

**PANKAJ LAL**

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**EDUCATION**

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- 2011** PhD, School of Forest Resources & Conservation (minor in Food and Resource Economics), University of Florida, Gainesville, FL
- 2004** Post Graduate Diploma in Forestry Management  
Indian Institute of Forest Management, Bhopal, India
- 2001** MA, Geography, Delhi School of Economics  
Delhi University, Delhi, India
- 2001** BA (Honors), Economics  
Delhi University, Delhi, India

**PROFESSIONAL APPOINTMENTS**

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- 09/2019 – Present** Professor, Environmental Policy and Economics, MSU, Montclair, NJ
- 07/2018 – Present** Director, Clean Energy and Sustainability Analytics Center, MSU, Montclair, NJ
- 09/2016 – 08/2019** Associate Professor, Environmental Policy and Economics (with tenure), MSU, Montclair, NJ
- 08/2016 – 07/2018** Associate Director, PSEG Institute for Sustainability Studies
- 06/2012 – Present** Doctoral Faculty, MSU, Montclair, NJ
- 06/2012 – Present** Geography Advisor, MSU, Montclair, NJ
- 09/2011 – 08/2016** Assistant Professor, Environmental Policy and Economics (tenure accruing), Montclair State University, Montclair, NJ
- 08/2009 – 07/2011** Visiting Scholar, Virginia Tech, Blacksburg, VA
- 08/2007 – 07/2011** Alumni Fellow, University of Florida, Gainesville, FL
- 09/2006-08/2007** Consultant, Government Reforms and Infrastructure, Pricewaterhouse Coopers Development Practice (PWC), Delhi, India

**05/2004-08/2006** Program Officer, Natural Resource Management, Winrock International  
India (now InsPIRE Network for Environment), Delhi, India

### **HONORS AND AWARDS**

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**2019** Lead New Jersey Fellow  
**2017** Presidential Early Career Award for Scientists and Engineers (PECASE), The White House, 2017  
**2016-2017** Advisory Board Member, Valuing the Resilience Dividend, Rockefeller Foundation and Rand Corporation  
**2016** CAREER Award, National Science Foundation  
**2016** Nominated by Montclair State University President Susan Cole for Carnegie Fellowship  
**2011** Passaic River Institute Fellow  
**2011** Elected to Phi Kappa Phi Honor Society  
**2008-2011** University of Florida International Centre Certificate of Outstanding Achievement  
**2007-2011** University of Florida Pre-doctoral Alumni Fellowship  
**2009** Elected to Xi Sigma Pi Honor Society  
**2007** Junior Professional Research Fellowship for International Training and Research Program on Groundwater Governance in Theory and Practice (declined)  
**2007** Sir Ratan Tata International Travel Award  
**2004** Chairman's Gold Medal at Indian Institute of Forest Management  
**2004** Director's Best Student Prize at Indian Institute of Forest Management  
**2002-2004** Swedish International Development Agency Fellowship  
**2001** National Eligibility Test Certificate for lectureship in Indian Universities

### **POLICY INPUTS**

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**2019-2020** Led economic assessment of the impacts of potential leakage from New Jersey rejoining the Regional Greenhouse Gas Initiative ("RGGI") pursuant to Executive Order No. 7 signed by Governor Murphy on January 29, 2018.  
**2018-2019** Contributed to integrated energy plan to help identify promising pathways capable of meeting New Jersey's to create a 100% clean energy system by 2050, per Governor Murphy Executive Order no. 28.  
**2018** Led community Solar Credit assessment to inform draft rules by Board of Public Utilities via P.L.2018, c.17 Section 5, subsection b.5, to enable utility customers to participate in a solar energy project that may be remotely located from their properties and receive a credit on their utility bills for their participation in a community solar pilot project. Undertook community solar credit analysis so that the BPU could determine "the value of the credit on each participating customer's bill." Additionally, the analysis provided insights into cost variations for different types of projects (e.g. low medium income, brownfield, landfill, parking lot canopy, etc.).  
**2018** Invited Reviewer for National Academies' committee preparing Fourth National Climate Assessment (NCA4) Report under U.S. Global Change Research Program (USGCRP). The NCA4 examines climate change impacts across a broad range of sectors and U.S. regions.

- 2017** Socioeconomic impact study of summer flounders increased size limit for New Jersey Department of Environmental Protection (NJDEP) that was used by Department of Commerce overturning Atlantic States Marine Fisheries Commission restriction and siding with NJDEP harvest limits of summer flounder along the Atlantic coast.
- 2011** 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.

#### **RESEARCH GRANTS AND CONTRACTS (>\$13.5 MILLION)**

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- 2021-2022** PSEG Foundation gift "Clean Energy and Climate Solutions", 2021-2022, \$100,000, Principal Investigator.
- 2020-2022** Orsted gift, "Clean Energy and Sustainability Research", \$200,000, Principal Investigator.
- 2018-2021** PSEG Foundation gift "Clean Energy and Sustainability Analytics Center & Green Teams Program", 2018-2021, \$1,300,000 (CESAC' share \$656,481), Joint Principal Investigator.
- 2017-2021** National Science Foundation competitive grant "Assimilating Computational and Mathematical thinking into Earth and Environmental Science (ACMES)", \$1,147,085, Co-Principal Investigator.
- 2016-2021** National Science Foundation competitive grant, "CAREER: Exploring Place-based Opportunities for Bioenergy Sustainability", \$450,000, Principal Investigator.
- 2019-2020** German Corporation for International Cooperation GmbH or GIZ competitive grant, "Achieving Green Growth through Terrestrial Natural Capital Restoration in Rwanda", Principal Investigator.
- 2019-2020** New Jersey Board of Public Utilities grant, "To Perform Renewable Green House Gas Initiative (RGGI) Related Economic and Energy Dispatch Modeling", \$249,625, Principal Investigator.
- 2018-2020** New Jersey Board of Public Utilities grant, "The Clean Energy and Sustainability Analytics: To Advance Research on the Clean Energy Economy", 2018-20, \$239,935, Principal Investigator.
- 2017-2020** United States Department of Agriculture competitive grant, "Ecosystem Service Tradeoffs, Landowner Incentives, and Optimal Policy Design to Promote Sustainable Longleaf Pine Agro-ecosystems", \$500,000, Co-Principal Investigator.
- 2012-2020** United States Department of Agriculture competitive grant, "Assessing Socioeconomic Impacts of Forest Biomass Based Biofuel Development on Rural Communities in the Southern United States", \$600,000, Principal Investigator.
- 2018-2019** Sediment Management Work Group grant, "Sustainability Regulatory Integration and Reform for Superfund Sediment Remediation Projects", 2018-19, \$25,000, Principal Investigator.

- 2017-2019** National Science Foundation competitive grant, “NSF INCLUDES DDLP: Sustainability Teams Empower and Amplify Membership in STEM (S-TEAMS)”, \$300,000, Co-Principal Investigator.
- 2017-2019** United States Department of Agriculture competitive grant, “Bridging the Gap Between New Jersey Farmers and Consumers Through Research, Education and Outreach”, \$150,000, Co-Principal Investigator.
- 2017-2018** PSEG Institute of Sustainability Studies competitive grant, “Closing the Urban Water Cycle: Sewage Sludge-Derived Biochar (SSDB) for Urban Stormwater Management”, 2017-18, \$30,000, Co-Principal Investigator.
- 2017-2018** NJ Department of Environmental Protection grant, “Evaluation of New Jersey’s Flounder Summer Education Program, 2017-2018, \$27,698, Principal Investigator.
- 2017** NJ Department of Environmental Protection grant, “Rapid Economic Analysis of Summer Flounders Harvest Restrictions, \$12,940, Principal Investigator.
- 2017** PSEG Institute of Sustainability Studies grant, “Characterizing Two Community Management Groups in the Terai Regions of Nepal to Understand Differences in Flooding and Wildlife Habitat Provision Outcome”, \$7,000, Principal Investigator.
- 2017** PSEG Institute for Sustainability Studies faculty planning competitive grant, “Lead Hazard in the Urban Areas of New Jersey: A Multidimensional Approach to Sustainable Risk Management”, \$6,000, Co-Principal Investigator.
- 2017** PSEG Institute for Sustainability Studies faculty planning competitive grant, “Connecting New Jersey Farmers and Consumers Through Direct-To-Consumer Marketing Channels: A Transdisciplinary Approach”, \$6000, Co-Principal Investigator.
- 2017** PSEG Institute for Sustainability Studies faculty planning competitive grant, “Towards A Sustainable Direct Potable Reuse (DPR) Approach with Stormwater”, \$6000, Co-Principal Investigator.
- 2016-2017** Rockefeller Foundation and Rand Corporation, “Valuing the Resilience Dividend” \$7000, Advisory Board Member.
- 2014-2017** MacArthur Foundation, “Supporting Rwanda in Implementing the Gaborone Declaration”, \$195,000, (technical consulting via Wildlife Conservation Society, \$52000), Lead Consultant.
- 2015-2017** Science for Nature and People competitive grant, “Integrating Natural Capital into a System of National Accounts: A Case Study of Forestry and Wetland Landscapes in Rwanda”, \$204,858, Working Group Member.
- 2012-2017** US Department of Energy Competitive Cooperative Agreement, U.S.-India Joint Clean Energy Research and Development Center (JCERDC), \$625,000, Co-Principal Investigator.
- 2015** ExxonMobil Environmental Services Company, “East Coast Sustainability Forum”, \$5400, Invited Expert.
- 2015** 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-Principal Investigator.

