

PRAVEEN KUMAR

Assistant Professor
Boston College School of Social Work,
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EDUCATION

- 2017 PhD in Social Work
Washington University in St. Louis
Brown School
- 2010 MA in Social Entrepreneurship
Tata Institute of Social Sciences, India
School of Management & Labor Studies
- 2008 Bachelor of Technology in Engineering
University of Mumbai, India
Institute of Chemical Technology (ICT)

RESEARCH INTERESTS

Clean energy interventions; Energy poverty; Environment and development interactions;
Community development; Environmental justice

PROFESSIONAL APPOINTMENTS

- 2017-current *Assistant Professor*
Boston College School of Social Work, MA (USA)
- 2015 *Research fellow*
Global Alliance for Clean Cookstoves
United Nations Foundation, Washington, DC (USA)
- 2010-2012 *Management Consultant (Senior Consultant || Consultant)*
KPMG, Mumbai and Delhi (India)
- 2009 *Research Associate*
AC Nielsen, ORG MARG Center for Social Research, Delhi (India)

RESEARCH EXPERIENCE

- 2018-current Co-Investigator
Principal Investigator: Anita Shankar, PhD

“Integration of System Science Approaches to Enhance Understanding of Adoption and Sustained Use of Clean Cookstoves in Humanitarian Settings in Rwanda
Funded by: National Institutes of Health (in collaboration with the USAID, the CDC, and the United Nations Foundation)

- 2016-current *Co-PI (Case control study)*
Principal Investigator: Gautam N. Yadama, PhD
Understanding household, network, organizational drivers of cleaner cooking fuels in rural India
Funded by: National Institutes of Health (in collaboration with the USAID, the CDC, and the United Nations Foundation) (~300,000 USD) (IRB #201608013)
- 2018-present *Principal Investigator*
Impact of dissemination and implementation of solar lamps on well-being of rural poor households in India
Project: Solar Urja Lamp through Localization for Sustainability (SoULS)
Supported by the Government of India
- 2012-current *Research Associate (Randomized control trial)*
Exploring Respiratory Health Outcomes from Sustained Use of Efficient Cookstoves (Randomized control trial)
Principal Investigator: Gautam N. Yadama, PhD
Funded by: National Institutes of Environmental Health Sciences (NIEHS) (~407,000 USD) (IRB # 201207016)
- 2013-2015 *Research Assistant (Multiple case study)*
Dynamics of sustained use and abandonment of clean cooking systems in rural India (case study)
Principal Investigator: Gautam N. Yadama, PhD
Funded by: Washington University’s Institute of Clinical and Translational Sciences (ICTS) (part of national Clinical and Translational Science Award (CTSA) initiative, National Institutes of Health) (~50,000 USD)
- 2015 *Research Fellow – Global Alliance for Clean Cookstoves (United Nations Foundation)*
Funded by: United Nations Foundation
- 2010 *Principal Investigator*
Funded by: Tata Institute of Social Sciences, India
MA thesis project – Vulnerability to climate change in low lying areas of coastal megacities (Mumbai)
- 2009 *Research Associate (Program evaluation)*
Project Director: Tathagata Dasgupta (Director – AC Nielsen ORG MARG Center for Social Research)

Funded by: Department for International Development (UK) in collaboration with the Ministry of Human Resources Development, Government of India

2009

Research Associate (Program evaluation)

Project Director: Tathagata Dasgupta (Director – AC Nielsen ORG MARG Center for Social Research)

Funded by: United Nations World Food Programme (UNWFP)

PROFESSIONAL EXPERIENCE

2008-2010

Management Consultant

KPMG, India

Summary of work:

Development of implementation strategies; project management; data management and analysis; social return on investment; monitoring & evaluation; feasibility Study; fiduciary review; institutional assessment

Key assignments:

