

## **Pankaj Lal, PhD**

Department of Earth and Environmental Studies  
PSEG Institute for Sustainability Studies  
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### **PROFESSIONAL PREPARATION**

<b>Institution</b>	<b>Major</b>	<b>Degree</b>	<b>Year</b>
University of Florida	Natural/Forest Economics & Policy Food & Resource Economics (minor)	Ph.D.	2011
Indian Institute of Forest Management, India	Forest Management (gold medalist)	MBA	2004
Delhi School of Economics, India	Geography	M.A.	2001
University of Delhi, India	Economics (Hons)	B.A.	1999

### **PROFESSIONAL APPOINTMENTS**

Montclair State University –Associate Professor Earth & Environmental Studies (2016-)  
PSEG Institute for Sustainability Studies –Associate Director (2016-)  
Montclair State University –Assistant Professor Earth & Environmental Studies (2011–2016)  
Undergraduate Program Advisor, Geography (2012 –)  
Virginia Tech –Visiting Scholar (2009 –2011)  
University of Florida –Predoctoral Alumni Fellow (2007 – 2011)  
Pricewaterhouse Coopers (PWC) India –Consultant, Government Reforms and Infrastructure  
Development Practice (2006 – 2007).  
Winrock International India–Program Officer, Natural Resource Management (2004 –2006).

### **CERTIFICATES AND SPECIAL TRAINING**

ECOMOD Computable General Equilibrium training, March 3-6 2014, Washington DC  
Advanced GAMS Course, August 11-14 2009, Frisco CO  
Process Improvement through Benefits Management (PITBM) training, Pricewaterhouse  
Coopers, November 22-24 2006, India.  
Using Internet for Advocacy, Centre of Science and Environment, January 17-20 2005, India

### **RESEARCH INTERESTS**

Environmental Economics and Policy, Resource Management and Conservation, Energy and  
Emission Analysis, Economic Modeling and Impact Analysis, Climate Change.

### **HONORS & AWARDS**

Presidential Early Career Award for Scientists and Engineers  
CAREER Award, National Science Foundation  
Passaic River Institute Fellow 2014-15  
Doctoral Faculty Status 2012-2020  
Elected to Phi Kappa Phi Honor Society, 2011  
University of Florida Pre-doctoral Alumni Fellowship 2007-2011

University of Florida International Centre Certificate of Outstanding Achievement 2008-2011  
Elected to Xi Sigma Pi Honor Society 2009  
Junior Professional Research Fellowship for International Training and Research Program on  
Groundwater Governance in Theory and Practice organized by International Water Management  
Institute for 2006-2007 (declined)  
Sir Ratan Tata Travel Award 2007  
Chairman's Gold Medal at Indian Institute of Forest Management 2004  
Director's Best Student Prize at Indian Institute of Forest Management 2004  
Swedish International Development Agency Fellowship at the Indian Institute of Forest  
Management 2002-2004.  
National Eligibility Test Certificate for lectureship in Indian Universities 2001

### **RESEARCH GRANTS (\$9,311,138)**

United States Department of Agriculture competitive grant titled "Ecosystem service tradeoffs, landowner incentives, and optimal policy design to promote sustainable Longleaf Pine agroecosystems", 2017-19, \$500,000 (Co-PI).

Rockefeller Foundation and Rand Corporation's initiative on Valuing the Resilience Dividend, 2016-2017 (Advisory Board Member)

Wildlife Conservation Society, technical consulting towards Supporting Rwanda in Implementing the Gaborone Declaration, 2014-2017, \$47,000, (Co-Lead Consultant)

Science for Nature and People competitive grant titled "Integrating natural capital into a system of National Accounts: A case study of forestry and wetland landscapes in Rwanda", 2015-17, 204,858 (Working Group Member)

National Science Foundation competitive grant titled CAREER: Geographic Suitability, Socioeconomic Uncertainty, and Environmental Consequences: Exploring Place-based Opportunities for Bioenergy Sustainability, 2016-21, 450,000 (PI).

United States Department of Agriculture competitive grant titled "Bridging the Gap Between New Jersey Farmers and Consumers Through Research, Education and Outreach", 2017-18, \$150,000 (Co-PI).

The PSEG Institute for Sustainability faculty planning competitive grant "Connecting New Jersey farmers and consumers through direct-to-consumer marketing channels: A transdisciplinary approach", 2016-17, \$6,000 (Co-PI)

The PSEG Institute for Sustainability faculty planning competitive grant "Towards A Sustainable Direct Potable Reuse (DPR) Approach with Stormwater", 2016-17, \$6,000 (Co-PI)

United States Department of Agriculture competitive grant titled "Assessing socioeconomic impacts of forest biomass based biofuel development on rural communities in the southern United States", 2012-16, \$350,000 (PI)

US Department of Energy competitive project titled “US-Indian consortium for advanced biofuels system”, 2012-18, \$6,250,000 (Co-PI; certification protocol and life cycle analysis lead)

The Margaret and Herman Sokol Faculty/Student Competitive Research Grant, Estimating willingness to pay for jellyfish population control in Barnegat Bay, 2016-17, \$2,000 (PI)

Montclair State University Faculty Student Scholarship competitive award, Socio-economic evaluation of stormwater management in the Newark Bay, 2015-16, \$2,000 (PI)

New Jersey Department of Environmental Protection, Assessment of Economic, Ecological, and Social Capital in Congruence with Design Studies for Reducing Storm Surge and Flooding Risks to New Jersey Coastal Communities, 2013-2015, \$181,000 (Co-PI; economic analysis lead)

Montclair State University Faculty Research competitive award, Ecosystem Services Assessment of NY and NJ Harbor, 2015-16, \$4,000 (PI)

Science Honors Innovation Program competitive award, Relationship between contaminated area of Liberty State Park and economic value of surrounding areas, \$10,000, 2013-2015 (PI)

Montclair State University Faculty Research competitive award, Forest based bioenergy development in United States, 2012-13, \$4,000 (PI)

US Agency for International Development and US Forest Service supported Training session on Forest Forecasting and Modeling Conference at Blacksburg, Virginia, 2013, 1500, (technical expert)

Montclair State University Startup Funds, Socio-economic, and environmental benefits associated with improved solid waste management in the Dominican Republic, evaluating sustainability of hazardous waste remediation practices & Inventorying and valuing of the ecological services of combined sewer overflow in the Newark Bay and Lower Passaic, 2011-2015, \$100,000

Agrisol Energy funded project titled ‘Agroforestry Feasibility in Tanzania’ led an international team of researchers and conducted feasibility of agroforestry investments in the country, 2008, \$30,000, PI

United States Department of Agriculture project titled Bioenergy Meta Issue: Southern Forest for Future (2009-2011), \$65,000, Co-I

United States Department of Agriculture project titled Policies to promote forest landowner participation in Greenhouse Gas reduction programs (2009-2011), \$60,000, Co-I

Environmental Protection Agency People, Prosperity and the Planet Student Design Competition for Sustainability program project titled Sustainability of Bioenergy Products Derived from Pine Forests in the U.S. South (2008-09), \$10,000, Co-PI

Southern Growth Policies Board project titled Southern Bioenergy Roadmap- Asset Inventory (2008), \$40,000, Co-I

Impacts of Bioenergy Production on Conservation of Wildlife Habitat. National Council for Science and the Environment under Wildlife Habitat Policy Research Program. \$40,000, Co-I

