

Dr. Bhavna Shamasunder

Urban and Environmental Policy Department
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Curriculum Vitae

Education

Ph.D.	University of California, Berkeley; Department of Environmental Science, Policy, and Management <i>Dissertation, "Body Burden Politics: How Biomonitoring Data is Influencing Chemicals Governance in the U.S."</i>	2011
M.ES.	Yale University; School of Forestry and Environmental Studies	1999
B.S.	University of California, San Diego; General Biology	1997
B.A.	University of California, San Diego; Third World Studies	1997

Academic Positions

Associate Professor & Chair Urban and Environmental Policy Department Public Health Minor Director Occidental College	Aug 2018 – Present
Assistant Professor Urban and Environmental Policy Department Occidental College	Aug 2011-July 2018
Visiting Scholar Georgetown University; School of Nursing & Health Studies; Mid-Atlantic Center for Children's Health and the Environment	Aug-Dec 2016

Professional Positions

Environmental Health and Justice Program Director; Urban Habitat, Oakland, California	2002-2005
Research Associate; Institute for Health Policy Studies University of California, San Francisco	2000-2002
Staff Scientist Center for Environmental Health Oakland, CA	1999-2000

Research Fellowships

National Science Foundation, Graduate Research Fellowship
 University of California, Berkeley; Chancellor’s Award
 Fulbright Fellowship; Indo-American Environmental Leadership Program
 Environmental Leadership Program National Fellow

Current Grants & Awards

MacArthur International Grant (\$3,000)	July 2019-June 2020
L.A. CARE; <i>Connecting Students to Community Engaged Internships</i> (\$75,000)	Oct 2018-Sep 2020
California Breast Cancer Research Program (Principal Investigator) <i>Taking Stock: Product Use Among Black and Latina Women;</i> Award Number 23UB-6511; \$350,000 (3-years)	May 2018-April 2021
National Institute of Environmental Health Sciences (co-investigator, sub-study) <i>R 21 Health, Air Pollution, and Urban Oil Drilling (PI Jill Johnston, USC)</i> Subcontract under NIEHS Award No. R21ES027695 (subcontract, \$30,000)	Sept 2016- May 2020

Completed Grants & Awards

Faculty Enrichment Grant (\$4000), Occidental College	July 2018-June 2019
Resources Legacy Fund; <i>Environmental Justice Analysis of Oil and Gas Wells, Production, and Operation in Los Angeles</i>	July 2016- March 2017
11 th Hour Project/New World Foundation <i>South Los Angeles Neighborhood Oil Drilling Health and Exposure Study</i> (\$25,000)	February – August 2016
Liberty Hill Foundation <i>Drilling Down Report</i>	2015
First 5 LA Policy Advocacy Fund <i>Policies to Increase Access to Healthy, Local, & Affordable Food</i>	2013-2017
Occidental College Faculty Development Fund <i>Course development; Environmental Health and Policy</i>	2013
Los Angeles County Metropolitan Transportation Authority Research Contract <i>LA Metro Climate Change Adaptation Pilot Project Report</i>	2012-2014

Courses

Environment and Society
Research Methods for Urban and Environmental Policy
Environmental Health and Policy
Senior Comprehensive Research Seminar
Multicultural Summer Institute for First Generation and Underrepresented Students

Refereed Journal Articles

In Preparation; **Shamasunder B** and Johnston J; "Digital Daily Logs: A novel method for collecting acute health symptoms in an environmental justice neighborhood adjacent to active oil drilling"

Garcia-Gonzales D, **Shamasunder B**, Jerrett M; "Distance decay gradients in hazardous air pollution concentrations around oil and natural gas facilities in the City of Los Angeles: a pilot study"; *Environmental Research*; June 2019; <https://www.sciencedirect.com/science/article/pii/S0013935119301550>

Shamasunder B, Collier A, Blickley J, Sadd J, Chan M*, Navarro S, Hannigan M, Wong N, and; "Community-Based Health and Exposure Study around Urban Oil Developments in South Los Angeles"; *International Journal of Environmental Research and Public Health*; 15(1), 138; doi:[10.3390/ijerph15010138](https://doi.org/10.3390/ijerph15010138); January 15, 2018

Zota, A and **Shamasunder, B**; "The Environmental Injustice of Beauty: Framing Chemical Exposures from Beauty Products as a Health Disparities Concern"; *American Journal of Obstetrics & Gynecology*; August 15, 2017.

Shamasunder B and Morello-Frosch R; "Scientific contestations over 'toxic trespass': health and regulatory Implications of chemical biomonitoring"; *Journal of Environmental Studies and Sciences*; Volume 6, Issue 3, pp. 556-568; September 2016.

Shamasunder B, Mason R*, Ippoliti L, & Robledo L; "Growing Together: Poverty Alleviation, Community Building, and Environmental Justice through Home Gardens in Pacoima, Los Angeles"; *Environmental Justice*; Volume 8, Issue 3, pp. 72-77; June 15, 2015.