- Review of the financial management capacity of the implementing partners (UNICEF, UNDP and UNOPS) to contribute towards the goals set out in the national development priorities/ millennium declaration of India. *Client: UNDP*
- Financial and capacity assessment of ICTC/PPTC centers for planning (quality & coverage) of Bihar State AIDS Control Society (BSACS) of India. *Client: UNICEF*
- Addressing gender concerns of rural electrification in India. *Client: UNDP*
- Budget analysis of United Nations-Joint Programme on convergence (JPC) districts in India. *Client: UNICEF, UNDP*
- Fiduciary review and institutional assessment of INP+ (Indian Network for People Living with HIV/AIDS). Global Fund to Fight AIDS, Tuberculosis and Malaria (GFATM)
- Due diligence assessment of a CSO grantee under the DFID supported Global Poverty Action Fund. *Client: DFID (UK)*
- Design mission for the proposed strategic partnership between DFID (India country office) and SEWA Bharat. *Client: DFID (UK)*
- Impact of Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) wage employment program on the agricultural famers in Andhra Pradesh. *Client: Government of India*
- Bihar microenterprise/pro poor business development strategy for urban local economic development under the DFID Support Program for Urban Reforms (SPUR) in Bihar. *Client: DFID (UK)*
- Ex-Post cost-benefit analysis of CSR initiatives of the Ballarpur Industries Limited through Social Return of Investment (SRoI) method. *Client: Ballarpur Industries*
- Feasibility studies and cost-benefit analysis of the contemporary philanthropic behavior in India. *Client: European Venture Philanthropy Association*
- Identification of potential NGO partners to set up a residential education facility in the state of Rajasthan for Sharpe's Children foundation. *Client: Sharpe Foundation*

TEACHING EXPERIENCE

- Spring 2018 *Instructor*
Boston College
Course: Social Innovation
- Fall 2015 *Co-Instructor*
Washington University in St. Louis
Course: Social Entrepreneurship
- Fall 2015 *Teaching Assistant*
Washington University in St. Louis
Course: Social Innovation
- Fall 2014 *Teaching Assistant*
Washington University in St. Louis
Course: The Role and Use of Theory in Applied Social Research (PhD level course)
- Fall 2014 *Teaching Assistant*
Washington University in St. Louis
Course: Social Innovation
- Spring 2013 *Teaching Assistant*
Washington University in St. Louis
Course: Social Entrepreneurship
- Fall 2013 *Teaching Assistant*
Washington University in St. Louis
Course: Environment, Climate and Community - Understanding and Intervening with Environment and Climate Vulnerable Populations
- Fall 2013 *Teaching Assistant*
Washington University in St. Louis
Course: International Social and Economic Development Policy

ACADEMIC & PROFESSIONAL SERVICE

- 2016 Ad hoc Reviewer: 1) *Journal of Community Medicine & Public Health Care (Herald Scholarly Open Access)*; 2) *Energy Research and Social Science*; 3) *Eco Health*; 4) *Plos One*; 5) *Feminist Economics*; 6) *Energy and Buildings*; 7) *Global Social Welfare*
- 2016 Cultural reviewer for Human Research Protection Office: *Intimate Partner Violence among South Asian Women: Prevalence and Help-Seeking Behaviors, A Study Using Mixed Methods (IRB# 201607036)*. Washington University in St. Louis, USA
- 2016 Coordinator - People and Climate Change: Vulnerability, Adaptation, Social Justice Symposium
Brown School, Washington University in St. Louis, USA
- 2013-2014 Vice-president, International Center for Career Advancement and Networking (I-CAN)

Washington University in St. Louis, USA
 2008-2009 Cohort Representative - Graduate Class of Social Entrepreneurship
 School of Management & Labor Studies, Tata Institute of Social Sciences, India
 2006-2007 Editor – *University Newsletter: The Spirit*
 Institute of Chemical Technology, University of Mumbai, India
 2005-2006 University Brochure Design Committee Member
 Institute of Chemical Technology, University of Mumbai, India

SERVICE TO THE COMMUNITY

2005-2010 *Vice-President and Fund raiser*
 Sarvotthan - NGO working for economic empowerment of rural women in India
 2002-2004 *Volunteer*
 Suryodaya - NGO working for homeless in Urban Bihar state of India

COMPETITIVE GRANTS, FELLOWSHIPS, AWARDS, & SCHOLARSHIPS [SELECT]

