## *Appendix A: Abridged CVs of Team Members*

## Pankaj Lal, PhD

### PROFESSIONAL EXPERIENCE

| | |
|---|---|
| Director, Clean Energy and Sustainability Analytics Center | 2018- Present |
| Professor of Environmental Economics and Policy, Montclair State University | 2019-Present |
| Affiliate Faculty, Applied Mathematics and Statistics | 2020-Present |
| Associate Professor of Environmental Economics and Policy (with tenure) | 2016- 2019 |
| Associate Director of PSEG Institute for Sustainability Studies | 2016- 2018 |
| Doctoral Faculty | 2012-Present |
| Undergraduate Geography Advisor | 2012-Present |
| Assistant Professor of Environmental Economics and Policy | 2011- 2016 |
| Visiting Scholar, Virginia Tech | 2009 –2011 |
| Alumni Fellow, University of Florida | 2007 –2011 |
| Consultant of Government Reforms and Infrastructure | 2006-2007 |
| Pricewaterhouse Coopers Development Practice (PWC) India | |
| Program Officer of Natural Resource Management | 2004 –2006 |
| Winrock International India (now InsPIRE Network for Environment) | |

### EDUCATION

**PhD**, Natural Resource Economics & Policy, Gainesville, Florida.
**MBA**, Indian Institute of Forest Management, Bhopal, India.
**MA**, Geography, Delhi School of Economics, Delhi, India.
**BA**, Economics with Honors, Delhi University, Delhi, India.

### HONORS & AWARDS

Lead New Jersey Fellow, 2019; *Presidential Early Career Award for Scientists and Engineers (PECASE), The White House, 2017*; Advisory Board Member, Valuing the Resilience Dividend, Rockefeller Foundation and Rand Corporation 2016-17; Nominated by Montclair State University President Susan Cole for Carnegie Fellowship, 2016; CAREER Award, National Science Foundation, 2016; Passaic River Institute Fellow 2014-15; 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 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 2002-2004; National Eligibility Test Certificate for lectureship in Indian Universities 2001.

### SELECTED RESEARCH GRANTS/CONTRACTS (TOTAL: >$20 million)

New Jersey Board of Public Utilities, Assistance to New Jersey Fuel Cell Task Force Report Development, $93,339, 2022-2023
New Jersey Board of Public Utilities, Office of the Economist: Research and Technical Assistance-Utility Bill Deferments in New Jersey, $222,889, 2021-2022 (PI)
Orsted "Clean Energy and Sustainability Research Related to Offshore Wind", $200,000, PI

PSEG Foundation “Clean Energy and Climate Solutions”, 2021-2022, $100,000, PI
German Corporation for International Cooperation GmbH or GIZ competitive grant, “Achieving green growth through terrestrial natural capital restoration in Rwanda”, 2019-2020, $70,000 (PI).
New Jersey Board of Public Utilities grant, “To Perform Renewable Green House Gas Initiative (RGGI) Related Economic and Energy Dispatch Modeling”, 2019-20, $231,865 (PI).
New Jersey Board of Public Utilities grant, “The Clean Energy and Sustainability Analytics: To Advance Research on the Clean Energy Economy”, 2018-19, $239,935 (PI).
United States Department of Agriculture competitive grant, “Assessing Socioeconomic Impacts of Forest Biomass Based Biofuel Development on Rural Communities in the Southern United States”, 2012-16, $600,000 (PI).
US Department of Energy competitive award, “US-Indian Consortium for Advanced Biofuels System”, 2012-18, $12,500,000 (Co-PI; certification protocol and life cycle analysis lead).
National Science Foundation competitive grant, “NSF INCLUDES DDLP: Sustainability Teams Empower and Amplify Membership in STEM (S-TEAMS)”, 2017-19, $300,000 (Co-PI). National Science Foundation competitive grant, “CAREER: Exploring Place-based Opportunities for Bioenergy Sustainability”, 2016-21, 450,000 (PI).
NJ Department of Environmental Protection grant, “Evaluation of New Jersey’s Flounder Summer Education Program, 2017-2018, $27,698 (PI).
NJ Department of Environmental Protection grant, “Rapid Economic Analysis of Summer Flounders Harvest Restrictions, 2017, $12,940 (PI).
United States Department of Agriculture competitive grant, “Bridging the Gap between New Jersey Farmers and Consumers through Research, Education and Outreach”, 2017-19, $150,000
PSEG Foundation grant “Clean Energy and Sustainability Analytics Center & Green Teams Program”, 2018-2020, $1,300,000 (Joint PI).
National Science Foundation competitive grant “Assimilating Computational and Mathematical thinking into Earth and Environmental Science (ACMES)”, 2017-2020, $1,147, 085 (Co-PI)
United States Department of Agriculture competitive grant, “Ecosystem Service Tradeoffs, Landowner Incentives, and Optimal Policy Design to Promote Sustainable Longleaf Pine Agroecosystems”, 2017-20, $500,000 (Co-PI).
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”, 2015-17, 204,858 (Working Group Member).
Sewer Overflow in the Newark Bay and Lower Passaic, 2011-2015, $100,000 (PI).
United States Department of Agriculture grant, “Policies to Promote Forest Landowner Participation in Greenhouse Gas Reduction Programs” (2009-2011), $60,000, Co-I.