Morello-Frosch R., Zuk, M., Jerrett M, **Shamasunder B**, and Kyle A.; "Understanding the Cumulative Impacts of Inequalities for Environmental Health: Implications for Policy"; *Health Affairs*; 30, no.5; 879-887, May 2011.

Su, Jason G., Morello-Frosch, Rachel, Jesdale, Bill M., Kyle, Amy D., **Shamasunder, Bhavna**, Jerrett, Michael;(September 2009); " An Index for Assessing Demographic Inequalities in Cumulative Environmental Hazards With Application to Los Angeles"; *Environmental Science & Technology*; 43 (20); 7626-7634

Shamasunder, Bhavna and Bero, Lisa; (August 14, 2002); "Financial Ties and Conflict of Interest Between Pharmaceutical and Tobacco Companies; *Journal of the American Medical Association*; 738-744
(* undergraduate co-author)

Book Chapters

Shamasunder, Bhavna; "Citizen Science, Environmental Justice, and Neighborhood Drilling in Los Angeles"; in *Environmental Justice and Citizen Science in a Post Truth Age*; co-edited by Thom Davies and Alice Mah; Oxford University Press; Book contract accepted; Spring 2019

Shamasunder, Bhavna; "Los Angeles' Neighborhood Oil Drilling and Environmental Justice"; in *Inevitably Toxic?: Historical Perspectives on Contamination, Exposure, and Expertise*; University of Pittsburgh Press; In Press, 2018

Shamasunder, Bhavna; “Chlorpyrifos Contamination across the Food System: Shifting Science, Regulatory Challenges, and Implications for Public Health”; Chapter 7 in *The Intersection of Food and Public Health: Examining Current Challenges and Solutions in Policy and Politics*; CRC Press/Taylor & Francis; September 2017.

Public Scholarship; Reports, Articles, and Blog Posts

Shamasunder, Bhavna and Robinson-Flint, Janette; “Beauty Myths 2.0: Breaking Toxic Bonds and Creating Cross-Racial Alliances”; *UCLA Center for the Study of Women*; December 9, 2016;

<https://csw.ucla.edu/2016/12/09/beauty-myths-2-0-breaking-toxic-bonds-creating-cross-racial-alliances/>

Sadd, James and Shamasunder, Bhavna; “Oil extraction in Los Angeles: Health, Land Use, and Environmental Justice Consequences”; *Drilling Down: The Community Consequences of Expanded Oil Development in Los Angeles*; Liberty Hill Foundation; November 2015;

http://www.libertyhill.org/sites/libertyhillfoundation/files/Drilling%20Down%20Report_1.pdf

Vallianatos, M., Shamasunder B., Gottlieb, B.; *Metrics for Tracking Climate Change Adaptation: A Report to the Los Angeles County Metropolitan Transportation Authority*; FTA Climate Adaptation Pilot Project; Urban and Environmental Policy Institute, Occidental College; April 2013; <http://www.uepi.oxy.edu/wp-content/uploads/2013/08/Climate-Metrics-Report1.pdf>

Invited Talks/Academic Conferences

Invited Speaker; Diversity, Equity, and Inclusion Conference; California Lawyers Association, Environmental Law Section; Southwestern Law School; September 13, 2019

Meeting of the Society for the Social Studies of Science (4S); “Unequal Hormonal Disruptions and Systemic Racisms: The Environmental Injustice of Beauty”; *Hormones on the Move (Double Panel II): Transnational Entanglements in the Everyday*; New Orleans; September 2019

Invited Colloquium Speaker; *Crude Justice: Neighborhood Drilling and Oil Politics through a Century of Oil Development in Los Angeles*; Claremont Graduate University; March 5, 2019

Opening Panelist; *Beyond the Oil Spill*; Sawyer Seminar on Energy Justice in Global Perspective”; January 25, 2019

Book Release; Pitzer College; *Inevitably Toxic? Historical Perspectives on Contamination, Exposure, and Expertise*; November 14, 2018

Workshop; “Oil Wells & Gas Storage or Fewer Good Jobs in Our Neighborhoods: A Real Dilemma or a False Dichotomy?; 2018 Los Angeles Congress of Neighborhoods; September 22, 2018

Research Panel; “Environmental Justice and Women’s Health”; Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE 2018); August 2018

Invited Speaker; “Recent Finding of Higher Asthma Rates in Residents near Oil and Gas Activity”; Asthma Committee, Los Angeles County Department of Public Health; April 23, 2018

Invited Speaker; Funder “Toxic Tour” of Los Angeles Oil Fields; Liberty Hill Foundation; March 15, 2018

Kick-Off Speaker for Leadership in Sustainability and Environmental Justice: A Seminar in Engagement and Action; Scripps College; January 31, 2018

Invited Speaker; *Power Manifesto: Reproductive Justice = Voting Power + Accountability + Good Policy*; Black Women for Wellness Convened; California Endowment; October 19, 2017

Guest Lecture; “No More Dirty Looks: Personal Care Products and Ways to Cut Your Exposure, Teach Others, and Join the Movement for Chemical Policy Reform”; Community Organizing for Public Health Course; MPH; University of Southern California; October 4, 2017

Invited Workshop Presentation and Collaboration; Strengthening Environmental/Health Participatory Science for Successful Outcomes; Institute for Advanced Studies; Reseau Francais; Marseille, France; October 12-13, 2017

Invited Speaker; Women's Reproductive Health & the Environment: Best Practices for Los Angeles County-Community, Science & Policy; Air Quality Panelist; The California Endowment; September 20, 2017

Invited Presenter; *Community-Based Research: A Spectrum of Power and Practice*; Mario Pando Social Justice Research Collaborative; First Generation Studies and Community Based Research; June 28, 2017.