- 2009-2011** United States Department of Agriculture grant, “Policies to Promote Forest Landowner Participation in Greenhouse Gas Reduction Programs” \$60,000, Co-Principal Investigator.
- 2008-2009** Environmental Protection Agency competitive People, Prosperity and the Planet Competition for Sustainability grant, “Sustainability of Bioenergy Products Derived from Pine Forests in the U.S. South”, \$10,000, Co-Principal Investigator.
- 2008** *Southern Growth Policies Board competitive grant*, “Southern Bioenergy Roadmap- Asset Inventory”, \$40,000, Co-Investigator.
- 2007-2008** National Council for Science and the Environment under Wildlife Habitat Policy Research Program grant, “Impacts of Bioenergy Production on Conservation of Wildlife Habitat”, \$40,000, Co-Investigator.
- 2006-2007** US Agency for International Development grant, “Field Data Audit of Indian NGOs supported under US President's Emergency Plan for AIDS Relief Program Development Assistance Programs in India” \$20,108, Co-Principal Investigator.
- 2006-2007** *US Agency for International Development grant*, “Facilitating Gender Sensitization Activities for NGO Representatives working in Urban Infrastructure, Water Resources and Sanitation”, \$10,000, Co-Principal Investigator.
- 2006-2007** NASSCOM Foundation grant, “Information Technology Industry’s Commitment to Societal Development” \$26,112, Co-Principal Investigator.
- 2006-2007** Security Printing and Minting Company of India Ltd grant, “Improving Profitability of Currency Printing Presses and Mints in India” (2006-2007), \$162,234, Co-Principal Investigator.
- 2005-2006** International Development Research Centre Canada grant, “Adaptation and Livelihood Resilience: Implementation Pilots and Climate-Resilience Development and Adaptation in India (2005-2006), \$46,228, Co-Principal Investigator.
- 2005-2006** United Nations Development Program grant, “Research in Regions Vulnerable to Extreme Climatic Variability and Change” (2005-2006), \$23,445, Co-Principal Investigator.
- 2005-2006** Institute for Environment and Development United Kingdom grant, “Making Small and Medium Forest Enterprise Association’s Work for the Poor in India”, \$18,990, Co-Principal Investigator.
- 2004-2006** Ford Foundation India grant, “Supporting Community Forest Management in Mayurbhanj, Orissa”, \$46,000, Co-Principal Investigator.
- 2004-2006** Ford Foundation India grant, “Resource Unit for Participatory Forestry”, \$50,000, Co-Principal Investigator.
- 2004-2006** Ford Foundation India grant, “Case studies on Participatory Forest Management in India” (2004-2005), \$82,990, Co-Principal Investigator.
- 2005** US Environmental Protection Agency grant, “Conference on Adaptation to Climatic Variability and Change: Sharing Insights from South Asia, US and Other Part of the World” \$65,882, Co-Principal Investigator.
- 2005** Society for Promoting Participative Ecosystem Management India grant, “Failure of Community Institutions: Shapin River Basin in Jharkhand”, \$250, Co-Principal Investigator.

- 2004-2005** Department for International Development United Kingdom grant, “Stakeholder Perception Study in Harda” (2004-2005), \$42,000, Co-Principal Investigator.
- 2004-2005** Institute for Global Environmental Strategies Japan grant, “Country Report on Forest Governance –India”, \$1,000, Co-Principal Investigator.
- 2004-2005** International Union for Conservation of Nature grant, “Ecosystem Approach and Sustainable Forest Management in India”, \$1,500, Co-Principal Investigator.
- 2004-2005** Institute for Environment and Development United Kingdom grant, “Sharpening Policy Tools for Marginalized Managers of Natural Resources, \$21,880, Co-Principal Investigator.
- 2004** Winrock International India grant, “Assessment of Self-initiated Forest Protection Movement in Mayurbhanj”, \$1,232, Principal Investigator.
- 2003** Winrock International India grant, “Perception of NGOs, MTOs Regarding Joint Forest Management in Madhya Pradesh,” \$821, Principal Investigator.

### **STUDENT RESEARCH/TRAVEL AWARDS)**

- 2020** John J. Lagrosa Award Recipient by NJ Water and Environment Association, \$5000, Nicole Provost-PhD student. The award is designed to support and encourage highly capable individuals to continue studies in Environmental Science or Engineering with a strong component in one or more areas of Water Quality Control and Environmental Protection.
- 2019** PhD Students (\$250-\$1500): Nicole Provost, Meghann Smith, Trang Luong, Taylor Wiczerak, Gia Nguyen, Erik Lyttek, Sydney Oluoch, Gita Bhushal, Mike Fowler, Robert Oleksy.
- 2018** PhD Students (\$250-\$1500): Meghann Smith, Taylor Wiczerak, Gia Nguyen, Erik Lyttek, Sydney Oluoch, Gita Bhushal. Masters Student-Mike Fowler.
- 2017** American Association of Geographers Best Graduate Paper award, 2017, \$1000, Meghann Smith-PhD student.
- 2017** PhD Students (\$250-\$1500): Pralhad Burli, Taylor Wiczerak, Gia Nguyen, Erik Lyttek, Sydney Oluoch, Gita Bhushal. Masters student-Mike Fowler. Undergraduate student (\$500): Jessica Tresslar.
- 2016** PhD Students (\$250-\$1500): Melissa Harclerode, Pralhad Burli, Taylor Wiczerak. Masters student (\$750)-Christopher Marinello.
- 2015** PhD Students (\$250-\$1500): Melissa Harclerode, Rachel Maynard, Pralhad Burli.
- 2014** PhD Students (\$250-\$1500): Melissa Harclerode, Pralhad Burli, Bernabas Wolde. Undergraduate student - Rachel Maynard.
- 2013** PhD Students (\$750-\$1500): Gin Dean Sanchez, Melissa Harclerode, Pricila Iranah.
- 2012** PhD Students (\$1500): Bernabas Wolde.

### **TEACHING EXPERIENCE**

#### **MONTCLAIR STATE UNIVERSITY**

##### **Primary-Instructor**

- EAES 561/361 Environmental Law and Policy (Spring 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021)
- EAES 575/475 Environmental Economics (Fall 2013, 2014, 2015, 2016, 2017, 2018,

2019, 2020, 2021);

- EAES 592/EAES 496 Life Cycle Analysis (Spring 2019)
- EAES 160 Human Environment (Fall 2018)
- EAES 575/475 Environmental Economics online (Winter 2017, 2018)
- EAES 170 World Geography (Fall 2011, 2012, 2013, 2014, Spring 2012, 2013, 2014)

Co-Instructor

- EAES 260 Energy, Environment and Society (Fall 2019)\* Guest Instructor
- EAES 497 Senior Seminar Geography
- EAES 533 Water Resource Management (Fall 2015, 2016, 2017, 2018)
- INTL 100 Introduction to Global Issues (Fall 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020)
- EAES 896 Research Project in Environmental Management (Spring 2012, 2013)

### **STUDENT EVALUATIONS**

Average, 1.66 (1.0—highest; 5.0—lowest)

### **ACADEMIC/ADMINISTRATIVE SUPERVISION**

- Dr. Dileep Birur, 2018-present (Associate Director, Clean Energy and Sustainability Analytics Center)
- Dr. Bernabas Wolde, 2019-present (Program Manager, Clean Energy and Sustainability Analytics Center)
- Dr. Sydney Oluoch, 2020-present (Research Fellow, Clean Energy and Sustainability Analytics Center)
- Erik Lyttek, 2020-present (Research Fellow, Clean Energy and Sustainability Analytics Center)
- Gia Nguyen, 2020-present (Research Fellow, Clean Energy and Sustainability Analytics Center)
- Daniel Truitt, 2018-present (Program Coordinator, Clean Energy and Sustainability Analytics Center)
- Daniel Rynerson, 2018-2019 (Research Associate, Clean Energy and Sustainability Analytics Center)
- Archana Prasad, 2019-present (Research Fellow, Clean Energy and Sustainability Analytics Center)
- Jay Prakash Singh, 2018-2019 (Research Fellow, Clean Energy and Sustainability Analytics Center)
- Rama Moyales, 2019-2020 (Research Assistant, Clean Energy and Sustainability Analytics Center)
- David Luttinger, 2019-2020 (Research Assistant, Clean Energy and Sustainability Analytics Center)
- Dr. Sydney Oluoch (2020-), Postdoctoral Associate
- Dr. Bernabas Wolde (2016-2019), Postdoctoral Associate
- Dr. Prahlad Burlu (2018-19), Postdoctoral Associate
- Dr. Pricila Iranah (2018), Postdoctoral Associate