USAID funded project titled Field Data Audit of Indian NGOs supported under US President's Emergency Plan for AIDS Relief program Development Assistance Programs in India (2006-2007), \$20,108, Co-PI

USAID funded project titled Facilitating Gender Sensitization Activities for NGO Representatives working in urban infrastructure, water resources and sanitation (2006-2007), \$10,000, Co-PI

NASSCOM Foundation project titled Information Technology Industry's Commitment to Societal Development (2006-2007), \$26,112, Co-PI

Security Printing and Minting Company of India Ltd project titled Improving Profitability of currency printing presses and mints in India (2006-2007), \$162,234, Co-PI

International Development Research Centre Canada project titled Adaptation and Livelihood Resilience: Implementation Pilots and Climate-resilience development and adaptation in India (2005-2006), \$46,228, Co-PI

United Nations Development Program project titled Research in Regions Vulnerable to Extreme Climatic Variability and Change (2005-2006), \$23,445, Co-PI

Institute for Global Environmental Strategies Japan project titled Country Report on Forest Governance –India (2004-2005), \$1,000, Co-PI

International Union for Conservation of Nature project titled Ecosystem Approach and Sustainable Forest management in India (2004-2005), \$1,500, Co-PI

Institute for Environment and Development UK project titled Sharpening Policy Tools for Marginalized Managers of Natural Resources (2004-2005), \$21,880, Co-PI

Institute for Environment and Development UK project titled Making small and medium forest enterprise association's work for the poor in India (2004-2005), \$18,990, Co-PI

US Environmental Protection Agency project titled Conference on Adaptation to Climatic Variability and Change: Sharing Insights from South Asia, US and other part of the World (2005), \$65,882, Co-PI

Society for Promoting Participative Ecosystem Management India project titled Failure of Community Institutions: Shapin River Basin in Jharkhand (2005), \$250, PI

Ford Foundation India project titled Supporting Community Forest Management in Mayurbhanj, Orissa (2004-2006), \$46,000, Co-PI

Ford Foundation India project titled Resource Unit for Participatory Forestry (2004-2006),

Ford Foundation India project titled Case studies on Participatory Forest Management in India (2004-2005), \$82,990, Co-PI

Department for International Development UK project titled Stakeholder Perception Study in Harda (2004-2005), \$42,000,

Winrock International India project titled Assessment of Self Initiated Forest Protection Movement in Mayurbhanj,\$1,232

Winrock International India project titled Perception of NGOs, MTOs regarding Joint Forest Management in Madhya Pradesh,\$821

#### **Advisor of Student Research Awards**

The Sustainable Remediation Forum (SURF) research award 2015, \$3000, Melissa Harclerode PhD student (PI)

#### **Advisee travel support for conference presentations**

2017- Pralhad Burli, Taylor Wiczerak, Gia Nguyen, Erik Lyttek, Sydney Oluoch, Gita Bhushal, Mike Fowler, Jessica Tresslar

2016- Melissa Harclerode, Pralhad Burli, Taylor Wiczerak, Christopher Marinello

2015- Melissa Harclerode, Rachel Maynard, Pralhad Burli

2014-Pralhad Burli, Melissa Harclerode, Rachel Maynard, Bernabas Wolde

2013-Gin Dean Sanchez, Melissa Harclerode, Pricila Iranah

2012-Bernabas Wolde

#### **PROFESSIONAL AFFILIATIONS**

Association of Environmental and Resource Economists

Association of American Geographers

Society of American Foresters

New Jersey Division of American Foresters

Allegheny Society of American Foresters

Southern Agricultural Economics Association

Association for the Advancement of Industrial Crops

South Asian Network for Development and Environmental Economics

Network of Environment Professionals

Indian Environment Network

Phi Kappa Phi Honor Society

Xi Sigma Pi Honor Society

Gamma Theta Epsilon Honor Society

## **ACADEMIC SUPERVISION**

### ***Postdoctoral Associate***

Dr. Bernabas Wolde (2016-)

### ***PhD Environmental Management Committee Chair at MSU***

Bernabas T. Wolde (Graduated Fall 2015)

Melissa Harclerode (Graduated Spring 2016)

Gin Dean Sanchez (2012-)

Pricila Iranah (2012-)

Robert Oleksy (2013-)

Pralhad Burli (2013-)

Sydney Oluoch (2016-)

Taylor Wiczerak (2017-)

Gia Nguyen (2017-)

Erik Lyttek, (2016-)

### ***MA in Environmental Studies Committee Chair at MSU***

Taylor Wiczerak (Graduated Summer 2016)

### ***MS in Sustainability Science Committee Chair at MSU***

Mike Fowler (2016-)

Matthew Cristaldi (2016-)

Ashley Lynn Chrzaszcz (2016-)

Gita Bhushal (2016-)

### ***PhD Environmental Management Committee Member at MSU***

Natalie Sherwood (2012-)

Alejandra Maria Bozzolasco (2013-)

Wendy Neil (2014-2017)

Christie Barry (2016-)

Anthony Bevacqua (2016-)

### ***Master of Science Committee Member***

Trisha Sanwal (Virginia Tech; Graduated summer 2016)

### ***Undergraduate Research Advisor at MSU***

Jessica Treslar (Geography, 2016-)

Rachel Maynard (Geography; student and graduate research assistant at McGill University)

Deborah Lewis (Geography; graduated Fall 14)

Matthew McNicholas (Sustainability Science; 2015-16)

### ***Visiting Scholar***

Carlos A Sanchez, Faculty UTE Ecuador and PhD student University of Zaragoza Spain

### ***High School Students***

Katherin Mendoza, summer intern from Union City High School

Gilda Lovera, summer intern from Union City High School

Catherine Chuya, summer intern from Union City High School

Laura Leon, summer intern from Union City High School

### ***Graduate independent study projects advised***

Bernabas Wolde, EAES 792, “Life Cycle Analyses”, Fall 12

Melissa Harclerode, EAES 792, “Societal Costs of Environment Footprint Tools”, Spring 13

Gin Sanchez, EAES 792, “Life Cycle Analysis of Solid Waste Management Systems”, Spring 13

Bernabas Wolde, EAES 792, “Agricultural and Forestry Economics”, Spring 13

Pricila Iranah, EAES 792, “Analyzing And Quantifying Decision Making Elements In Natural Resource Management”, Fall 2013

Sushant K Singh, EAES 792, “Policy Analysis And Modeling Technique”, Spring 14

Anthony Ndiege, EAES 792, “Environmental Economics and Sustainability”, Spring 14

Taylor Wiczerak, EAES 590, Valuation of Green and Grey Infrastructure, Spring 16

Matthew Cristaldi, EAES 590, Bioenergy Economics and Policy, Spring 16

Christie Castellano, EAES 590, Willingness to Pay for Jellyfish Management in Barnegat Bay, Spring 16

Taylor Wiczerak, EAES 590, Ecosystem Management and Green Infrastructure, Spring 16

Christie Barry, EAES 590, Willingness to Pay Survey for Jellyfish Management, Fall 16