Working Conference; Invited Speaker; Toxic Expertise, a European Research Council-funded project; Workshop on Pollution, Environmental Justice, and Citizen Science; "The South Los Angeles Neighborhood Oil Drilling Health and Exposure Study"; University of Warwick; May 3-4, 2017

Invited Talk; National Environmental Health Partnership Council; session "Advancing Environmental Justice in 2017"; *Neighborhood Oil Drilling and Environmental Justice in Los Angeles*; Washington DC; November 29, 2016

Webinar; Alliance of Nurses for Healthy Environments and Mid-Atlantic Center for Children's Health and the Environment; *Scientific Contestations over 'toxic trespass': health and regulatory implications of chemical biomonitoring and relevance to environmental justice communities*; Washington DC; November 16, 2016.

Invited Speaker; Los Angeles County Civil Grand Jury; *Environmental Exposures and Neighborhood Oil Drilling in Los Angeles: Issues of Government and Governance*; August 11, 2016; Los Angeles. Cited in *Civil Grand Jury Report 2016-2017 Final Report*; <http://www.grandjury.co.la.ca.us/>.

Invited Speaker by Los Angeles County Supervisor Mark Ridley-Thomas and The Empowerment Congress; *Landscaping Environmental Equity in LA County: A Look at Recent Challenges and their Impact on Public Health*; August 3, 2016; MLK Center for Public Health; Los Angeles; <http://empowermentcongress.org/>

Invited Panelist; *Climate Change & Global Health*; Los Angeles Policy Symposium, People, Planet, Profits: Policy Solutions for a Changing World. Frank S. Pardee RAND Graduate School. Los Angeles. April 9, 2016.

Shamasunder, Bhavna; *Beyond Distributional Justice: The Race, Class, and Climate Implications of Oil Development in Los Angeles*; Panel on Climate Change: Impacts, Equity, and Policy Struggles. American Association of Geographers Annual Meeting. San Francisco. April 2016

Invited Panelist; *Citizen Science: When the Community Conducts Their Own Research*; Stakeholder Roundtable, Environmental Health Investigations Branch, Department of Public Health. Los Angeles. February 12, 2016.

Invited Panelist; *Drilling in Los Angeles, Well Distribution, and Environmental Justice*; for Symposium on Public Health Dimensions of Oil and Gas Development: Tools, Strategies, and Collaboration; Occidental College; Los Angeles. January 2016

Working Conference; *Chlorpyrifos Human Biomonitoring Studies: Following the Molecule Farmworkers to Fenceline Communities to Consumers*; Contested Expertise in Toxic Environments; Pitzer College; Claremont. September 17-19, 2015

Invited Speaker; *Cumulative Impacts of Neighborhood Oil Drilling in Los Angeles and Environmental Justice*; Social Science Environmental Health Research Institute; Northeastern University; Boston. March 2015

Invited Conference; *Scientific Contestations over "Toxic Trespass": The Health and Regulatory Implications of Chemical Biomonitoring*; for Democratizing Technologies Conference; University of California, Santa Barbara; November 2014

College Service

Core Standing Committee; 2017-2018

Green Revolving Fund Steering Committee; 2017-Present

International Programs Office; Study Abroad; International Fellowships; Academic Year 2015-2016

Community Engagement Strategic Planning Committee, Occidental College Academic Years 2012-2013; 2013-2014

Integrating Data Analysis Across the Curriculum Working Group; 2015-2016

Public Health Minor Director (2014-Present)

Professional Service

National Institutes of Environmental Health Sciences and National Science Foundation; Centers for Oceans and Human Health 3: Impacts of Climate Change on Oceans and Great Lakes Review Committee; September 2017

National Institutes of Environmental Health Sciences; NIH Reviewer for Community Engagement Cores, Grants Review Meeting; September 2016

National Institutes of Environmental Health Science; NIH Reviewer; Special Emphasis Review Panel; February 2016
Peer-Review for refereed manuscripts including *International Journal of Environmental Research and Public Health*; *Journal of Urban Affairs*; *Sustainability*; *Medical Anthropology Quarterly*; *Sociology Compass*.

Manuscript review for scholarly books; most recently MIT Press

Community Service

California State Board of Registered Nursing; September	2015-June 2016
Appointed by California Senate President Pro tem Kevin de Leon	
Board of Directors, Science and Environmental Health Network, www.sehn.org	2006- Present
Community Funding Board, Environmental Health and Safety Fund, Liberty Hill Foundation	2014