**PHD STUDENTS (THESIS ADVISER)**

- Bernabas Wolde, PhD Environmental Management, Thesis Title: Socioeconomic and Environmental Assessment of Woody Biofuels in Southern United States, Now Program Manager, Clean Energy and Sustainability Analytics Center.
- Melissa Harclerode, PhD Environmental Management, Thesis Title: Evaluating Sustainable Aspects of Hazardous Waste Remediation, Now Project Manager & Sustainability Scientist, CDM Smith.
- Pralhad Burli, PhD Environmental Management, Thesis Title: Economic and Environmental Assessment of Advanced Biofuels: Adoption Under Uncertainty, Farmer Willingness, and Land Use Implications. Now Research Economist at Idaho National Energy Laboratory.
- Pricila Iranah, PhD Environmental Management, Thesis Title: Bridging Gaps Between Conservation Action and Policy on Small Island Developing States: Case Analog of the Republic of Mauritius, Now Postdoctoral Research Scientist, University of Nebraska.
- Robert Oleksy, PhD Environmental Management, Thesis Title: Protecting Public Health, Safety and the Environment: The Capabilities and Limitations of Privatizing State Remediation Programs. Now Environmental Safety Officer, VDM Metals
- Anthony Bevacqua, PhD Environmental Science and Management, Thesis Title: Spatial Economics of Clean Energy in New Jersey. Now Research Scientist, New Jersey Board of Public Utilities
- Sydney Oluoch, PhD Environmental Management, Thesis Title: Socioeconomic Assessment of Renewable Energy Options for Sub-Saharan Africa: A Continental, Regional and National Approach. Now Research Fellow, Clean Energy and Sustainability Analytics Center.
- Meghann Miller Smith, PhD Environmental Science and Management, Thesis Title: Socioeconomic and Environmental Analysis of Apple Cider in Northeastern United States. Now Research Fellow, Clean Energy and Sustainability Analytics Center.
- Taylor Wierzchak, PhD Candidate, Environmental Science and Management, Thesis Title: Socioeconomic Evaluation of Green Infrastructure Options in Northeastern United States. Defended Summer 2021.
- Gin Dean Sanchez, PhD Candidate, Environmental Management, Thesis Title: Economic and Environmental Analysis of Solid Waste Management in Santo Domingo East, Dominican Republic. Anticipated Completion 2021.
- Erik Lytttek, PhD Candidate, Environmental Science and Management, Thesis Title: The Fate of Fraxinus Spp. in New Jersey A Physioeconomic Evaluation of The Forest System and Bioenergy Capabilities. Anticipated Completion Fall 2021.
- Gia Nguyen, PhD Candidate, Environmental Management, Thesis Title: Climate Change, Crop Substitution and Water Scarcity: Hydrological and Socioeconomic Analysis in Mekong Delta Region, Vietnam. Anticipated Completion Fall 2021.
- Anvy Vy, PhD Candidate, Environmental Science and Management.
- Michael Fowler, PhD Student, Environmental Science and Management.
- Nicole Provost, PhD Student, Environmental Science and Management.
- Trang Luong, PhD Student, Environmental Science and Management.
- Gita Bhushal, PhD Student, Environmental Science and Management.
- Anuradha Singh, PhD Student, Environmental Science and Management.



**PHD STUDENTS (COMMITTEE MEMBER)**

- Natalie Sherwood (2012-2017) Thesis Title: Risk Associated with Human Consumption and Harvesting of Two Turtle Species in New Jersey.
- Alejandra Maria Bozzolasco (2013-2017) Thesis Title: Using A Mixed-Methods Approach to Understand Urban Children's Nature Conceptions, Ecological Worldviews and Environmental Perceptions and Preferences Before and After Attending an Environmental Education Program.
- Sushant Singh (2011-2014) Thesis Title: Assessing and Mapping Vulnerability and Risk Perceptions to Groundwater Arsenic Contamination: Towards Developing Sustainable Arsenic Mitigation Models.
- Arye Janoff (2017-2021) Thesis Title: Community-Scale Beach Nourishment and Groin Construction Decisions Along Human-Modified Coasts: The Interplay Between Socioeconomics, Coordination, Tourism, And Shoreline Change
- Jesse Kolodin (2016-2021) Thesis Title: A Geo-Economic Framework for Dune Construction and Long-Term Coastal Resiliency in New Jersey
- Michael Viterritto (2020-present)
- Wendy Neil (2014-2017)
- Christie Barry (2016-2017)

**MASTERS STUDENTS (PRIMARY THESIS ADVISER)**

- Taylor Wiczerak (2015- 2016), Thesis Chair MA in Environmental Studies. Thesis Title: An Economic Valuation of Combined Sewer Overflows and Green Infrastructure in Northern New Jersey. Now PhD student.
- Mike Fowler (2016-2018), Thesis Chair MS in Sustainability Science. Title: Energy and Emission Analysis of Switchgrass Based Biofuels. Now PhD student.
- Gita Bhushal (2016-2019), Thesis Chair MS in Sustainability Science, Thesis Title: Community Institutions and Resilience: Assessment of Flooding and Human Wildlife Conflict Outcomes in two Community Groups in Terai Region of Nepal. Now PhD student.
- Nawal Shoaib, Thesis Chair MS in Earth and Environmental Science (2019-present).
- Mary Kenny, Thesis Chair MS in Sustainability Science (2020-present).

**MASTER STUDENT (COMMITTEE MEMBER)**

- Trisha Sanwal, MS (Virginia Tech; Graduated summer 2016)

**MASTERS STUDENTS (PROJECT ADVISER)**

- David Luttinger, MS in Sustainability Science (2019-2020)
- Julia Sickler, MS in Sustainability Science Project, Midline Evaluation of Conservation Entertainment-Education Programs in Nyungwe National Park.
- Matthew Cristaldi (2016-2017), Now Analyst, PSEG.
- Ashley Lynn Chrzaszcz (2016-2017), Now Associate, Gabel Associates
- Daniel Ryerson, M.A. Psychology, 2018-2020.

**UNDERGRADUATE RESEARCH ADVISOR**

- Jessica Treslar, BA Geography, Now Student, Elisabeth Haub School of Law, Pace University

- Rachel Maynard, BA Geography, Now Fellow at United States Environmental Protection Agency
- Warren Bristol, BA Anthropology, Now Graduate Student, University of Arizona
- Matthew McNicholas, BS MS Sustainability Science, Now GIS Analyst at Suburban Consulting Engineers Inc.
- Carlos Montufar, BA Geography
- Nicolette Fillipino, BS Earth and Environmental Science
- Samuel Blanco, BA Geography
- Rama Moyales, BA Geography
- Caroline Burns, BS Sustainability Science

#### ***VISITING SCHOLAR***

- Dr. Onil Banerjee, Inter-American Development Bank, Washington DC.
- 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
- Zubin Pande, summer intern from Morristown High School
- Alexandra Yanowitz, summer intern from Tenafly High School

#### ***GRADUATE INDEPENDENT STUDY PROJECTS***

- 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
- Erik Lyttek, EAES 599, Stochastic Disease Transmission Modelling, Fall 17
- Gia Nguyen, EAES 792, Evaluation of Ecosystem and Associated Tradeoffs, Fall 17
- Taylor Wiczerak, EAES 792, Stated Preference & Program Evaluation Survey Design and Administration, Fall 17

- Erik Lytttek, EAES 792, Forest Pest Management Economics, Fall 17
- Lewis Windle, EAES 575, Environmental Economics, Fall 18
- Nawal Shoaib, EAES 533, Water Resource Management, Spring 19
- Nicole Provost, EAES 592, Economic Impact Assessment, Spring 19
- Nicole Provost, EAES 533, Water Resource Management, Fall 20