### ***Other Research Supervision***

Bernabas Wolde, grant funded hourly graduate research assistant, Summer 2013

Pralhad Burli, grant funded hourly graduate worker, Summer 2013

Deborah A. Lewis, hourly undergraduate worker, Fall 2013

Bernabas Wolde, grant funded hourly graduate worker, Summer 2014

Pralhad Burli, grant funded hourly graduate worker, Summer 2014

Pricila Iranah, grant funded hourly graduate worker, Summer 2014

Sushant K. Singh, grant funded hourly graduate worker, Fall 2014

Gin D. Sanchez, grant funded hourly graduate worker, Spring 2014

Rachel Maynard, grant funded hourly undergraduate worker, Spring 2015

Matthew Mcnicholas, hourly undergraduate worker, Spring 2015

Taylor Wiczerak, grant funded hourly graduate worker, Spring 2015

Bernabas Wolde, grant funded hourly graduate research assistant, Summer 2015

Pralhad Burli, grant funded hourly graduate worker, Summer 2015

Ashley Lynn Chrzaszcz, grant funded hourly graduate research assistant, Summer 2016

Taylor Wiczerak, grant funded hourly graduate research assistant, Summer 2016

Matthew Mcallister, grant funded hourly graduate research assistant, Summer 2016

### **NEW COURSE DEVELOPMENT**

Environmental Economics (EAES 575); Environmental Economics (EAES 475); Environmental Law and Policy (EAES 561)

## PUBLICATIONS

Wolde, B., P. Lal, and P. Burli. 2017. Forestland owners' willingness to consider multiple ways of supplying biomass simultaneously: implications for biofuel incentive policies, *Energy Policy* (accepted)

Lal, P., A. Ranjan, B. Wolde, P. Burli, R. Blumberg. 2017. Bioenergy and Land Use Change: An Overview. In Z. Qiu, U Mishra, A.G. Noble (eds.) *Bioenergy and Land Use Change*. AGU Books, Springer (accepted).

Lal, P. Wolde, B., Masozera, M., Burli, P., Alavalapati, J., Ranjan, J, Montambault, J., Banerjee, O., Ochuodho, T., Mugabo, R., 2017. Valuing visitor services and access to protected areas: The case of Nyungwe National Park in Rwanda, *Tourism Management*, doi: [10.1016/j.tourman.2017.01.019](https://doi.org/10.1016/j.tourman.2017.01.019)

Wolde, B., P. Lal., J. Alavalapati, P. Burli, and P. Iranah. Soil and water conservation using the socioeconomics, sustainability concerns, and policy preference for residual biomass harvest *Journal of Soil and Water Conservation* 71(6): 476-483

Lal, P., B. Wolde, J. Alavalapati, P. Burli, J. Munsell. 2016. Forestland owners' willingness to plant pine on non-forested land for woody bioenergy in Virginia. *Forest Policy and Economics* 73:52-57.

Harclerode, M., P. Lal, N. Vedwan, B. Wolde, and M. Miller. 2016. Evaluation of the Role of Risk Perception in Stakeholder Engagement to Prevent Lead Exposure in an Urban Setting. *Journal of Environmental Management*, <http://dx.doi.org/10.1016/j.jenvman.2016.07.045>

SriniviasRao, P., Vinutha, K.S., Anil Kumar, G.S., Chiranjeevi, T., Uma, A., Lal, P., Prakasham, R.S., Singh, H.P., SreenivasaRao, R., Chopra, S. and S. Jose. 2016. Sorghum: A Multipurpose Bioenergy Crop. In I. Ciampitti and V. Prasad (eds.). *Sorghum: State of the Art and Future Perspectives*, Agronomy Monograph 58. Doi: 10.2134/agronmonogr58.2014.0074

Wolde, B., P. Lal, J. Gan, J. Alavalapati, E. Taylor, and P. Burli. 2016. Determinants of enrollment in public incentive programs for forest management and their effect on future programs for woody bioenergy: evidence from Virginia and Texas. *Canadian Journal of Forest Research* 46(6): 775-782

Burli, P., P. Lal, B. Wolde, J. Alavalapati. 2016. Sustainability Protocols and Certification Criteria for Switchgrass-Based Energy, *BioResources* 11(3): 7102-7123.

Wolde, B., P. Lal., J. Alavalapati, P. Burli, and J. Munsell. 2016. Factors affecting forestland owners' allocation of non-forested land to pine plantation for bioenergy in Virginia, *Biomass and Bioenergy*. 85:69-75

Harclerode, M. A., P. Lal and M. E. Miller. 2016. Quantifying Global Impacts to Society from the Consumption of Natural Resources during Environmental Remediation Activities, *Journal of*



*Industrial Ecology* 20(3):410-422.

Lal, P., E. Kebede, B. Wolde, P. Burli, J. Alavalapati, J. Gan and E. Taylor. 2015. Assessing Socioeconomic Impacts of Forest Biomass Based Biofuel Development on Rural Communities in the Southern United States. In J. Janick and A. Whipkey (eds.) *Proceedings of the Seventh National New Crops Symposium New Crops: Bioenergy, Biomaterials, and Sustainability* pp. 382-398.

Ranjan, A., P. Lal and A. Susaeta. 2015. Metro rail Delhi Metro Rail Travel Behavior Analysis: Impact of Individual and Trip Behavior. In A.K. Dutt, A.G. Noble, F.G. Costa, S.K. Thakur and H. S. Sharma (eds). *Spatial Diversity and Dynamics in Resources and Urban Development* (Regional Resources - Volume I), Netherlands: Springer pp. 291-310

Boufadel, M., P. Lal, M. P. Weinstein, F. Saleh, T. Wiczerak, C. Ding, R. Maynard, P. Burli, 2015. Assessment of economic, ecological, and social capital incongruence with design studies for reducing storm surge and flooding risks to New Jersey coastal communities., Office of Engineering and Construction, New Jersey Department of Environmental Protection, Trenton, NJ. 129 pp.

Lal, P., P. Burli, and J. Alavalapati. 2015. Policy Mechanisms to Implement and Support Biomass and Biofuel Projects in United States, In S. Jose, and Bhaskar, T. (eds.). *Biomass and Biofuels: Advanced Biorefineries for Sustainable Production and Distribution*, CRC Press Boca Raton, FL pp. 279-301

Lal, P. and J. R. R. Alavalapati, 2014. Economics of forest biomass-based energy. *Handbook on Forest Resource Economics*. In S. Kant and J. Alavalapati (eds.). Routledge London and New York pp. 275-289.

Lal, P. Alavalapati, J. and A. Susaeta. 2014. Impact of Bioenergy Markets on the future of Southern United States Forests. *Middle States Geographer* 47:26-37

Susaeta, A., J.C. Chang, D. Carter and P. Lal. 2014. Economics of carbon sequestration under fluctuating economic environment, forest management and technological changes: An application to forest stands in the southern United States. *Journal of Forest Economics* 20(1): 47-64.

Susaeta, A., P. Lal, J. Alavalapati and D. R. Carter. 2013. Modelling the impacts of bioenergy markets on the forest industry in the Southern United States. *International Journal of Sustainable Energy* 32(6): 544-561.

Harclerode, M. A., P. Lal and M. E. Miller. 2013. Estimating Social Impacts of a Remediation Project Life Cycle with Environmental Footprint Evaluation Tools. *Remediation Journal* 24 (1): 5-20.

Aguilar, F., M. Blazier, J. Alavalapati and P. Lal. 2013. An assessment of global wood-based bioprocessing, bioenergy and bio-fuel activities. In R. Vlosky, R. Panwar, and E. Hansen (eds).

(eds). *Global Forest Products: Trends, Management, and Sustainability*. CRC Press, Taylor and Francis Group.