**SELECTED PUBLICATIONS (TOTAL >90)**

Oluoch, S.O.*, P. Lal, *A. Bevacqiua, *B. Wolde Consumer Willingness to Pay for Community Solar in New Jersey. The Electricity Journal. Volume 34, Issue 8, 2021,
Smith, M*., P. Lal, *S. Oluoch, N. Vedwan, A. Smith. Valuation of sustainable attributes of hard apple cider: A best-worst choice approach, Journal of Cleaner Production, 318, 2021,128478, https://doi.org/10.1016/j.jclepro.2021.128478.

Smith, M.*, *A. Bevacqua, S. Tembe, P. Lal. 2021. Life Cycle Analysis (LCA) of residential Geothermal Heat Pump Systems: A comparative analysis of energy efficiency in New Jersey, Sustainable Energy Technologies and Assessments, 47, 2021,101364
Wolde, B., P. Lal, M.Harclerode, and A. Rossi. 2019. The Halo effect: relative risk perception and behavioral response to lead exposure. *Environmental Management*, 63(5):691-701.
Burli, P., P. Lal, B. Wolde, S. Jose, and S. Bardhan. 2019. Factors affecting willingness to cultivate switchgrass: Evidence from a farmer survey in Missouri. *Energy Economics*, 80, 20-29.
Ochuodho, T.O., J.R. Alavalapati, P. Lal, D.A Agyeman, B. Wolde, P. Burli. 2018. Potential Economic Impacts of Allocating More Land for Bioenergy Biomass Production in Virginia. *Forests* 2019, *10*, 159.
Susaeta, A., and P. Lal. 2018. Impacts of Climate Change and Bioenergy Markets on Slash Pine Pulpwood Management in the Southeastern United States, *Forests*, 9, 656, doi:10.3390/f9100656
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.
Wolde, B., and P. Lal. 2018. Invasive Plant Removal Frequency – Its Impact on Species Spread and Implications for Further Integration of Forest Management Practices, *Forests*, 9(8), 502,
Lyttek, E., P. Lal., G. Nieddu, E. Forgoston, T. Wieczerak. 2019. Modeling *Agrilus planipennis*F. Spread in New Jersey, *Journal of Economic Entomology*, 112,5, 2482–2488.
Iranah, P., P. Lal, B. Wolde, and P. Burli. 2018. Valuing visitor access to forested areas and exploring willingness to pay for forest conservation and restoration finance: The case of small island developing state of Mauritius. *Journal of Environmental Management,* 6; 223:868-877
Wolde, B., P. Lal, P. Burli, P. Iranah, J. Munsell, J. Gan, J., and E. Taylor, 2018. Adapting Extension and outreach content to the educational interests of forestland owners: a case study of woody bioenergy, *Journal of Extens*ion, 56:3.
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. pp 3-18.
Burli, P., E. Forgoston, P. Lal, L. Billings, and B. Wolde, 2017. Adoption of switchgrass cultivation for biofuel under uncertainty: A discrete-time modeling approach, *Biomass and Bioenergy* 105:107-115.
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* 105:183-190.
Lal, P., B. Wolde, M. Masozera, P. Burli, J. Alavalapati, A. Ranjan, J. Montambault, O. Banerjee, T. Ochuodho, and R. Mugabo, 2017. Valuing visitor services and access to protected areas: The case of Nyungwe National Park in Rwanda, *Tourism Management*, 61:141-151.
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,* 184(1): 132.