#### **OTHER RESEARCH SUPERVISION**

- Bernabas Wolde, grant funded hourly graduate research assistant, Summer 2012-2016
- Pralhad Burli, grant funded hourly graduate worker, Summer 2013-2017
- Deborah A. Lewis, hourly undergraduate worker, Fall 2013
- Pricila Iranah, grant funded hourly graduate worker, Summer 2014-2016
- 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 2015-2019
- Ashley Lynn Chrzaszcz, grant funded hourly graduate research assistant, Summer 2016
- Matthew Mcallister, grant funded hourly graduate research assistant, Summer 2016
- Sydney Oluoch, grant funded hourly graduate worker, Summer 2017-2019
- Gia Nguyen, grant funded hourly graduate worker, Summer 2017-2019
- Anthony Bvacqua, grant funded hourly graduate worker, Summer 2017-2019
- Gita Bhushal, grant funded hourly graduate worker, Summer 2017-2019
- Warren Bristol, grant funded hourly worker, Summer and Fall 2017
- Ingrid Witty, grant funded hourly worker, Fall 2017- Summer 2018
- Carlos Montufar, grant funded hourly worker, Fall 2017
- Jay Singh, grant funded research assistant, Spring 2018-Spring 2019
- Anthony Bevacqua, grant funded research assistant, Spring 2018
- Mike Fowler, grant funded research assistant, Spring 2018
- Julia Sickler, grant funded hourly graduate worker, Spring 2018
- Daniel Rynerson, grant funded hourly graduate worker, Summer 2018
- Nicolette Fillipone, grant funded hourly worker, 2018-2019
- Caroline Burns, grant funded research assistant, Spring 2019

#### **STUDENT ADVISEE HONORS & AWARDS**

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- 2020 Outstanding Graduate in PhD Environmental Science and Management: Sydney Oluoch
- 2020 John J. Lagrosa Award Recipient by NJ Water and Environment Association: Nicole Provost
- 2020 Outstanding Senior in Sustainability Science: Yvette Viasus
- 2020 Bertrand Boucher Scholarship (Outstanding Senior in Geography): Tyler Zitani
- 2019 Bertrand Boucher Scholarship (Outstanding Senior in Geography): Christine Leonhardt
- 2019 Harvey Milstead Award (outstanding Junior in Geography): Sam Blanco
- 2018 Bertrand Boucher Scholarship (Outstanding Senior in Geography): Ingrid Witty
- 2018 Harvey Milstead Award (outstanding Junior in Geography): Nicholas Lund

- 2018 Casabona Future Scientist Nominee from Earth and Environmental Science: Ingrid Witty
- 2017 Middle States Geographer Best Graduate Paper Award: Meghann Smith
- 2017 Middle States Geographer Best Graduate Poster Award: Gia Nguyen
- 2017 Outstanding Graduate in PhD Environmental Management: Pralhad Burli
- 2017 Bertrand Boucher Scholarship (Outstanding Senior in Geography): Jessica Tesslar
- 2017 Outstanding Teaching Assistant Award: Gita Bhushal Adhikary
- 2016 Outstanding Graduate in PhD Environmental Management: Sydney Oluoch
- 2016 Outstanding Teaching Assistant Award: Taylor Wiczerak
- 2015 Outstanding Teaching Assistant Award: Pricila Iranah
- 2015 Bertrand Boucher Scholarship (Outstanding Senior in Geography): Rachel Maynard
- 2014 Harvey Milstead Award (outstanding Junior in Geography): Rachel Maynard

### **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

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American Association for Advancement of Science  
 Society of American Foresters  
 Association of American Geographers  
 Agricultural and Applied Economics Association  
 American Economic Association  
 South Asian Network for Development and Environmental Economics  
 Network of Environment Professionals  
 Phi Kappa Phi Honor Society  
 Xi Sigma Pi Honor Society  
 Gamma Theta Epsilon Honor Society

### **PUBLICATIONS**

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#### **PEER-REVIEWED JOURNAL ARTICLES**

#### ***IN REVIEW (8)***

- Wiczerak, T., D. Rynerson, A. Prasad, B. Wolde, **P. Lal**, A. Vashishth, N. Goodey, A. Tuininga, Underrepresented Groups, Sustainability Work and STEM Disciplines: A Pre- Post Study of the Student Green Team Program. Submitted to the International Journal of STEM Education. Revise and Resubmit.
- Adhikary, G., **P. Lal**, B. Wolde, P. Burli. Incidence of human-wildlife conflict and likelihood of reporting losses in a developing country: A case study of Nepal, *Journal of Nature Conservation*. In review.
- Wolde, B., **P. Lal**, and R. Blumberg. Understanding the predictors of varied FMNP voucher redemption rates and estimating behavioral change based on ranked and tailored policy recommendations, *Food Policy*. In review.
- Smith, M., **P. Lal**, B. Wolde, Characteristics of Hard Apple Cidery Visitors and Assessing its Implications for Sustainable Tourism Development: A case study of the Hudson Valley Region. *Journal of Leisure Research*. In review.

- Prasad, A., **P. Lal**, B. Wolde, M. Smith, M. Zhu, B. Samanthula, N. Panorkou. Exploring the human-nature connection in adolescents age 10-13 and the perceived risk of nature: a case study from the ACMES STEM summer camp. *Journal of Adventure Education & Outdoor Learning*. In review.
- Prasad, A., **P. Lal**, B. Wolde, M. Zhu, B. K. Samanthula, N. Panorkou, Examining the impact of a field trip in nature on students' environmental perceptions and feelings of empowerment. *Journal of STEM Education: Innovations and Research*. In review.
- Singh, J. P., **P. Lal**, A. Prasad, B. Wolde, P. Iranah, M. Zhu, N. Panorkou, B.K. Samanthula. Student attitude towards environmental issues following Science, Technology, Engineering, and Mathematics (STEM) educational intervention activities: evidence from a student survey. *Science Education*. In review.
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- Oluoch, S. Public preferences for restoration of Longleaf pine ecosystems. Presented during the Association of American Geographers Conference, Denver, CO, April 2020.
- Nguyen, G., Lal, P., Wolde, B., Prasad, A., Lyttek, E. Application of Deep Learning to Predict Drought. Case study: Mekong Basin. Presented during the Association of American Geographers Conference, Denver, CO, April 2020.
- Smith, M., Nguyen, G., Wiczerak, T., Wolde, B., Lal, P., Munsell, J. Stakeholders' Perceptions of Geographical Criteria for Loblolly Pine Management in Virginia. American Geophysical Union annual meeting Poster Presentation, San Francisco, CA, December 9, 2019.
- Prasad, A. Investigating the Impact of the ACMES STEM Summer Camp on 6-8th graders' environmental perceptions. Presented at the CESAC Clean and Sustainable Energy Conference, Montclair, NJ, September 25, 2019.
- Lyttek, E., Lal, P., Forgoston, E., Wiczerak, T. Forest disturbances and the potential for energy in the context of preserving productivity. Oral Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Oluoch, S., Lal, P., Wolde, B. Future renewable energy in Kenya: A Choice Experiment Study. Oral Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Nguyen, G., Lal, P., Lyttek, E. Optimal siting and Transportation Costs using a geographic information system application for loblolly pine cultivation in Virginia. Oral Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Smith, M., Lal, P. Environmental assessment of hard apple cider. Oral Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Wiczerak, T., Lal, P. A Hedonic Analysis of Combined Sewer Overflows (COSs) in Northern New Jersey. Oral Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Adhikary, G.B., Lal, P., Wolde, B. Human Wildlife Conflict in developing Countries: A case study of Nepal. Poster Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.

- Provost, N., Lal, P. Climate change Impacts on Energy Generation in Eastern United States. Poster Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Luong, H. B., Lal, P., Nguyen, G. Customer Satisfaction with Five-Star Restaurant Chain Under Khaisik Corporation in Vietnam. Poster Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Prasad, A., Lal, P., Wolde B., Wiczerak, T. Investigating the Impact of Summer Camp on 6-8th graders environmental perceptions. Poster Presentation, Middle States Division, American Association of Geographers Annual Meeting, Kutztown, Pennsylvania, October 18-19, 2019.
- Bevacqua, A., Lal, P. Leveraging Geospatial Intelligence to Predict Solar Photovoltaic Deployment Opportunities: Atlantic County, New Jersey. Oral Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Wiczerak, T., Lal, P., Wolde, B. A Hedonic Analysis of Combined Sewer Overflows (CSOs) in Northern New Jersey. Oral Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Adhikary, G.B., Lal, P., Wolde, B., Burli, P. Flood Impacts and Trauma in Developing Countries: A Case Study of Nepal. Oral Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Smith, M., Lal, P. Life Cycle Assessment (LCA) of the Hard Apple Cider Production System. Oral Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Provost, N. Feasibility Analysis of Micro-Hydropower Installation in Water Supply Pipes of a New Jersey Water Supply Company. Poster Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Singh, J. P., Wolde, B., Iranah, P., Zhu, M., Panorkou, N., Samanathala, B. 2019 Student's attitude towards environmental awareness following STEM based educational intervention: evidence from a student survey. Poster Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Oleksy, R., Lal, P. 2019. Application of a Combined SWOT-AHP: Determining Stakeholder Perceptions of New Jersey's LSRP Program for Strategic Planning. Poster Presentation, International Conference on Sustainable Development, Columbia University, New York, USA. September 24-25, 2019.
- Bevacqua, A., Lal, P. Evaluating solar photovoltaic potential across various landscapes with LiDAR and Imagery Analysis: case study Atlantic County, New Jersey, USA, Oral Presentation, World Conference on Natural Resource Modeling, Montreal, Canada, May 22-24, 2019.
- Nguyen, G., Lal, P., Lyttek, E., Wiczerak, T., Burli, P. Bevacqua, A. GIS-based assessment of potential bioenergy feedstock supply using fuzzy logic and network optimization, Oral Presentation, World Conference on Natural Resource Modeling, Montreal, Canada, May 22-24, 2019.

