mississippi River Basin to address hypoxia in the Gulf of Mexico*. Presented at American Fisheries Society Annual Conference. St. Louis, MO.
7. Prokopy, L. S.\* & **Singh, A. S.** (2016, July). *Epistemic Trust and Agricultural Conservation Decisions*. Soil and Water Conservation Society International Annual Conference. Louisville, KY.
8. **Singh, A. S.\***, Klotz, H., MacGowan, B., Prokopy, L. S. (2016, June, **Co-organizer**). *Planting seeds, growing conservation practices: Field days and demonstration events and adoption of conservation practices*. Presented at International Symposium for Society and Natural Resource Management. Houghton, MI.
9. Campbell, J.\*, Sharp, J., **Singh, A. S.** (2015, August). *Application of the community capitals framework to understand adaptive capacity to climate change*. Presented at the Rural Sociology Society Annual Meeting. Madison, WI.
10. **Singh, A. S.** (2015, June). *Can we assess our tolerance of Gray Wolves? A presentation of results of a national survey*. Presented at the Association of Environmental Sciences and Studies Annual Meeting. San Diego, CA.
11. Ruseva, T.\*, & **Singh, A. S.** (2015, May). *Rule embeddedness and institutions for private land conservation in the United States*. Presented at the International Association for the Study of the Commons. Edmonton, Alberta Canada.
12. Zwickle, A.\*, Koontz, T., Heeran, A., Slagle, K., & **Singh, A. S.** (2014, October). *Is sustainability knowledge half the battle? An examination of sustainability knowledge and the Theory of Planned Behavior*. Paper presented at the Association for the Advancement of Sustainability in Higher Education Conference and Expo. Portland, OR.
13. Slagle, K.\*, Wilson, R., **Singh, A. S.**, & Bruskotter, J. (2014, September). *Attitudes toward predator control in the United States*. Pathways: Presented at Pathways: Integrating Human Dimensions into Fish and Wildlife. Estes Park, CO.
14. **Singh, A. S.** (2014, June, **Invited**). *Using and adapting the IAD and SES frameworks to address water quality improvements in California*. Presented at Workshop on the Workshop 5. Bloomington, IN.
15. **Singh, A. S.** (2014, March). *Psychological distance and support for climate change mitigation and adaptation policy*. Presented at the Western Political Science Association. Seattle, WA.

16. **Singh, A. S.** (2013, June, **Organizer**). *Climate adaptation and mitigation policy framing: Application of psychological distance to policy support*. Presented at the Association of Environmental Sciences and Studies. Pittsburg, PA.
17. **Singh, A.S.** (2013, March). *Incorporating science into climate decision-making processes*. Paper presented at the American Society of Public Administrators. New Orleans, LA.
18. **Singh, A. S.\***, & Koontz, T. (2011, September). *Climate science and policy: Effective development and use of science in policy making*. Paper presented at the American Political Science Association Annual Conference. Seattle, WA.
19. **Singh, A. S.** (2011, June). *Climate science and policy: Effective development and use of science in policy making*. Presented at International Symposium for Society and Natural Resource Management. Madison, WI.

#### **EXTENSION PRESENTATIONS (\*INDICATES PRESENTER)**

1. **Singh, A. S.\***, Church, S., & Prokopy, L. S. (2016, January **Invited**). *Use of social indicators in watershed management*. Indiana Watershed Leadership Academy, Indiana Department of Natural Resources.
2. **Singh, A. S.\*** & Bruksotter, J. (2014, April **Invited**). *Fishing attitudes and behaviors of Ohio River anglers*. Ohio Catfish Summit, Ohio Department of Natural Resources, Division of Wildlife.
3. **Singh, A. S.** (2008, September **Invited**). *Stakeholder involvement in watershed restoration planning*. California Society for Ecological Restoration. Sabastapol, CA.
4. **Singh, A. S.** (2008, June). *Environmental compliance process for river restoration projects*. Salmon Restoration Federation Annual Conference. Lodi, CA.
5. **Singh, A. S.** (2006, January, **Invited**). *Environmental conflict along the Sacramento River*. Sacramento River Restoration Conference. Chico, CA.

#### **INVITED TALKS AND LECTURES**

- 2018 "Sustainability and Food Systems" Dietician Internship Program. Family and Consumer Sciences. CSU, Sacramento.
- 2017 "Framing Climate Communications: Farmer perceptions of climate change and climate uncertainty". Environmental Studies Seminar Series. Environmental Studies, CSU, Sacramento.

#### **PROFESSIONAL SERVICE & LEADERSHIP**

- 2017- Editorial Board Member, Case Studies in the Environment
- 2012-2013 Editor-in-Chief, Journal of Science Policy and Governance
- 2010-2012 Editorial Board Member, Journal of Science Policy and Governance
- 2018- Reviewer, Land Use Policy (1)
- 2017- Reviewer, Sustainability Science (2)
- 2017- Reviewer, Environment and Behavior (1)
- 2017- Reviewer, Agroecology and Sustainable Food Systems (2)
- 2017- Reviewer, Society and Natural Resources (1)
- 2017- Reviewer, Journal of Extension (2)
- 2016- Reviewer, Journal of Water Resources and Planning (1)
- 2016- Reviewer, Ecology and Society (1)
- 2016- Reviewer, Journal of American Water Resources Association (2)
- 2016- Reviewer, Journal of Land Use Policy (2)
- 2016- Reviewer, Rural Studies (1)
- 2016- Reviewer, Human Dimensions of Wildlife (2)
- 2015- Reviewer, Environment, Systems, and Decisions (1)

2015- Reviewer, Council on Undergraduate Research Quarterly (1)

**DEPARTMENT AND UNIVERSITY SERVICE**

2017-2020 Member, Curriculum Committee, College of Social and Interdisciplinary Sciences,  
2017 Faculty Advisor, Indian Student Association

**AWARDS**

2018 California Higher Education Sustainability Conference Best Practice Award  
(Nominated)  
2017 Association for the Advancement of Sustainability in Higher Education Research  
Award (Nominated; Not awarded)  
2016 National Socio-Environmental Synthesis Center Award  
2012 Doctoral Teaching Scholars Award, The Ohio State University

**PROFESSIONAL SOCIETY MEMBERSHIP**

2016- American Psychological Association (Division 34: Population and Environment)  
2016- Association of American Geographers  
2016- American Fisheries Society  
2012- Association of Environmental Sciences and Studies  
2011- Western Political Science Association  
2011- International Association for Society and Natural Resources  
2011- American Political Science Association

**SERVICE TO COMMUNITY**

2014- Board of Trustees, Kanor Scholarship Fund, Rajasthan College of Agriculture  
2008-2009 Volunteer Whitewater Raft Guide, Friends of the River  
2006-2009 Chair, Sacramento River Conservation Area Technical Advisory Committee  
2006-2008 Board of Directors, Kids and Creeks