Lal, P., J. Alavalapati, and T. Upadhyay. 2013. Woody Biomass for Bioenergy: A policy Overview. Chapter XI. In: Evans, J.M., R.J. Fletcher, Jr., J.R.R. Alavalapati, A.L. Smith, D. Geller, P. Lal, D. Vasudev, M. Acevedo, J. Calabria, and T. Upadhyay. *Forestry Bioenergy in the Southeast United States: Implications for Wildlife Habitat and Biodiversity*. National Wildlife Federation, Merrifield, VA. pp 248-261.

Evans, J.M., R.J. Fletcher, Jr., J.R.R. Alavalapati, A.L. Smith, D. Geller, P. Lal, D. Vasudev, M. Acevedo, J. Calabria, and T. Upadhyay. 2013. *Forestry Bioenergy in the Southeast United States: Implications for Wildlife Habitat and Biodiversity*. National Wildlife Federation, VA.

Alavalapati, J.R.R., P. Lal, A. Susaeta, R. Abt, and D. Wear. 2013. Forest biomass-based energy (153 p). In *Southern Forest Future Project* edited by D. Wear and J. Griess, U.S. Forest Service Technical Report, GTR-SRS-178, 1318 p.

Susaeta, A., P. Lal, D. Carter, and J. Alavalapati. 2012. Modeling nonindustrial private forest landowner behavior in face of woody bioenergy markets. *Biomass and Bioenergy* 46: 419-428.

Susaeta, A., P. Lal, J. Alavalapati, D. Carter, and E. Mercer. 2012. Economics of Intercropping Loblolly Pine and Switchgrass for Bioenergy Markets in the Southeastern United States *Agroforestry Systems* 86(2): 287-298.

Weinstein, M., Hoke, R.A., Hazen, R., Qiu, Z., Lal, P., Bilinski, J., Bentivegna, C., Gallagher, M., Harman, C.R., Howson, U., Kennen, J., and N.C. Luke. 2012. "Critical Habitat for Flora and Fauna in New Jersey: Revisiting the Definition" submitted to New Jersey Department of Environmental Protection as part of Scientific Advisory Board - Ecological Processes Subcommittee.

Lal, P., Alavalapati, J., Marinescu, M., Matta, J.R., Dwivedi, P., and A. Susaeta. 2011. Developing sustainability indicators for woody biomass harvesting in the United States. *Journal of Sustainable Forestry* 30(8):736-755.

Susaeta, A., Lal, P., Alavalapati, J. and E. Mercer. 2011. Public preferences towards environmental externalities: a choice experiment study of woody biomass based electricity in the Southern United States. *Energy Economics* 33(6): 1111-1118.

Lal, P., J. Alavalapati, and E. Mercer. 2011. Socio-Economic Impacts of Climate Change on Rural United States. *Journal of Mitigation and Adaptation Strategies for Global Change* 16(7): 819-844.

Lal, P., J. Alavalapati, and E. Mercer. 2011. Socio-Economic Impacts of Climate Change on Rural Communities in the United States. In: Alig, R.J.; tech. coord. *Economic modeling of effects effects of climate change on the forest sector and mitigation options: a compendium of briefing*

*briefing papers*. Gen. Tech. Rep. PNW-GTR 837. Portland, OR: U.S. Department of Agriculture, Agriculture, Forest Service, Pacific Northwest Research Station 73-118.

Mercer, E., P. Lal, and J. Alavalapati. 2011. Socio-Economic Impacts of Climate Change on Rural Communities in the United States. In: Alig, R.J.; tech. coord. *Economic modeling of effects of climate change on the forest sector and mitigation options: a compendium of briefing papers*. Gen. Tech. Rep. PNW-GTR 837. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 119-164.

Susaeta, A., J. Alavalapati, P. Lal, J. R. Matta, and E. Mercer. 2010. Assessing Public Preferences for Forest Biomass Based Energy in the Southern United States. *Environmental Management* 45(4): 697-710

Dwivedi, P., J. Alavalapati, and P. Lal. 2009. Cellulosic ethanol production in the United States: Conversion technologies, current production status, economics, and emerging developments. *Energy for Sustainable Development* 13 (3): 174-182.

Alavalapati, J., and P. Lal. 2009. Woody Biomass for Energy: An Overview of Key Emerging Issues. *Virginia Forests*. Fall 2009:4-8.

Alavalapati, J. R. R., A. Hodges, P. Lal, P. Dwivedi., M. Rahmani, I. Kaufer., J.R. Matta A. Susaeta, S. Kukrety, and T. J. Stevens. 2009. *Bioenergy Roadmap for Southern United States*. Southeast Agriculture & Forestry Energy Resources Alliance (SAFER), Southern Growth Polices Board, North Carolina.

Lal, P., J. R.R. Alavalapati, M. Marinescu, P. Dwivedi, and J. R. Matta. 2009. *Sustainability Indicators for Woody Biomass Harvesting*. Pinchot Institute of Conservation.

Lal, P., J. Melio, and G. Urassa. 2008. *Agroforestry feasibility in Rukwa Region of Tanzania*. Feasibility report submitted to Agrisol Energy LLC.

Saigal, S., M. Borgoyary, and P. Lal. 2007. Participatory forestry and management in India. Pp 34-57. In: H, Scheyvens, K. Hyakumura and Y. Seki (eds). *Decentralization and State Sponsored Community Forestry in Asia*. Institute for Global Environmental Strategies, Kanagawa, Japan.

Lal, P., K. Singh, and K. Prasad. 2007. Shapin river basin: Failure of community institution leads to conflicts on irrigation water- A Case of Ghat Kuraba. Pp 298-304. In: Joy, K. J., B. Gujja, S. Paranjape, V. Goud, and S. Vispute S (eds). *Water Conflicts in India: A Million Revolts in the Making*. Routledge Publishers, New Delhi and Oxford.

Lal, P. 2006-2007. Panchayati Raj Institutions and Joint Forest Management Committees: Forging Linkages Part 1 & 2, Special Article, *Inform*, January- March 2006: 6-7 and January 2007: 5-7.

Bose, S., P. Lal, P. S. Pareek, M. Verma, and S. Saigal. 2006. *Forest-based Associations in India: An overview*. IIED Small and Medium Forest Enterprise Series No. 18. International Institute for Environment and Development, Edinburgh, UK.

Chopde, S., M. Moench, P. Lal S. Bennett-Vasseux, B. Shankar, and E. Caspari. 2006. *Adaptation to Climate Variability and Change: Proceedings of the International Conference on Adaptation to Climate Variability and Change*. New Delhi, January 5-7, 2006. pp 1-184.

Lal, P., and S. Chopde. 2006. *Government programs and the potential interface with adaptation related needs in India*. Working paper. Winrock International India.

Lal, P., K. Singh, and K. Prasad. 2006. Failure of community institutions: Shapin river basin in Jharkhand. *Economic and Political Weekly*. XLI (7): 598-600, February 18-24 2006.

Saigal, S., M. Borgoyary, and P. Lal. 2005. *Incorporating Stakeholder Perceptions in Participatory Forest Management in India*. Winrock International India/Cambridge University Report.

Bose, S., P. Lal, and S. Saigal. 2005. Information as power: making best use of India's Right to Information law. *Participatory Learning and Action*. 53(December): 16-21.

Lal, P. 2005. Policy That Works for Forests and People: Real Prospects for Governance and Livelihoods. Mayers, J. and S. Bass (Editors): Earthscan, United Kingdom. ISBN 978-1844070961: 2004; 336 pp, paperback. *Inform*, October-December 2005: 10-11. (Book Review)

Saigal, S., K. Mitra, and P. Lal. 2005. Empowering the Forest-Dependent Poor in India. In Sayer, J. A. and S. Maginnis (eds). *Forests in Landscapes: Ecosystem Approaches to Sustainability*. Earthscan, United Kingdom. pp75-100.