- Lyttek, E., Lal, P., Forgoston, E. Stochastic and stratified dispersal and their effect on predicting invasive pest populations: a case of Emerald Ash Borer (EAB) in New Jersey, Oral Presentation, World Conference on Natural Resource Modeling, Montreal, Canada, May 22-24, 2019.
- Fowler, M. Life Cycle Assessment of Pelletized Loblolly Pine (*Pinus taeda*) Residues for Coal Co-Firing in Virginia, presented during the Sigma Xi Research Symposium, April 2019
- Adhikary, G.B, Lal, P., Wolde, B. Human Environment Interactions and Challenges in Developing Countries: A Case Study of Human Wildlife Conflict in Nepal, Sigma Xi Research Symposium, April 2019
- Bevacqua, A., Lal, P., Burli, P. Spatial Economics of Solar Photovoltaics in New Jersey. Paper presented at the conference: Geography 2050: Powering Our Future Planet organized by American Geographic Society, November 15, 2018.
- E. Lyttek, Lal, P. Place Based Ash (*Fraxinus*) Bioenergy Assessment in New Jersey. Oral Presentation. Paper presented at the conference: Geography 2050: Powering Our Future Planet organized by American Geographic Society, November 16, 2018.
- Nyugen, N., Lal, P., Lyttek, E., Burli, P., Wiczerak, T. Assessing the potential for switchgrass-based bioenergy in Missouri: A geospatial-based approach. Poster presentation. Geography 2050: Powering Our Future Planet organized by American Geographic Society, November 15-16, 2018.
- Oluoch, S., Lal, P., Wolde, B. 2018. Renewable Energy Research in Sub-Saharan Africa: A Silver Bullet or Fools Gold. Paper presented at the conference: Sustainable Development Conference, Ann Arbor, Michigan, November 9-11, 2018.
- Lal, P. Energy and Environmental Economic Approaches to Sustainability, Invited Presentation, Rutgers University Newark, October 17, 2018.
- Bevacqua, A., Lal, P., Tembe, S. The Spatial Economics of Clean Energy in New Jersey: Leveraging spatial analysis and economic modeling to better understand renewable energy technology potential for solar photovoltaics. Paper presented at the conference: Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 27, 2018.
- Filiponne, N., Lal, P., Burli, P., Wiczerak, T., Rynerson, D., Santana, E. Levelized Cost of Energy for Community Solar Projects in New Jersey. Poster presentation. Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 26, 2018.
- Lyttek, E., Lal, P., Nieddu, G., Forgoston, E., Wiczerak, T. Initial Results of Modeling Emerald Ash Borer (*Agrilus plannipensis*) Spread in New Jersey using a Novel Method. Paper presented at the conference: Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 27, 2018.
- Nyugen, G., Lal, P., Lyttek, E., Burli, P., T. Wiczerak. Optimal siting and transportation costs using a geographic information system. Case study: switchgrass-based bioenergy in Missouri. Paper presented at the conference: Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 27, 2018.
- Nyugen, G., Lal, P., Burli, P., Wiczerak, T. Modeling uncertainty in the Levelized Cost of Energy (LCOE) estimation for community solar in New Jersey. Poster Presentation. Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 27, 2018.

- Olouch, S., Lal, P., Wolde, B., Burli, P. A Survey of Future Renewable Energy Options for Kenya. Paper presented at the conference: Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 27, 2018.
- Singh, J.P., Lal, P., Burli, P., Wolde, B. Factors impacting the switchgrass yield across the United States: A meta-analysis. Paper presented at the conference: Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 27, 2018.
- Smith, M., Lal, P., Stern, E.A., Singh, J.P., Wiczerak, T. Sustainability Regulatory Integration and Reform for Superfund Sediment Remediation Projects. Poster Presentation. Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 26, 2018.
- Witty, I., Lal, P., Iranah, P., Singh, J., Zhu, M., Panorkou, N., Samanthala, B., Wolde, B., Burli, P., Ragucci, C. Science, Technology, Engineering, and Mathematic (STEM) Enrichment Education for the K 6-8 School Children. Poster Presentation. Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 26, 2018.
- Adhikary, G.B., Lal, P., Wolde, B., Burli, P. Incidence of human-wildlife Incidence of human-wildlife conflict and likelihood of reporting losses: The case of Banke National Park, Nepal. Paper presented at the conference: Middle States American Association of Geographers Annual Meeting, Montclair New Jersey, October 26, 2018.
- Blumberg, R., Bai, Y., Lal, P., Fowler, E., Paez, P. Examining WIC Farmers Market Nutrition Program Voucher Redemption in New Jersey. Society for Nutrition Education and Behavior Conference, Minneapolis, MN, USA, July 21-25, 2018.
- Fowler, E., Blumberg, R., Bai, Y., Paez, P. and Lal, P. An Examination of WIC Farmers' Market Nutrition Program Voucher Redemption in New Jersey: Preliminary Findings. American Society of Nutrition Conference, Boston, MA, USA, June 9-12, 2018
- Witty, I., and P. Lal. Place – Based Approaches for Sustainable Loblolly Pine Cultivation for Bioenergy in Virginia. Mario M. Casabona Future Scientists Program, Montclair State University, Montclair, NJ 07043, April 18th, 2018.
- Lyttek, E., Nieddu, G., Lal, P., Wiczerak, T., and Forgoston, E. Emerald Ash Borer Spread Dynamics, Paper presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.
- Nguyen, G., Lyttek, E., Bevacqua, A., Lal, P., Burli, P., Wiczerak, T., and Witty, I. Fuzzy Logic-Based GIS Model For Suitability Of Bioenergy Feedstocks, Paper presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.
- Blumberg, R., Leitner, H., and Lal, P. Supporting Alterity in the Food System? A Critical Analysis of the WIC Farmers Market Nutrition Program. Paper presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.
- Adhikary, G. B., Lal, P., and Wolde, B. A case study on Flood and Emotional Trauma in Banke District, Nepal, Paper presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.
- Wiczerak, T., Lal, P., Wolde, B., and Marinello, C. An Economic Valuation of Combined Sewer Overflow and Green Infrastructure in Northern New Jersey. Paper presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.



- Smith, M., and Lal, P. Hard Apple Cider in the New York Hudson Valley Region: a Tourism Study. Paper presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.
- Witty, I. Nguyen, G., Lal, P., Lyttek, E., Wolde, B., Burli, P., Wiczerak, T., Burli, P. and Iranah. P. Place-Based Approaches For Sustainable Loblolly Pine Cultivation For Bioenergy In Virginia. Poster presented at the conference: Association of American Geographers (AAG), Annual Meeting, New Orleans, LA, USA, April 9-14, 2018.
- Tuininga, A., Lal, P., Vashisth, A., Kyse, E., and Chahal, I. S-TEAMS: Sustainability Teams Empower and Amplify Membership in STEM. Poster presented at: NSF INCLUDES Principal Investigator and Evaluator meeting. Washington DC, USA. January 10, 2018.
- Tuininga, A., Lal, P., Vashisth, A., Kyse, E., and Chahal, I. S-TEAMS: Sustainability Teams Empower and Amplify Membership in STEM. Flash talk at: NSF INCLUDES Principal Investigator and Evaluator meeting. Washington DC, USA. January 10-12, 2018.
- Kelly, E., Blumberg, R., Fowler, E., and Lal, P. Farmer Decision-Making in Local Food Systems: Preliminary Findings. Poster presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Oluoch, S., Lal, P., Wolde, B., and Vedwan, N. Montclair State University Quantitative Review of Renewable Energy in sub-Saharan Africa Using Bibliometric Mapping Techniques. Paper presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Sickler, J., Lal, P. Sustainability within the Entertainment Infrastructure in America. Paper presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Lyttek, E., Nieddu, G., and Lal, P. Modeling Emerald Ash Borer Spread and Timber Losses in New Jersey. Paper presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Adhikary, G.B., Wolde, B., and Lal, P. A Case Study on Impact of Flood Alongside Different Community Forests in Banke, Nepal. Paper presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Wiczerak, T., and Lal, P. Willingness to Pay for Green Infrastructure in Response to CSO Activity in Elizabeth, NJ. Paper presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Fowler, M., Lal, P., Burli, P. Life-Cycle Analysis of Switchgrass (*Panicum virgatum*) based Ethanol. Poster presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Nguyen, G., Lal, P., B. Wolde. Discriminant Analysis of Coastal Resilience Study. Paper presented at the conference: American Association of Geographers Middle States Division, SUNY Geneseo, New York. October 20-21, 2017.
- Nguyen, G., Lal, P., Bevacqua, A., Lyttek, E., Wolde, B., Wiczerak, T., and Burli. P. Exploring Place-based Opportunities for Bioenergy Sustainability. Poster presented at the conference: Middle States Association of American Geographers (MSAAG). Geneseo, NY, USA, October 20-21, 2017.
- Blumberg, R., Fowler, E., and Lal, P. Farmer Perspectives on Direct-to-Consumer Marketing Channels: Preliminary Findings. Poster presented at the conference: Non-Land-Grant