2018 *Research Grant*
 Clean Cooking Implementation Science Network, National Institutes of Health (in collaboration with the USAID, the CDC, and the UN Foundation)
 2018 *Erasmus Fellowship - visiting scholar, Pompeu Fabra University (UPF), Barcelona*
 European Commission and Pompeu Fabra University (UPF), Barcelona
 2017 *First Prize - Three Minute Thesis*
 McDonnell International Scholars Academy, Washington University in St. Louis
 2016 *People's Choice Award– Three Minute Thesis International Competition*
 University of Queensland, Australia
 2016 *Research Grant and Full Dissertation Support (~300,000USD)*
 National Institutes of Health (in collaboration with the USAID, the CDC, and the UN Foundation)
 2016 *Helen Ette Park Fellow*
 Washington University in St. Louis
 2012-2017 *McDonnell International Scholar – India*
 Scholarship for pursuing PhD program
 McDonnell International Scholars Academy, Washington University in St. Louis
 2015 *Conference Travel Support – Clean Cooking Adoption Workshop, Lima, Peru*
 Global Alliance for Clean Cookstoves, United Nations Foundation
 2015 *Summer Research Fellow – Global Alliance for Clean Cookstoves*
 Only selected fellow for summer 2015
 United Nations Foundation
 2011 *KPMG Encore Kudos Award*
 Award for exceptional project delivery, implementation, and innovation
 KPMG
 2010 *Erasmus Mundus Graduate Fellowship (declined)*
 European Commission
 2009 *National business paper challenge winner (India) - International Entrepreneurship Summit*
 Indian Institute of Technology – Kharagpur, India
 2007-2008 *Nominated – Student of the Year for the final year*

2006	Institute of Chemical Technology, University of Mumbai, India <i>Best Speaker Award</i> VASTRA – National Debate Championship, India
2006-2007	<i>Nominated – Student of the Year for the pen-ultimate year</i> Institute of Chemical Technology, University of Mumbai, India
2004-2010	<i>Numerous awards at inter-university and national debate championships in India</i>

SELECT PUBLICATIONS

Peer reviewed journal articles

- Patel, S., Leavey, A., Sheshadri, A., **Kumar, P.**, Kandikuppa, S., Tarsi, J., . . . Biswas, P. Associations between household air pollution and reduced lung function in women and children in rural southern India. *Journal of Applied Toxicology*, 0(0). doi:doi:10.1002/jat.3659
- **Kumar, P.**, Dhand, A., Tabak, R. G., Brownson, R. C., & Yadama, G. N. (2017). Adoption and sustained use of cleaner cooking fuels in rural India: a case control study protocol to understand household, network, and organizational drivers. *Archives of Public Health*, 75(1), 70.
- Chalise, N., **Kumar, P.**, Priyadarshini, P., & Yadama, G. N. (2018). Dynamics of sustained use and abandonment of clean cooking systems: lessons from rural India. *Environmental Research Letters*, 13(3), 035010.
- Trani, J.-F., **Kumar, P.**, Ballard, E., & Chandola, T. Assessment of progress towards universal health coverage for people with disabilities in Afghanistan: a multilevel analysis of repeated cross-sectional surveys. *The Lancet Global Health*, 5(8), e828-e837. doi:10.1016/S2214-109X(17)30251-6
- **Kumar, P.**, R. Kaushalendra Rao, and N.H. Reddy, Sustained uptake of LPG as cleaner cooking fuel in rural India: Role of affordability, accessibility, and awareness. *World Development Perspectives*, 2016. 4: p. 33-37.
- **Kumar, P.** & Mehta, S. (2016). Poverty, gender, and empowerment in sustained adoption of cleaner cooking systems: Making the case for refined measurement. *Energy Research & Social Science*. 19: p. 48-52.
- **Kumar, P.**, Chalise, N., & Yadama, G. N. (2016). Dynamics of sustained use and abandonment of clean cooking systems: study protocol for community-based system dynamics modeling. *International Journal for Equity in Health*. 15 (70), DOI: 10.1186/s12939-016-0356-2.