## Aditi Ranjan, PhD

### PROFESSIONAL EXPERIENCE

| | |
|---|---|
| Professional Staff Researcher, College of Science and Mathematics, Montclair State University | 2021-present |
| Adjunct Professor, Montclair State University | 2019- present |
| MYMA Solutions | 2014-present |
| Research Assistant & Coordinator for All India Dalit Adhikar Manch, India | 2010-2011 |
| Young Professional, Dalit Foundation, Delhi, India | 2006-2007 |
| Program Office, Apwad, Delhi, India | 2005-2006 |
| Research Assistant, Rajiv Gandhi Institute for Contemporary Studies, India | 2004-2005 |
| Program Officer, Apwad, Delhi, India | 2003-2004 |
| Research Assistant, Indira Gandhi National Centre for the Arts India | 2003-2003 |
| Centre for Science & Environment, Delhi, India | 2003-2003 |
| Sprint RPG India Limited, New Delhi, India | 2002 – 2002 |
| Research Associate, Development Facilitator, Delhi, India | 2001-2003 |

### EDUCATION

**Ph.D** in Geography, Magadh University, India. 2012
**M.A.** Geography Delhi School of Economics, University of Delhi, India. 2001
**B.A. (Honors)** Geography, Miranda House, University of Delhi, India 1999

### SELECTED PROJECT EXPERIENCE

***Assessing Public Preferences for Offshore Wind Tourism in Ocean City, New Jersey.*** Choice experiment (CE) based research was used to assess offshore wind tourism potential in Ocean City and was supported by Orsted. We explored the willingness to pay of participants using a choice experiment-based structured survey for a tourism package that includes a guided or unguided boat tour to an offshore wind farm. We used CE framework to investigate recreational activities that respondents prefer in relation to wind based tourism programs. By better understanding the nature and extent of the specific economic opportunities that arise out of OWF, we were able to quantify the anticipated positive economic effects by assessing offshore wind energy tourism for anglers and allied sectors.

***The Potential of Offshore Wind Energy Tourism in Ocean City, New Jersey.*** Supported by Orsted. This work developed a synthesis paper on the potential economic benefits of an OSW energy tourism sector where we collected, collated, and systematically reviewed a range of documents related to OSW farm tourism in different settings using evidence synthesis approach. We collated findings from peer-reviewed and grey literature to summarize a substantive and diverse body of evidence. Our approach laid out systematic approach to searching, appraising, synthesizing and packaging the body of evidence related to energy tourism and OSW. Given that an energy tourism market doesn't yet exist in NJ we synthesized and reported the socio-economic benefits that could result from a novel energy tourism sector in other settings such as in Europe.

***Achieving green growth through terrestrial natural capital restoration in Rwanda***, Research and Outreach in project funded by German Society for International Cooperation (GIZ). Rwanda, a growing country in Sub-Saharan Africa, has suffered significant damage to its environment and

ecosystem services over the last few decades, and has begun the process of using policy to reverse this trend. To this end, this study utilizes an innovative integrated economic and environmental model (IEEM) coupled with land use land cover (LULC), and ecosystem service models (IEEM+ESM) to understand how various policy interventions could affect economic, poverty amelioration and environmental outcomes.

***Social Sciences Support in Operational and Knowledge Products for Inter-American Development Bank***: Developed an Economic Sector Work proposal on "Tourism Governance in Latin America and the Caribbean". Work included managing the review process of the proposal through coordination of multi-disciplinary experts involved in order to secure their contributions to produce a methodologically rigorous proposal. This included synthesizing preliminary feedback from experts, preparing a summary document and participating in a peer review videoconference. Conducted ex-ante economic evaluation of the Bolivia's National Tourism Management Program, developed a short list of potential contractuals, and provided support for the preparation and execution of a technical workshop on payment for ecosystem services, defining the contents of the workshop, and the storytelling to support the different expert interventions, and prepared a brief on the main workshop outcomes and areas for future work.

***Supporting Tanzania and Rwanda in Implementing the Gaborone Declaration***: Assisted in developing an appropriate framework for collecting additional data/information for valuation exercise, conducted valuation assessments of these two sites and delineated their contributions towards national policy goals. Assisted in project inception meeting presentations, stakeholder workshops, and worked on a technical report on the economic values of Nyungwe National Park and Rugezi wetlands. This technical report was targeted to policymakers with a clear and easy to understand messages. Based on comprehensive valuation assessment, assisted in developing a set of incentive-based policy solutions development and conservation goals. I coauthored peer reviewed articles and assisted in other communications.