- Agriculture and Renewable Resources Universities Conference, Morro Bay, CA. October 1-4, 2017.
- Burli, P., Forgoston, E., Lal, P., Billings, L. and Wolde, B. Switchgrass Adoption Under Uncertainty: A discrete-time modeling approach. Paper presented at Montclair State University Annual Research symposium, April 28, 2017.
- Nguyen, G., and Lal, P. Mekong river discharge changing and does impact on drought risk at Vietnamese Mekong Delta. Paper presented at Montclair State University Annual Research symposium, April 28, 2017.
- Wieczerek, T., and Lal, P. Contingent Valuation of Green Infrastructure in Elizabeth, New Jersey. Paper presented at Montclair State University Annual Research symposium, April 28, 2017.
- Oleksy, R., and Lal, P. Protecting Public Health, Safety and the Environment. Paper presented at Montclair State University Annual Research symposium, April 28, 2017.
- Iranah, P., and Lal, P. Using contingent valuation to estimate willingness to pay for alternative funding for forest conservation on an oceanic island. Paper presented at Montclair State University Annual Research symposium, April 28, 2017.
- Lyttek, E., and Lal, P. The Carbon Cost of Emerald Ash Borer in New Jersey. Paper presented at Montclair State University Annual Research symposium, April 28, 2017.
- Blumberg, R., Lal, P., Bose, M., and Mahadevan, M. Reconnecting Farmers and Consumers? Possibilities for a People-Centered Special Supplemental Nutrition Program for Women, Infants, and Children in the US. Paper presented at the conference: American Association of Geographers Annual Meeting, Boston, MA. April 5-9, 2017.
- Fowler, M., Burli, P., and Lal, P. Environmental Lifecycle Analysis of Switchgrass (*Panicum Virgatum*) based ethanol. Poster presented at the conference: Association of American Geographers (AAG), Annual Meeting, Boston, MA, USA, April 5-9, 2017.
- Lyttek, E.W., and Lal, P. Modelling the Geographic Spread of Emerald Ash Borer in New Jersey and its Economic Impacts. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Boston, MA, April 5-9, 2017.
- Blumberg, R., Lal, P., Bose, M. and Mahadevan, M. Reconnecting Farmers and Consumers? Possibilities for a People-Centered Special Supplemental Nutrition Program for Women, Infants, and Children in the US. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Boston, MA, April 5-9, 2017.
- Ranjan, A., and Lal, P., Mainstreaming Ecosystem Service in the Sustainability Evaluation Process for Remedial Activities. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Boston, MA, April 5-9, 2017.
- Wieczerek, T., and Lal, P. Contingent Valuation of Green Infrastructure in Elizabeth, New Jersey. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Boston, MA, April 5-9, 2017.
- Lal, P. Exploring Place-Based Opportunities for Bioenergy Sustainability. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Boston, MA, April 5-9, 2017.
- Treslar, J., and Lal, P. The Potential for Biofuel Production in Missouri. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Boston, MA, April 5-9, 2017.

- 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 Harclerode, M. Incorporating Ecosystem Service Values in the Sustainability Evaluation Process for Remedial Activities. Paper presented at the conference: 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. Paper presented at the conference: Ninth International Conference on Remediation and Management of Contaminated Sediments. New Orleans, Louisiana, January 9-12, 2017.
- Burli, P., E. Forgoston, P. Lal, L. Billings and Wolde, B. Switchgrass Adoption Under Uncertainty: A discrete-time modeling approach. Paper presented at the conference: Southern Economic Association 86th Annual Meeting, Washington D.C., USA, Nov 19-21, 2016.
- Lal, P. Researching Opportunities for Bioenergy Sustainability. Oral Presentation. Liberty Middle School Climate Change Workshop, West Orange, New Jersey, December 8, 2016. (invited).
- Lal, P. Integrating Ecosystem Services into Water Resource Management: Empirical Evidence from United States and Rwanda, Paper presented at the conference: 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. Paper presented at the conference: Middle States Division of American Association of Geographers Conference, Altoona, Pennsylvania, November, 4-5, 2016
- Blumberg, R., Lal, P., Martinez, M., and Mansur, H. Bridging the Rural/Urban Divide: Designing Research to Analyze Low Redemption Rates for the WIC Farmers' Market Nutrition Program. Paper presented at the conference: 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.
- Ochuodho, T., Banerjee, O., Alavalapati, J., Cicowiez, M., Masozera, M., and Lal, P. Evaluating Impacts of Investments in the Tourism Sector as a Poverty Reduction Strategy in Rwanda. Paper presented at the conference: 19th Annual Conference on Global Economic Analysis, Washington DC, USA. Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP), June 15-17, 2016.
- Lal, P., Ranjan, A., and Harclerode, M. Integrating Ecosystem Services in the Sustainability Evaluation Process for Remedial Activities. Paper presented at the conference: 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 presented at the conference: Battelle

- Tenth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-26, 2016, Palm Springs, CA.
- Harclerode, M. A., P. Lal, and Miller, M. E. Quantifying Global Impacts to Society from the Consumption of Natural Resources during Environmental Remediation Activities. Paper presented at the conference: 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. Paper presented at the conference: 4th International Conference on Sustainable Remediation (SustRem), April 25-27, Montreal, Canada.
- Lal, P., Burli, P. and Wolde, B. Woody Biomass Based Energy in Southern United States: Why Forest Landowners Care? Paper presented at the conference: The Association of American Geographers, Annual Meeting, San Francisco, USA March 29-April 2.
- Wieczerek, T., Lal, P. and McNicholas, M. A Socio-Economic Analysis of Combined Sewer Outflow Infrastructure in Northern New Jersey. Paper presented at the conference: The Association of American Geographers, Annual Meeting, San Francisco, USA March 29-April 2, 2016.
- Marinello, C., Wieczerek, T., Lal, P. Assessing the Economic Impacts of Gray Infrastructure. Poster presented at the conference: The Association of American Geographers, Annual Meeting, San Francisco, USA March 29-April 2, 2016.
- Wolde, B., Lal, P. and Alavalapati, J. Forestland owners' sustainability concerns and implications for residual biomass harvest decisions. Paper presented at the conference: 31st Annual International Conference on Soils, Sediments, Water, and Energy, Amherst, MA. October 19-22, 2015.
- Lal, P., J. Alavalapati, and Masozera, M. 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. Invited Panelist. East Coast Sustainability Forum, Annandale, New Jersey, August 25-26, 2015.
- Lal, P. Shore's Future: Living with Storms & Sea Level Rise Conference. Invited Panelist. Institute on Science for Global Policy, Toms River, November 20-21, 2015.
- Lal, P., Wolde, B., Burli, P., Alavalapati J., Kebede, E., Gan, J., Munsell, J., Taylor, E. and Ochuodho, T. Forest Biomass Based Energy in Southern United States: Why Landowners Care? Paper presented at the conference: USDA Sustainable Bioenergy Project Director's Meeting, Denver, CO, November 4-5, 2015.
- Wolde, B., Lal, P. and J. Alavalapati. Forestland owners' sustainability concerns and implications for residual biomass harvest decisions Paper presented at the conference: 31st Annual International Conference on Soils, Sediments, Water, and Energy, October 19-22, 2015, Amherst, MA
- Lal, P., Masozera, M. and Alavalapati, J. Moving towards Natural Capital Accounts: Economic Valuation of Forested and Wetland Landscapes in Rwanda. Paper presented at the conference: Middle States Association of American Geographers Division Annual Meeting. Binghamton, NY, October 2-3, 2015.
- Lal, P., Masozera, M. and Alavalapati, J. 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. Kigali, Rwanda, September 1-4, 2015.
- Lal, P. 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, 2015 Miami, FL. invited panelist.
- Miller, M. E., Harclerode, M.A. and Lal, P. How Can a Green Remediation Project Benefit by Incorporation of Sustainability, Paper presented at the conference: Battelle Bioremediation and Sustainable Environmental Technologies Conference, Advancing the Sustainability Evaluation Process for Remedial Activities, Miami, FL. May 18-21, 2015.
- Harclerode M., Lal, P. and Miller M. Advancing the Sustainability Evaluation Process for Remedial Activities, Paper presented at the conference: Battelle Bioremediation and Sustainable Environmental Technologies Conference. Miami, FL. May 18-21, 2015.
- Maynard, R., Lal, P., Pope, G., Burli, P. and Wolde, B. A Hedonic study of the surrounding contaminated area of Liberty State Park and the environmental qualities present. Poster presented at the conference: Montclair state University 9th Annual Research symposium, April 26, 2015.
- Lal, P., Burli, P., and Wolde, B. Forest and agricultural biomass based energy production and associated tradeoffs and sustainability issues. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Chicago, Illinois, USA April 21-25, 2015.
- Maynard, R., Lal, P., Pope, G., Burli, P., and Wolde, B. Relationship between the contaminated area of Liberty State Park, economic value of environmental amenities and impact on surrounding real estate areas. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Chicago, Illinois, USA April 21-25, 2015.
- 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, 2015.
- Burli, P., Wolde, B. Lal, P. and Alavalapati, J. Ecosystem service changes resulting from growing and harvesting pine on non-forested land for woody bioenergy in Virginia. . Poster presented at the Natural Capital Symposium, Stanford University, March 23-25, 2015.
- 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. Computational Sustainability: Preliminary Lessons From the US-India Consortium For Development Of Sustainable Advanced Biofuel Production Systems. Poster presented at the conference: XXIX Gujarat Science Congress, Scoping Future Challenges for Research & Education in Science and Technology, February 28 –March 1, 2015.
- Maynard, R., Lal, P., Pope, G., Wolde, B. and Burli, P. Relationship between contamination at Liberty State Park, economic value of environmental amenities, and impact on surrounding real estate areas. Paper presented at the conference: Middle States Division of American Association of Geographers Conference, York, Pennsylvania October 24-25, 2014.
- Lal, P., Burli, P., Wolde, B. Bioenergy Tradeoffs and Sustainability: Can We Use Forest and Agricultural Feedstocks to Displace Fossil Fuels in US? Paper presented at the conference: Middle States Division of American Association of Geographers Conference, York, Pennsylvania October 24-25, 2014.