Recent Reports and Editorials (Select)

- Kumar, P. (Contributing Author) (2015). Results Report 2014: Sharing Progress on the Path to Adoption of Clean and Efficient Cooking Solutions. Global Alliance for Clean Cookstoves (United Nations Foundation). <http://cleancookstoves.org/research-and-evaluation/measuring-progress/>
- Kumar, P. (Contributing Author) (2015). Beyond Distribution: Ensuring and Evaluating the Adoption of Clean Cooking and Its Benefits. Global Alliance for Clean Cookstoves (United Nations Foundation). <http://cleancookstoves.org/binary-data/RESOURCE/file/000/000/379-1.pdf>

- Kumar, P. (2014). Rural networks can help prevent deaths from Indoor Pollution. The Conversation Media. <https://theconversation.com/rural-networks-can-help-prevent-deaths-from-indoor-pollution-26203>
- **Kumar, P.**, Martinez, R., Xiao, Z. (2014). Sustainable Diffusion of Improved Cookstoves in Rural India: Exploring Key Determinants through System Dynamics Modeling. Abstract Proceedings of 32nd International Conference of System Dynamics Society, 76. <http://www.systemdynamics.org/conferences/2014/proceed/proceed.pdf>
- Kumar, P. (2015) Combining Participatory Rural Appraisal and Group Model Building Techniques for NREGA Evaluation at Village Level. Social Science Research Network. Available at SSRN: <http://dx.doi.org/10.2139/ssrn.2640742>

SELECT PRESENTATIONS

Peer reviewed presentations

- Chalise, N., **Kumar, P.**, and Yadama, G (2016). Dynamics of Adoption and Sustained Use of Cleaner Cooking Systems: Lessons from Rural India. *Energy Systems Conference*. London, UK
- Chalise, N., **Kumar, P.**, and Yadama, G (2015). Modeling Uptake and Sustained Use of Clean Cooking: Lessons from Rural India. *Clean Cooking Forum (Global Alliance for Clean Cookstoves) United Nations Foundation*. Accra, Ghana
- Schechtman, K., Johnson, P., Balakrishnan, K., Biswas, P., Castro, M., Kandicuppa, S., Mukhopadhyay, K., **Kumar, P.**, Wilson, B., Yadma, G. (2015). Improved Health through Efficient Wood Burning Cookstoves in Rural India: Design of a Cluster Randomized Trial. *36th Annual Meeting of the Society for Clinical Trials*. Arlington, Virginia, USA
- **Kumar, P.**, Chalise, N., and Yadama, G. N. (2015). Dynamics of Sustained Use and Abandonment of Clean Energy Systems in Rural Rajasthan. *Engineers in Technical and Humanitarian Opportunities of Service (ETHOS)*. Kirkland, Washington (USA)
- Murugan, V. and **Kumar, P** (2015). Help-seeking Behaviors among women experiencing Intimate Partner Violence in Bihar, India. *19th Annual Conference of Society for Social Work Research*, New Orleans (USA).
- **Kumar, P.**, Martinez, R., Xiao, Z. (2014). Sustainable Diffusion of Improved Cookstoves in Rural India: Exploring Key Determinants through System Dynamics Modeling. *32nd International Conference of System Dynamics Society*, Delft, The Netherlands.
- Xiao, Z., **Kumar, P.** (2014). Predictors of Participation in Social Audits under Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA): A Case Study of Andhra Pradesh. *Association for Public Policy & Management Conference*. Albuquerque, New Mexico, USA
- **Kumar, P.**, Mishal, M. (2007). Fuel Cells and Energy Challenge in India., *International Technical Paper Presentation Conference on Energy Policy of India*, Fr. C. Rodrigues Institute of Technology, Mumbai, India (**Awarded Presentation**)
- **Kumar, P.**, Mishal, M. Balasubramanian, H. (2007). Role of Fuel Cells in Renewable Energy Systems. Azeotropy: *Conference on Energy Access*, Indian Institute of Technology (IIT) Bombay, (Mumbai), India

- **Kumar, P.,** Bajaj, V. (2007). Ultrasonic Wet Processing of Cotton Textiles. *Textvision 2K7*, D.K.T.E. Society's Textile & Engineering Institute, Ichalkaranji, Maharashtra, India
(Awarded Presentation)