Lal, P. 2004. *Assessment of Self Initiated Forest Protection Movement in Mayurbhanj District in Orissa*. Research report. Winrock International India, Delhi.

Lal, P. 2004. *Perception of NGOs, MTOs regarding Joint Forest Management in Madhya Pradesh*. Research report. Winrock International India, Delhi.

Lal, P., J. Roy, A. Dave, and K. Kapil. 2003. *Market feasibility of Lac industry in Madhya Pradesh*. Report submitted to Conservator of Forests Seoni, Madhya Pradesh Forest Department, Seoni.

\* post-doctoral associate or student underlined

## **TECHNICAL/CONFERENCE PRESENTATIONS**

Lal, P. Crop Production, Protection and Sustainable Agriculture Development. Oral Presentation Agricultural Workshop for Chinese Delegation of Agricultural and Forestry Officials from

Gansu Province China. New Jersey Institute of Technology. February 27, 2017.

Lal, P., Ranjan, A. and M. Harclerode. Incorporating Ecosystem Service Values in the Sustainability Evaluation Process for Remedial Activities, Oral Presentation. Ninth International Conference on Remediation and Management of Contaminated Sediments. New Orleans, Louisiana, January 9-12, 2017.

Harclerode, M., Miller, M.E., Lal, P. and M.L. Bogosh. Comparison of Integrated Sustainability Evaluation Tools for Contaminated Sediment Remediation: LCA, Footprint Evaluation, and Societal Cost Analysis, Oral Presentation. Ninth International Conference on Remediation and Management of Contaminated Sediments. New Orleans, Louisiana, January 9-12, 2017.

Lal, P. Researching Opportunities For bioenergy Sustainability. Oral Presentation. Liberty Middle School Climate Change Workshop, West Orange, New Jersey, December 8, 2016.

Lal, P. Integrating Ecosystem Services into Water Resource Management: Empirical Evidence from United States and Rwanda, Sixth International Conference on Changing Dimension of Water Resource: A Challenge Before Mankind, November 18-20, 2016, Patna, India (invited)

Lal, P. Exploring Place-Based Opportunities For Bioenergy Sustainability. Middle States Division of American Association of Geographers Conference, Altoona, Pennsylvania, November, 4-5, 2016

Blumberg, R., Lal, P., Martinez, M., and H. Mansur, Bridging the Rural/Urban Divide: Designing Research to Analyze Low Redemption Rates for the WIC Farmers' Market Nutrition Program, Middle States Division of American Association of Geographers Conference, Altoona, Pennsylvania, November, 4-5, 2016

Lal, P. Key development areas of strategic emerging industries in the United States Oral Presentation. Information Workshop for Chinese Delegation. New Jersey Institute of Technology. September 19, 2016.

Lal, P., Ranjan, A., and M. Harclerode. Integrating Ecosystem Services in the Sustainability Evaluation Process for Remedial Activities. Oral Presentation. Tenth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Palm Springs, California; May 22-26, 2016

Harclerode, M. A., Lal, P., Vedwan, N., Wolde, B., and Miller, M. E. *Role of Risk Perception in Non-Point Metals Source Pollution Cleanup*. Poster Presentation. Battelle Tenth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-26, 2016, Palm Springs, CA.

Harclerode, M. A., P. Lal, and M. E. Miller. Quantifying Global Impacts to Society from the Consumption of Natural Resources during Environmental Remediation Activities. 4th International Conference on Sustainable Remediation (SustRem), April 25-27, Montreal, Canada. Platform Presentation

Harclerode, M. A., Lal, P., Vedwan, N., Wolde, B., and Miller, M. E. Role of Risk Perception in Management and Stakeholder Engagement of Widespread Metals Source Pollution Cleanup. Oral Presentation. 4th International Conference on Sustainable Remediation (SustRem), April 25-27, Montreal, Canada..

Lal, P., Burli, P. and B. Wolde. 2016. Woody Biomass Based Energy in Southern United States: Why Forest Landowners Care?. Oral Presentation. The Association of American Geographers, Annual Meeting, San Francisco, USA March 29-April 2.

Wieczerak, T., Lal, P. and M. Mcnicholas. 2016. A Socio-Economic Analysis of Combined Sewer Outflow Infrastructure in Northern New Jersey. Oral Presentation. The Association of American Geographers, Annual Meeting, San Francisco, USA March 29-April 2.

Marinello, C., Wieczerak, T., Lal, P. Assessing the Economic Impacts of Gray Infrastructure. Poster Presentation. The Association of American Geographers, Annual Meeting, San Francisco, USA March 29-April 2.

Wolde, B., Lal, P. and J. Alavalapati. 2015. Forestland owners' sustainability concerns and implications for residual biomass harvest decisions. 31st Annual International Conference on Soils, Sediments, Water, and Energy, October 19-22, 2015, Amherst, MA.

Lal, P. 2015. Shore's Future: Living with Storms & Sea Level Rise Conference. Invited Panelist. Institute on Science for Global Policy, Toms River, Nov 20-21.

Lal, P., J. Alavalapati, M. Masozera. 2015. Ecosystem valuation of Nyungwe National Park and Rugezi Wetlands. Workshop on Integrating Natural Capital into System of National Accounts: A Case Study of Forestry and Wetland Landscapes in Rwanda. September 1-4, 2015 Kigali, Rwanda.

Lal, P. 2015 East Coast Sustainability Forum, August 25-26, Annandale, New Jersey Invited Panelist.

Lal, P. 2015. Shore's Future: Living with Storms & Sea Level Rise Conference. Invited Panelist. Institute on Science for Global Policy, Toms River, Nov 20-21.

Lal, P., Wolde, B., Burli, P., Alavalapati J., Kebede, E., Gan, J., Munsell, J., Taylor, E. and Ochuodho, T. 2015. Forest Biomass Based Energy in Southern United States: Why Landowners Care? USDA Sustainable Bioenergy Project Director's Meeting, Denver, CO, November 4-5.

Wolde, B., Lal, P. and J. Alavalapati. 2015. Forestland owners' sustainability concerns and implications for residual biomass harvest decisions. Oral Presentation, 31st Annual International Conference on Soils, Sediments, Water, and Energy, October 19-22, 2015, Amherst, MA

Lal, P., M. Masozera, J. Alavalapati, 2015. Moving towards Natural Capital Accounts: Economic Valuation of Forested and Wetland Landscapes in Rwanda. Middle States Association of American Geographers Division Annual Meeting. Binghamton, NY, October 2-3.

Lal, P., J. Alavalapati, M. Masozera. 2015. Ecosystem valuation of Nyungwe National Park and Rugezi Wetlands. Workshop on Integrating Natural Capital into System of National Accounts: A Case Study of Forestry and Wetland Landscapes in Rwanda. September 1-4, 2015 Kigali, Rwanda.

Lal, P. 2015 East Coast Sustainability Forum, August 25-26, Annandale, New Jersey (panelist)

Lal, P. 2015. Do GSR Frameworks Adequately Represent Ecosystem Services. Panelist. Battelle Bioremediation and Sustainable Environmental Technologies Conference, Advancing the Sustainability Evaluation Process for Remedial Activities, May 18-21, Miami, FL. Invited Panelist.