- Lal, P., Wolde, B., Burli, P., Kebede, E., Alavalapati J. and Gan, J. Assessing Socioeconomic Impacts of Forest Bioenergy Development on Rural Communities in the Southern United States. Poster presented at the conference: USDA Sustainable Bioenergy Project Director's Meeting, Washington D.C., October 29-31, 2014.
- Lal, P., Burli, P. and Wolde, B. 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, 2014.
- Lal, P. 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. 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).
- Masofera, M., Lal, P., Alavalapati, J. and Ingram, C. 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, Kigali, Rwanda, May 27, 2014.
- Lal, P., Sanchez, G., and A. Susaeta. Willingness to pay for improved solid waste management: Experimental evidence from a choice experiment in the Dominican Republic. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Tampa, FL, April 8-12, 2014.
- Sanchez, G., and P. Lal. Life Cycle Assessment of Solid Waste Management System in the Dominican Republic. Paper presented at the conference: The Association of American Geographers, Annual Meeting, Tampa, FL, April 8-12, 2014.
- Harclerode M., Lal P, and M. Miller. Social Costs of Environmental Metrics: Representation and Challenges. Poster presented at the conference: Battelle Bioremediation and Sustainable Remedial Technologies Conference, Jacksonville FL, June 10-13, 2014.
- Lal, P. Developing forest forecasting model for India. Forest Futures Forecasting and Modeling Workshop. Oral presentation. Blacksburg Virginia, Dec. 2-6, 2013 (invited).
- Alavalapati, J., Susaeta, A, Lal, P. and Carter, D. Modeling the Impacts of Bioenergy Markets on the Forest Industry in the Southern United States, Paper presented at the conference: Society of American Foresters National Convention North Charleston, SC, October 23-27, 2013.
- Lal, P., Kebede, E., Alavalapati, J., Gan, J., Wolde, B., and Taylor, E. Assessing Socioeconomic Impacts of Forest Biomass Based Biofuel Development on Rural Communities in the Southern United States, Paper presented at the conference: The Association for the Advancement of Industrial Crops Annual Meeting, Washington D.C, October 12-16, 2013. (invited).
- Lal, P. 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, 2013. (invited).
- Iranah, P., and Lal, P. 2013. Biodiversity conservation policy and action: case study of Mauritius. Paper presented at the conference: 26th International Congress for Conservation Biology, Baltimore, MD, Jul 21-25, 2013.

- Harclerode, M., Beattie, J., Watt, M., Coan, S., Lal P, and Burlingame, M. 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, 2013.
- Harclerode, M., Coan, S., and Lal, P. Optimizing Site Characterization for Sustainability by Phased Focusing of Field Investigations, Paper presented at: Montclair State University Student Research Symposium, Montclair NJ, April 20, 2013.
- Iranah, P., and Lal, P. Bridging Gaps Between Policy and Action for Native Forest Conservation on Mauritius, Paper presented at: Montclair State University Student Research Symposium, Montclair NJ, April 20, 2013.
- Wolde, B., and Lal, P. Sustainability Assessment of Woody Biofuels in Southern United States, Paper presented at: Montclair State University Student Research Symposium, Montclair NJ, April 20, 2013.
- Oleksy, R., and Lal, P. Privatization of the Remedial Process: Analysis of Licensed Site Remediation Program, Paper presented at: Montclair State University Student Research Symposium, Montclair NJ, April 20, 2013.
- Sanchez, G.D., and Lal, P. Economic and Environmental Analyses of Municipal Solid waste Management in the Dominican Republic, Paper presented at: Montclair State University Student Research Symposium, Montclair NJ, April 20, 2013.
- Lal, P. Economic and Environmental Analysis of Biofuels in Southern United States, Paper presented at the conference: Association of American Geographers Annual Meeting, Los Angeles, April 9-13, 2013.
- Iranah, P., and Lal, P. Bridging gaps in biodiversity conservation policy and action: case study of Mauritius. Paper presented at the conference: 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, 2013.
- Alavalapati, J. and Lal, P. Economic, Environmental and Policy Analyses, Paper presented at the conference: Joint Project Meeting of US-India JCERDC for Development of Sustainable Advanced Lignocellulosic Biofuel Systems, Gainesville, FL, Jan 28 –31, 2013.
- Lal, P. 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, 2013.
- Lal, P. and Pineda-Queseda, H. Supply Chain Management Analyses for Bioenergy Production? Oral presentation, Indo-US Joint Clean Energy Research & Development Partners Meeting Workshop, Hyderabad, India, Jan 3-4, 2013.
- Alavalapati, J., and Lal, P. Mechanics of Profitability Analyses for Biofuels, Oral presentation. Indo-US Joint Clean Energy Research & Development Partners Meeting Workshop, Hyderabad, India, Jan 3-4, 2013.
- Lal, P. 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, 2013.
- Lal, P. Bioenergy Research at Montclair State University. Webinar. New Jersey Technology Community Tech Industry Webinar Series on Energy/Environment. December 11, 2012.

- Lal, P. 2012. Modeling Bioenergy and Traditional Forest Markets Tradeoffs in the Southern United States, Paper presented at the conference: World Conference in Natural Resource Modeling, Brisbane, University of Queensland, Australia. Jul 9-12, 2012.
- Lal, P. Social Aspects of Bioenergy Sustainability Workshop. Department of Energy, Washington DC. April 24, 2012. Invited panelist.
- Lal, P., Susaeta, A., and Alavalapati, J. 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, 2012.
- Lal, P., Alavalapati, J. Abt, R., Wear, D. and Abt, K. Modeling the Future of Southern U.S. Forests in Face of Bioenergy Markets, Paper presented at the conference: Association of American Geographers Annual Meeting, Seattle, Washington April 11-14, 2011.
- Lal, P. U.S. Energy Production and Employment, Session Chair. Association of American Geographers Annual Meeting, Seattle, Washington April 12-16, 2011.
- Lal, P. Economic Modeling of Forest Biomass Supply for Bioenergy in Southern United States. Oral presentation, Spring 2011 FREC Seminar Series, Virginia Tech, Blacksburg, March 21, 2011. (invited).
- Alavalapati, J. and P. Lal. Economics of Medicinal Plants and Herbal Products. Paper presented at the conference: Second International Seminar on Medicinal Plants & Herbal Products. S.V. University, Tirupati, India. December 27-29, 2010. (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. Biomass Sustainability Project Coordination Meeting, Raleigh NC. Panelist. September 22, 2010
- Alavalapati, J., Lal, P., Susaeta, A. and R. Abt. Bioenergy Meta Theme- Findings. Paper presented at the conference: United States Forest Service Southern Forests for Future Project, Atlanta, GA July 27-29, 2010. (invited).
- Alavalapati, J., Banerjee, O., Dwivedi, P., Huang, M., Kukrety, S., Lal, P. and Susaeta, A. Paper presented at the conference: Lessons learned from quantitative analyses of forest bioenergy markets. IUFRO 2010 Congress. Seoul, South Korea. Aug 23-28, 2010.
- Mercer, E., Lal, P. and Alavalapati, J. Competitiveness of Carbon Offset Projects on NIPF Lands, Paper presented at the conference: Southern Forest Economics Workers 2010 Annual Meeting, Pinehurst, NC. March 15- 17, 2010.
- Lal, P., Alavalapati, J., Dwivedi, P., Reddy, K.R.R., Fletcher, R., Martin, M. and Lindener, A. Developing indicators for measuring the sustainability of bioenergy products derived from pine forests in US South. Paper presented at the conference: Southeastern Ecology and Evolution Conference, Gainesville, FL March 27-29, 2009.
- Lal, P., Dwivedi, P. and Martin, M. 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, 2009 (invited).
- Alavalapati, J., Hodges, A.W., Lal, P., Dwivedi, P., Susaeta, A. and Kaufer, I. Southern Bioenergy Roadmap. Southern Bioenergy Roadmap Stakeholder Meeting. Oral presentation, Memphis, NC Aug 4-5, 2008. (invited).
- Alavalapati, J. Hodges, A.W. Lal, P. Dwivedi, P. Susaeta, A. and Kaufer, I. Southern Bioenergy Roadmap Inventory. Biomass South Oral presentation, Raleigh, NC, Sept 21-23, 2008. (invited).