Invited Presentations, Lectures, and Webinars

- Kumar, P., (2018). *Dynamics of sustained use and abandonment of clean energy systems in vulnerable poor communities: Lessons from Rural India*, Invited Presentation and Panelist by WZB Berlin Social Science Center, Germany for the conference “Breaking the Rules! Energy Transitions as Social Innovations”
- Kumar, P., (2018). *Impact of Affordability, Accessibility, and Awareness (3As) on Adoption of Cleaner Cooking Systems in Rural India*. Invited presentation and panelist for Global Health and Innovation Conference at Yale University, New Haven (USA)
- **Kumar, P.,** (2017). *Understanding household, network, and organizational drivers of adoption and sustained use of cleaner cooking fuels in rural India-Study Update*. Invited presentation by the Implementation Science Network for Clean Cooking, Fogarty International Center, National Institutes of Health. Maryland, USA
- **Kumar, P.,** Yadama, G. (2016). *Understanding household, network, and organizational drivers of adoption and sustained use of cleaner cooking fuels in rural India*. Invited presentation by the Implementation Science Network for Clean Cooking, Fogarty International Center, National Institutes of Health. Maryland, USA
- Chalise, N. **Kumar, P.,** Yadama, G. (2015). *Modeling Uptake and Sustained Use of Clean Cooking*, Invited talk by the Implementation Science Network for Clean Cooking, Fogarty International Center, National Institutes of Health. Maryland, USA
- Kumar, P. (2015) *Energy Poverty and Role of Social Enterprises*. Doctoral level course: The Role and Use of Theory in Applied Social Research, Brown School, Washington University in St. Louis, USA
- Kumar, P. (2015) Guest lecture for 1st year doctoral students in the professional development seminar: “*Selecting Right electives*”. Brown School, Washington University in St. Louis, USA
- Kumar, P. (2015) *Servant Leadership: Case of Mother Teresa*. McDonnell Academy International Leadership Institute, Washington University in St. Louis, USA
- Tully, E., **Kumar, P.,** Mehta, S. (2015). *Beyond Distribution: Ensuring and Evaluating the Adoption of Clean Cooking and Its Benefits*. Global Alliance for Clean Cookstoves (United Nations Foundation). Webinar Available at: https://www.youtube.com/watch?v=rxNG6V3i_TU
- Kumar, P. (2014) *Mahatma Gandhi National Rural Employment Guarantee Scheme: Evaluation of Poverty Alleviation Program in India and its Policy Level Challenges*. International Social and Economic Development Policy Course, Brown School, Washington University in St. Louis, USA
- Kumar, P. (2014) *How to calculate Social Return on Investment for non-profit enterprises?* Social Entrepreneurship course, Brown School, Washington University in St. Louis, USA
- Kumar, P. (2012) *Role of Technology in addressing Energy Poverty in rural India*. Social, Economic, and Political Environment Course, Brown School, Washington University in St. Louis, USA

Other presentations

- Chalise, N., **Kumar, P.**, and Yadama, G (September 2016). Dynamics of Sustained Use and Abandonment of Cleaner Cooking Systems in Rural India. *McDonnell International Scholars Academy 6th International Symposium*. Brisbane, Australia
- Polk, M., Chalise, N., **Kumar, P.**, & Yadama, G. N. (2014). Dynamics of Sustained Use of Clean Energy Systems in rural India. *Research Without Walls*, Washington University in St. Louis. St. Louis, Missouri, USA
- Clare Brewka, C., Conlon-Zimmerman, K., **Kumar, P.**, & Siow Zing Zhen, S., Acharya, P., Kandicuppa, S. (2014). Engaging Dryland Communities Toward Sustainable Livelihoods and Ecosystems: System Dynamics Modeling for Village Perspective Planning in Gopalapuram, Andhra Pradesh. *Research Without Walls*. Washington University in St. Louis, Missouri, USA
- Yadama, G. N., Biswas, P., Castro, M., Schechtmen, K., Chalise, N., Joshi, N., **Kumar, P.** (2012). Randomized Control Trial of Sustainability of Improved Biomass Cookstoves in Rajasthan, India. *McDonnell Academy Global Energy and Environment Partnership, 4th International Symposium*. Mumbai, India
- Negi, C., Bhati, A., **Kumar, P.**, (2009). Krishi Parashara: Business Paper on Market Linkage. *International Entrepreneurship Summit*. Indian Institute of Technology (IIT), Kharagpur, India
(Awarded Presentation)

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

- Global Alliance for Clean Cookstoves (2015-present)
- Society for Social Work and Research (2016-present)
- Boston College-Global Engagement Committee (2017-present)