Miller, M. E., Harclerode, M.A. and P. Lal. 2015. How Can a Green Remediation Project Benefit by Incorporation of Sustainability, Oral Presentation. Battelle Bioremediation and Sustainable Environmental Technologies Conference, Advancing the Sustainability Evaluation Process for Remedial Activities, May 18-21, 2015, Miami, FL.

Harclerode M., Lal, P., and Miller M. 2015 Advancing the Sustainability Evaluation Process for Remedial Activities, Battelle Bioremediation and Sustainable Environmental Technologies Conference. May 18-21, Miami, FL

Maynard, R., Lal, P., Pope, G., Burli, P. and B. Wolde. 2015. A Hedonic study of the surrounding contaminated area of Liberty State Park and the environmental qualities present. Poster Presentation. Montclair state University 9<sup>th</sup> Annual Research symposium, April 26, 2015.

Lal, P., Burli, P. and B. Wolde. 2015. Forest and agricultural biomass based energy production and associated tradeoffs and sustainability issues. Oral Presentation. The Association of American Geographers, Annual Meeting, Chicago, Illinois, USA April 21-25.

Maynard, R., Lal, P., Pope, G., Burli, P. and B. Wolde. 2015. Relationship between the contaminated area of Liberty State Park, economic value of environmental amenities and impact on surrounding real estate areas. Oral Presentation. The Association of American Geographers, Annual Meeting, Chicago, Illinois, USA April 21-25.

Lal, P. 2015. Environment, Economy and Energy: Value of Regional and Local Solutions to Global Challenges, Session Chair, The Association of American Geographers, Annual Meeting, Chicago, Illinois, USA April 21-25.

Burli, P., B. Wolde, P. Lal, and J. Alavalapati. 2015. Ecosystem service changes resulting from growing and harvesting pine on non-forested land for woody bioenergy in Virginia. Poster presentation. Natural Capital Symposium, Stanford University, March 23-25.

Kakkar, G., Sanwal, T., Liang, L., Withers, J., Burli, P., Wolde, B., Quesada-Pineda, H., Smith, R., Lal, P., Gan, J., Ochuodho, T., Patel, B. and J. Alavalapati. 2015. Computational Sustainability: Preliminary Lessons From the US-India Consortium For Development Of Sustainable Advanced Biofuel Production Systems. Poster presentation. XXIX Gujarat Science Congress, Scoping Future Challenges for Research & Education in Science and Technology, February 28 –March 1.

Maynard, R., Lal, P., Pope, G., Wolde, B. and P. Burli. 2014. Relationship between contamination at Liberty State Park, economic value of environmental amenities, and impact on surrounding real estate areas. Middle States Division of American Association of Geographers Conference, York, Pennsylvania October 24-25.

Lal, P., P. Burli, B. Wolde. 2014. Bioenergy Tradeoffs and Sustainability: Can We Use Forest and Agricultural Feedstocks to Displace Fossil Fuels in US? Oral presentation. Middle States Division of American Association of Geographers Conference, York, Pennsylvania October 24-25.

Lal, P., Wolde, B., Burli, P., Kebede, E., Alavalapati J. and J. Gan. 2014. Assessing Socioeconomic Impacts Of Forest Bioenergy Development On Rural Communities In The Southern United States. Poster presentation. USDA Sustainable Bioenergy Project Director's Meeting, Washington D.C., October 29-31.

Lal, P., Burli, P. and B. Wolde. 2014. Developing certification and sustainability standards for agricultural and forest biomass based energy production in United States. Indo-US conference on Advanced Lignocellulosic Biofuel, Council of Scientific and Industrial Research- Indian Institute of Chemical Technology, Hyderabad, November 10-11.

Lal, P. 2014. Estimating Households Willingness to pay for Improved Solid Waste Disposal Services in Dominican Republic: A choice Experiments Approach, Oral Presentation at Indian Institute of Technology Patna, India. April 22, 2014. (Invited)

Lal, P. 2014. Market and Policy Instruments for Environmental Management: Learnings from Woody Bioenergy in United States and Solid Waste Management in Dominican Republic. Oral Presentation, Centre for Economic and Social Sciences Hyderabad Research Seminar. April 24, 2014. (Invited)

M. Masozera, Lal, P., Alavalapati, J. and C. Ingram. 2014. Integrating natural capital into system of national accounts. Oral Presentation. Meeting called by Director General of Rwanda Natural Resources Authority and Chairman of Rwanda Natural Capital Accounting Steering Committee . May 27, 2014, Kigali Rwanda.

Lal, P., Sanchez, G., and A. Susaeta. 2014. Willingness to pay for improved solid waste management: Experimental evidence from a choice experiment in the Dominican Republic. Oral presentation The Association of American Geographers, Annual Meeting, Tampa, Florida, USA.



Sanchez, G., and P. Lal. 2014. Life Cycle Assessment of Solid Waste Management System in the Dominican Republic. Oral Presentation, Oral presentation The Association of American Geographers, Annual Meeting, Tampa, FL, April 8-12.

Harclerode M., Lal P, and M. Miller. 2014. Social Costs of Environmental Metrics: Representation and Challenges. Poster presentation. Battelle Bioremediation and Sustainable Remedial Technologies Conference, Jacksonville FL, June 10-13

Lal, P. 2013. Developing forest forecasting model for India. Forest Futures Forecasting and Modeling Workshop. Oral presentation. Blacksburg Virginia, Dec. 2-6 (Invited).

Alavalapati, J., Susaeta, A, Lal, P. and D. Carter. 2013. Modeling the Impacts of Bioenergy Markets on the Forest Industry in the Southern United States, Society of American Foresters National Convention North Charleston, SC, October 23-27.

Lal, P., Kebede, E., Alavalapati, J., Gan, J., Wolde, B., and E. Taylor. 2013. Assessing Socioeconomic Impacts of Forest Biomass Based Biofuel Development on Rural Communities in the Southern United States, Oral Presentation. The Association for the Advancement of Industrial Crops Annual Meeting, Washington D.C, October 12-16. (Invited)

Lal, P. 2013. Economic implications of expanded forest biomass based energy production in Southern United States. Oral presentation. New Jersey Institute of Technology Fall Seminar Series. September 17. Invited.

Iranah, P., and P. Lal. 2013. Biodiversity conservation policy and action: case study of Mauritius. 26<sup>th</sup> International Congress for Conservation Biology, Baltimore, MD, Jul 21-25.

Harclerode, M., Beattie, J., Watt, M., Coan, S., Lal P, and Burlingame, M. 2013. Estimating Societal Impacts of a Remediation Project's Lifecycle using Environmental Footprint Evaluation Tools, Oral presentation. Session E3: Using Footprint Analysis Results to Improve Sustainability. Battelle Bioremediation and Sustainable Remedial Technologies Conference, Jacksonville FL, June 10-13.

Harclerode, M., Coan, S., and P. Lal. 2013. Optimizing Site Characterization for Sustainability by Phased Focusing of Field Investigations, Oral Presentation. Montclair State University Student Research Symposium, Montclair NJ, April 20.

Iranah, P., and P. Lal. 2013 Bridging Gaps Between Policy and Action for Native Forest Conservation On Mauritius, Oral Presentation. Montclair State University Student Research Symposium, Montclair NJ, April 20.

Wolde, B., and P. Lal. 2013. Sustainability Assessment of Woody Biofuels in Southern United States, Oral Presentation. Montclair State University Student Research Symposium, Montclair NJ, April 20.