- Lal, P. The World Conservation Union (IUCN) India Country Strategy Conference, New Delhi, India. May 1, 2006. (invited panelist).
- Lal, P. 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, 2006 (organizer and participant)
- Lal, P. National Level Consultative Workshop on Joint Forest Management (JFM) in collaboration with Ministry of Environment and Forest, New Delhi, India, October 17, 2006 (Organizer and participant)
- Lal, P. International Conference on Adaptation to Climatic Variability and Change, India Habitat Centre, New Delhi, India., January 5-7, 2006 (Organizer and participant)
- Lal, P. Land and Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Harda, India Nov 5, 2004 (invited).
- Lal, P. Land and Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Bhopal, India, Nov 6, 2004 (invited).
- Lal, P. Land and other Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Bhopal, India December 13, 2004 (invited).
- Lal, P. Land and other Rights Issues. University of Cambridge- Incorporating Stakeholder Perceptions in Participatory Forest Management Communication Workshop. Oral presentation Bhopal, India December 13, 2004 (invited).

\* Post-doctoral associate or student underlined

#### **ADMINISTRATIVE RESPONSIBILITIES & SERVICE**

##### ***UNIVERSITY SERVICE, MONTCLAIR STATE UNIVERSITY***

- University Senate Committee for Socially Responsible Investment Chair, 2019-2020
- University Senate Committee for Socially Responsible Investment Chair, 2018-2019
- University Senate Taskforce for Socially Responsible Investment Member, 2017-18
- Member, Strategic Plan Research Pillar Design Team, 2018
- University Senate Taskforce for Socially Responsible Investment Member, 2018
- University Student Research Symposium Session Chair, 2018.
- Member University Senate, Montclair State University, 2011-2017
- University Senate Election Committee, Montclair State University, 2012-2017
- University Senate Academic Affairs Committee, Montclair State University, 2012-2017
- University Student Research Symposium Session Chair, 2013.
- University Student Research Symposium Student abstract reviewer, 2013-2015.

##### ***COLLEGE OF SCIENCE AND MATHEMATICS, MONTCLAIR STATE UNIVERSITY***

- College of Science and Curriculum Committee, 2017-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 Department Curriculum Committee Chair, 2017-present
- Earth and Environmental Studies Geography Program Advisor 2012-present
- Earth and Environmental Studies Department Curriculum Committee Chair, 2017-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-present
- Presenter, Undergraduate/Graduate Admissions Open House events, 2012, 2014
- Undergraduate Student Awards Committee, 2012-present

#### ***PROFESSIONAL SOCIETY EXECUTIVE/EDITOR POSITIONS***

- President, Middle States Association of American Geographers 2018.
- Vice President, Middle States Association of American Geographers 2017-
- Secretary, Middle States Association of American Geographers 2016-2017
- Executive Board, Middle States Association of American Geographers, 2016-present
- Editor, Forests, Special Issue on Bioenergy and Bioproducts
- Editor, Middle States Geographer

#### ***GRANTING AGENCY PROPOSAL REVIEW***

- National Science Foundation GSS Proposal Review, 2018.
- National Science Foundation Energy and Industrial Ecology & Environmental Sustainability Review Panel, 2017.
- National Science Foundation GSS 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
- South Asian Network for Development and Environmental Economics Proposal, 2012.

***MANUSCRIPT REVIEWS***

- Science For Total Environment
- Technological Forecasting & Social Change
- Applied Energy
- Energy Economics
- Energy
- Energy Policy
- International Journal of Environmental Science and Technology
- Ecological Engineering
- Sustainability
- Ecological Economics
- Biomass and Bioenergy
- Journal of Environmental Management
- Society and Natural Resources
- Climate and Development
- Journal of Forest Economics
- Forest Science
- Canadian Journal of Forestry Research
- Forests
- Forest Policy and Economics
- Heliyon
- Middle States Geographer
- Agroforestry Systems
- Journal of Soil and Water Conservation

***BOOK REVIEW***

- Energy Resources, Oxford University Press

***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**

- Invited Reviewer for National Academies of Sciences, Engineering, Medicine.
- Invited Reviewer for 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
- Middle States Geographer Graduate Student Paper Award
- Middle States Geographer Undergraduate Student Paper Award
- Middle States Geographer Undergraduate Student Poster Award
- Middle States Geographer Graduate Student Poster Award

**OTHER PROFESSIONAL AND COMMUNITY SERVICE**

- 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.
- Organizer ‘Earth Day’ events at two schools in New Jersey in April 2017
- Meetings with Orange Board of Education representatives, and coordinators and science teachers at Oakwood Avenue and Rosa Parks schools in Orange school district to engage students in environmental activities and discussions on issues such as: waste recycling, water conservation, energy efficiency and renewable energy, conservation and resource management, shop green/shop local; and tree planting activities.

- Research mentoring of minority undergraduate STEM students under Science Honors Innovation Program exploring relationship between contaminated area of Liberty State Park and economic value of surrounding areas.
- Research mentoring of minority STEM students from Union City High School and their skill development through projects involving combined sewer overflows research in Northern New Jersey, ecotourism survey design, administration and analysis, risk perception and stakeholder engagement towards lead exposure prevention in northern New Jersey. The four female students from underrepresented groups who gained training in my research lab went back and presented their work through research posters. Association of Medical Colleges for development of this program

### **SELECTED MEDIA COVERAGE**

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- Ørsted Partners with Montclair State University, Offshore Engineer, March 6, 2020
- Ørsted inks clean energy partnership with Montclair State-ROI-NJ, March 5 2020
- Ørsted, Montclair State forge partnership on clean energy, NJBIZ, March 4 2020
- Ørsted U.S. Offshore Wind Announces Partnership with Montclair State University, Montclair News, March 4 2020
- Capturing Natural Capital Value in Rwanda, Green Growth. Knowledge Platform, December 10, 2019
- Saving the Planet, Growing Jobs, September 7, 2019
- Featured in Montclair State University President's Address to the University Community, September 3, 2019
- Featured in Montclair State University President's Address to the University Community, April 26, 2018
- CBS. Fishermen Battle Federal Regulators to Keep Flounders.  
<http://philadelphia.cbslocal.com/2017/06/09/nj-fishermen-battle-federal-regulators/> NJ
- NJDEP News Release. New Jersey Summer Flounder Season to Start On Thursday, May 25 With 18-Inch Minimum Size Intact
- Atlantic City Press. New Jersey pushes for alternative fluke plan as season approaches  
[http://www.pressofatlanticcity.com/news/new-jersey-pushes-for-alternative-fluke-plan-as-season-approaches/article\\_f2f5815c-b846-5bec-b9ec-0fa813ea70f1.html](http://www.pressofatlanticcity.com/news/new-jersey-pushes-for-alternative-fluke-plan-as-season-approaches/article_f2f5815c-b846-5bec-b9ec-0fa813ea70f1.html)
- Greenest Cities-Ask the Experts. <https://wallethub.com/edu/most-least-green-cities/16246/#pankaj-lal>
- 2017 White House Press Release. President Obama honors Federally-Funded Early Career Scientists
- 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.
- Fall 2017 Integrating Math into Science Teaching Research featured in “Forward Thinking”, The Research Newsletter of Montclair State University
- Featured in Montclair State University President's Address to the University Community, September 2017
- 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.
- Associated Press, <https://wtop.com/government/2017/11/trump-administration-dives-into-fish-fight/>
- Spring 2016, NSF CAREER Award Featured in Daily Record, Published by USA Today and Montclair.news.
- Office of Secretary of Higher Education.  
<https://njsecretaryhighereducation.com/2017/03/02/mar2017-montclair/> Montclair Professor Receives Prestigious Presidential Award
- 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