Oleksy, R., and P. Lal. 2013. Privatization of the Remedial Process: Analysis of Licensed Site Remediation Program, Poster Presentation. Montclair State University Student Research Symposium, Montclair NJ, April 20.

Sanchez, G.D., and P. Lal. 2013. Economic and Environmental Analyses of Municipal Solid waste Management in the Dominican Republic, Oral Presentation. Montclair State University Student Research Symposium, Montclair NJ, April 20.

Lal, P. 2013. Economic and Environmental Analysis of Biofuels in Southern United States, Oral presentation. Association of American Geographers Annual Meeting, Los Angeles, April 9-13.

Iranah, P., and P. Lal. 2013. Bridging gaps in biodiversity conservation policy and action: case study of Mauritius. Oral presentation, American Museum of Natural History. Center for Biodiversity and Conservation Science Symposium on Understanding Ecological and Social Resilience in Island Systems: Informing Policy and Sharing Lessons for Management. New York City, April 9-11.

Alavalapati, J. and P. Lal. 2013. Economic, Environmental and Policy Analyses, Oral presentation, Joint Project Meeting of US-India JCERDC for Development of Sustainable Advanced Lignocellulosic Biofuel Systems, Gainesville, FL, Jan 28 –31.

Lal, P. 2013. Biofuel Certification Protocols and Sustainability Standards – What, How, and When, Oral presentation. Indo-US Joint Clean Energy Research & Development Partner's Workshop, Hyderabad, Jan 3-4.

Lal, P. and H. Pineda-Queseda. 2013. Supply Chain Management Analyses for Bioenergy Production? Oral presentation, Indo-US Joint Clean Energy Research & Development Partners Meeting Workshop, Hyderabad, India, Jan 3-4.

Alavalapati, J. and P. Lal. 2013 Mechanics of Profitability Analyses for Biofuels, Oral presentation. Indo-US Joint Clean Energy Research & Development Partners Meeting Workshop, Hyderabad, India, Jan 3-4.

Lal, P. 2013. Biofuel Certification Protocols and Sustainability Standards – What, How, and When, Oral presentation. Indo-US Joint Clean Energy Research & Development Partner's Workshop, Hyderabad, Jan 3-4.

Lal, P. 2012. Bioenergy Research at Montclair State University. Webinar. New Jersey Technology Community Tech Industry Webinar Series on Energy/Environment. December 11.

Lal, P. 2012. Modeling Bioenergy and Traditional Forest Markets Tradeoffs in the Southern United States, Oral presentation. World Conference in Natural Resource Modeling, Brisbane, University of Queensland, Australia. Jul 9-12.

Lal, P. 2012. Social Aspects of Bioenergy Sustainability Workshop. April 24, Department of Energy, Washington DC. Invited panelist.

Lal, P., Susaeta, A., and J. Alavalapati. 2012. Modeling Bioenergy and Traditional Forest Industry Tradeoffs in the Southern United States. Modeling the Future of Southern U.S. Forests in Face of Bioenergy Markets, Oral presentation. Association of American Geographers Annual Meeting, New York, February 24-28.

Lal, P., Alavalapati, J. Abt, R., Wear, D. and K. Abt. 2011. Modeling the Future of Southern U.S. Forests in Face of Bioenergy Markets, Oral presentation. Association of American Geographers Annual Meeting, Seattle, Washington April 11-14.

Lal, P. 2011. U.S. Energy Production and Employment, Session Chair. Association of American Geographers Annual Meeting, Seattle, Washington April 12-16.

Lal, P. 2011. Economic Modeling of Forest Biomass Supply for Bioenergy in Southern United States. Oral presentation Spring 2011 FREC Seminar Series, Virginia Tech, Blacksburg, March 21 (invited).

Alavalapati, J. and P. Lal. 2010. Economics of Medicinal Plants and Herbal Products. Oral presentation, Second International Seminar on Medicinal Plants & Herbal Products. S.V. University, Tirupati, India. December 27-29 (invited).

Lal, P. 2010. Woody Biomass Supply for Bioenergy in U.S. South. Oral presentation. SFRC Research Seminar, Gainesville, FL, October 20 (invited).

Lal, P. 2010. Biomass Sustainability Project Coordination Meeting, Raleigh NC. Panelist. September 22.

Alavalapati, J., Lal, P., Susaeta, A. and R. Abt. 2010. Bioenergy Meta Theme- Findings. Oral presentation. United States Forest Service Southern Forests for Future Project, Atlanta, GA July 27-29 (invited).

Alavalapati, J., Banerjee, O., Dwivedi, P., Huang, M., Kukrety, S., Lal, P. and A. Susaeta. Oral presentation. Lessons learned from quantitative analyses of forest bioenergy markets. IUFRO 2010 Congress. Seoul, South Korea. Aug 23-28.

Mercer, E., Lal, P. and J. Alavalapati. 2010. Competitiveness of Carbon Offset Projects on NIPF Lands, Oral presentation, Southern Forest Economics Workers 2010 Annual Meeting, Pinehurst, NC. March 15- 17.

Lal, P., Alavalapati, J., Dwivedi, P., Reddy, K.R.R., Fletcher, R., Martin, M. and A. Lindener. 2009. Developing indicators for measuring the sustainability of bioenergy products derived from pine forests in US South. Oral presentation, Southeastern Ecology and Evolution Conference, Gainesville, FL March 27-29.

Lal, P., Dwivedi, P. and M. Martin. 2009. Developing indicators for measuring the sustainability of bioenergy products derived from pine forests in US South. Poster presentation, Annual

National Sustainable Design Expo, Washington DC, April 18-20 (invited).

Alavalapati, J., Hodges, A.W., Lal, P., Dwivedi, P., Susaeta, A. and I. Kaufer.. 2008. Southern Bioenergy Roadmap. Southern Bioenergy Roadmap Stakeholder Meeting. Oral presentation, Memphis, NC Aug 4-5 (invited).

Alavalapati, J., Hodges, A.W., Lal, P., Dwivedi, P., Susaeta, A. and I. Kaufer.2008. Southern Bioenergy Roadmap Inventory. Biomass South Oral presentation, Raleigh, NC, Sept 21-23, (invited).

Lal, P. 2006. The World Conservation Union (IUCN) India Country Strategy Conference, New Delhi, India. May 1, Invited Panelist.

Lal, P. 2006. Discussion meeting on “Biodiversity in India: Issues and Emerging Trends” in collaboration with the UK Government Department for Environment, Food and Rural Affairs (DEFRA) and the British High Commission, New Delhi, India. Feb 3 (Organizer and participant)

Lal, P. 2006. National Level Consultative Workshop on Joint Forest Management (JFM) in collaboration with Ministry of Environment and Forest, New Delhi, India, October 17, (Organizer and participant)

Lal, P. 2006. International Conference on Adaptation to Climatic Variability and Change, India Habitat Centre, New Delhi, India., January 5-7, (Organizer and participant)

Lal, P. 2004. Land and Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Harda, India Nov 5, (invited).

Lal, P. 2004. Land and Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Bhopal, India, Nov 6, (invited).

Lal, P. 2004. Land and other Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Bhopal, India December 13, (invited).

\* post-doctoral associate or student underlined

## **ENVIRONMENTAL POLICY INPUTS**

Primary author of the University of Florida’s response to U.S. House of Representatives questionnaire on climate change options. This response was sent by Dean of Research on behalf of College of Natural Resources, University of Florida.

## **SERVICE**

### **University Service, Montclair State University**

- Member University Senate, Montclair State University, 2011-present
- University Senate Election Committee, Montclair State University, 2012-present

- University Senate Academic Affairs Committee, Montclair State University, 2012-present
- University Student Research Symposium Session Chair, 2013.
- University Student Research Symposium Student abstract reviewer, 2013-2015.

### **College of Science and Mathematics, Montclair State University**

- Member Advisory Board, PSEG Institute of Sustainability Studies, Montclair State University, 2015-present
- College of Science and Mathematics Search Committee Chair, Assistant Director PSEG Institute of Sustainability Studies, Montclair State University, 2016
- College of Science and Mathematics Search Committee, Director PSEG Institute of Sustainability Studies, Montclair State University, 2015
- Outstanding Student Poster judge, Passaic River Symposium, 2014
- College of Science and Mathematics Search Committee, Director PSEG Institute of Sustainability Studies, Montclair State University, 2014
- Admission Committee member, Doctoral Program in Environmental Management, 2014-present
- College of Science and Mathematics Search Committee, PSEG Director Institute of Sustainability Studies, Montclair State University, 2014
- Presentation to Passaic River Institute REU: Multidisciplinary Environmental Research Program participants, 2014
- Presentation to Passaic River Institute REU: Multidisciplinary Environmental Research Program participants, 2012

### **Department of Earth and Environmental Studies, Montclair State University**

- Earth and Environmental Studies Geography Program Advisor 2012-present
- Earth and Environmental Studies Search Committee Chair, Sustainability Science (tenure track) 2015
- Earth and Environmental Studies Department Undergraduate Research Committee, 2014-present–
- Earth and Environmental Studies Department Student Recruitment Committee, 2013-present
- Earth and Environmental Studies Search Committee, Director Institute of Sustainability Studies, Montclair State University 2012
- Earth and Environmental Studies Department Curriculum Committee, 2011-2013
- Presenter, Undergraduate/Graduate Admissions Open House events, 2012, 2014
- Undergraduate Student Awards Committee, 2012

### **SERVICE TO PROFESSIONAL COMMUNITY**

#### **Granting agency proposal review**

- National Science Foundation Proposal Review, 2016.
- United States Department of Agriculture National Institute of Food and Agriculture Environmental and Natural Resource Economics Review Panel, 2015
- United States Department of Agriculture National Institute of Food and Agriculture Environmental and Natural Resource Economics Review Panel, 2014
- United States Department of Agriculture Natural Resources Science for Climate Variability and Change Review Panel, 2013.

- Mississippi Alabama Sea Grant Proposal, 2013.
- National Science Foundation Sustainable Energy Pathway Review Panel, 2012.

### **International Proposal Reviews**

- Indian Institute of Forest Management Small Grants Program, 2014.
- Centre for Energy and Environment at Indian Institute of Technology Patna, India (1 proposal)
- South Asian Network for Development and Environmental Economics Proposal, 2012.

### **Other Professional Service**

- Vice President, Middle States Association of American Geographers 2017-
- Secretary, Middle States Association of American Geographers 2016-2017
- Battelle Bioremediation and Sustainable Environmental Technologies Conference 2015, Invited panelist on GSR Frameworks Adequately Represent Ecosystem Services.
- Advancing the Sustainability Evaluation Process for Remedial Activities 2015, Invited Panelist.
- The Association of American Geographers, 2015 Annual Meeting, Environment, Economy and Energy: Value of Regional and Local Solutions to Global Challenges, Session Chair.
- Association of American Geographers, 2015 Graduate Student Paper Award Judge.
- Assessment of Economic, Ecological, and Social Capital in Congruence with Design Studies for Reducing Storm Surge and Flooding Risks to New Jersey Coastal Communities Town Hall Meeting 2014, Cumberland College
- Assessment of Economic, Ecological, and Social Capital in Congruence with Design Studies for Reducing Storm Surge and Flooding Risks to New Jersey Coastal Communities Town Hall Meeting 2014 , New Jersey Institute of Technology
- Assessment of Economic, Ecological, and Social Capital in Congruence with Design Studies for Reducing Storm Surge and Flooding Risks to New Jersey Coastal Communities Town Hall Meeting 2014 , Monmouth University
- Institute Lecture at Indian Institute of Technology Patna, India, 2014.
- Invited Presentation at Centre for Economic and Social Sciences Hyderabad, India, 2014.
- Invited speaker at 2013 New Jersey Institute of Technology Fall Seminar Series.
- Training program on “Sustainability, Marketing and Policy” in biofuel systems at Indian Institute of Chemical Technology Hyderabad, 2013.
- Social Aspects of Bioenergy Sustainability Workshop, 2012, Department of Energy, Washington DC. Invited panelist.
- The Association of American Geographers, 2011 Annual Meeting, U.S. Energy Production and Employment, Session Chair.

### **News Media Coverage**

- Spring 2017 White House Press Release. President Obama honors Federally-Funded Early Career Scientists
- Spring 2017 India Global Business Magazine, Global Indian Interview, Published by India Inc.
- Spring 2017 Montclair State University Professor Receives PECASE Award, Published by Ethanol Producer Magazine, Montclair Patch, 101.8 Radio, Montclaire.News.

- Spring 2017 Indian-American Scientists Chosen For Presidential Award by Barack Obama, Published by Times of India, India Abroad, Hindustan Times, NDTV, TV 18, Zee News, India West. Indian Express, India Panaorama, IndiaWest, Asian Age, The Pioneer, India Times etc.
- Spring 2016, NSF CAREER Award Featured in Daily Record, Published by USA Today and Montclair.news.
- Fall 2015 Research featured in “Forward Thinking”, The Research Newsletter of Montclair State University
- Fall 2013 Research featured in College of Science and Mathematics semi-annual newsletter “CSAM Insights”
- Featured in Montclair State University President's Address to the University Community, April 24, 2013
- Featured in International Crops Research Institute for Semi Arid Tropics newsletter “ICRISAT happenings”
- Fall 2012 Research featured in “Forward Thinking”, The Research Newsletter of Montclair State University
- Fall 2012 Research featured in College of Science and Mathematics semi-annual newsletter “CSAM Insights”
- Featured in Montclair State University President's Opening Day Address, September 4,2012

### **Manuscript Reviews**

*Journal of Environmental Management*

*Applied Energy*

*Society and Natural Resources*

*Climate and Development*

*Journal of Forest Economics*

*Forest Science*

*Canadian Journal of Forestry Research*

*International Journal of Environmental Science and Technology*

*Ecological Engineering*

*Ecological Economics*

*Biomass and Bioenergy*

*Forests*

*Forest Policy and Economics*

*Middle States Geographer*

*Agroforestry Systems*

*Journal of Soil and Water Conservation*

*Energy Economics*

### **Book Chapter Review**

“Impacts of climate change on people and communities in rural America” for the Rural Sociological Society decennial volume titled "Rural America in a Globalizing World” for a book published by the Rural Sociological Society.

“Valuation of Agroforestry” for the USDA Forest Service Book, Agroforestry and Climate Change: Reducing Threats and Enhancing Resiliency in Agricultural Landscapes.

**Technical Reports**

Report on the Cost of Energy for New Jersey Part I: Electric Power Generation prepared by Staff of the New Jersey Department of Environmental Protection (Draft Report)

**Student Award Paper Review**

Association of American Geographer Graduate Student Paper Award