***Bioenergy and Land Use Change Assessment***: Technical and knowledge review and assessed data availability and approaches used by economists for bioenergy and land use change assessment; Reviewed the problems, applications of economic techniques, methodological complexities, and certification efforts from the literature; Examined concerns, as well as their empirical evidences, and outline the conceptual opportunities and challenges involved in measuring both direct and indirect land use change; Assessed number of modeling methods used in previous studies, including spatially disaggregated modeling approaches, econometric land use change approaches, and integrated environmental economic approaches; Analyzed policy imperatives and provided suggestions that could form the foundation of sustainable bioenergy development pathways.

***Green and Sustainable Remediation***: Evaluated how ecosystem services can be integrated that can be used in Passaic river remediation options; Assisted lead consultant from MYMA Solutions working on ExxonMobil Environmental Services Company towards sustainable remediation practices for contaminated industrial sites; Conducted technical review of documents and provide feedback on remediation and ecosystem services integration in Passaic river clean up; Developed and submitted research proposal for sustainable remediation and ecosystem services research by participation in conferences and networks.

***Delhi Metro Transit Rail Assessment:*** Conducted qualitative and econometric analyses of Mass Rapid Rail Transit Systems in Delhi, India; Analyzed rider characteristics and impacts on the mode

choice, congestion, energy consumption, air quality, environmental justice, and equity issues; and Disseminated methods and findings through participation in conferences and networks.
***National Coordinator, All India Dalit Adhikar Manch***: Research and fund-raising activities promoting the cause of underprivileged communities in coordination with NGOs, activists, voluntary organizations and groups committed to fighting caste---based discrimination.
***Young Professional Dalit Foundation***: Coordinated and supervised quantitative and qualitative 'need based research' which included report preparation and review in six Indian States (Himachal Pradesh, Haryana, Uttar Pradesh, Rajasthan, Gujarat, and Delhi.

## SELECTED PUBLICATIONS & TECHNICAL PRESENTATIONS

Adhikary, G.B, Lal, P., Wolde, Burli, P., Ranjan, A. 2022. *Flood Impacts and Trauma: A case study of Banke District, Nepal*. Book Chapter in Environment, Development and Culture in South and East Asia: Local, Regional and International Perspectives, Springer, Netherland. (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. Co-published by John Wiley and Sons, and American Geophysical Union Washington D.C. December, 2017.

Lal, P. Wolde, B., Masozera, M., Burli, P., Alavalapati, J., Ranjan, A., 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*, 61: 141-151.

Lal, P., Alavalapati, J., Masozera, M., Bana, M., Mugabo, R., 2017. *Economic Values of Nyungwe National Park and Rugezi Wetlands and their contributions towards national policy goals in Rwanda.* Final Report. Wildlife Conservation Society, Rwanda.

Ranjan, A., Lal, P. and A. Susaeta. 2016. 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

…, Ranjan, A. *Millennium development goals and dalits: the status report*, April 2006

Ranjan Aditi, 2007. Insight: Young Voices, *Along Dalit Paths*, Sept-Oct, 2007(1):1.

Lal, P., Wolde, B., Masozera, M., Burli, P., Alavalapati, J., Ranjan, A., Montambault, J., Banerjee, O., Ochuodho, T., Mugabo, R. Valuing visitor services and access to protected area: The case of Nyungwe National Park in Rwanda. SNAPP Natural Capital Working Group Workshop, Kigali, Rwanda, March 14, 2017.

Ranjan, A., Lal, P. Mainstreaming Ecosystem Service in the Sustainability Evaluation Process for Remedial Activitiesm Technical Presentation. The Association of American Geographers, Annual Meeting, Boston, Massachusetts, April 5-9, 2017.

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

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

## Meghann Newell Smith, PhD

### SUMMARY

Experienced professor and researcher with academic interests in clean energy development, environmental economics, sustainable agriculture, and food studies. Skilled in survey contingent valuation, discrete choice experiment, best-worst scaling, and willingness to pay. Experienced in statistical analysis, environmental life cycle analysis, and life cycle costing. Practiced in community outreach and education, public speaking, and technical writing.

### EXPERIENCE

Research Associate, Clean Energy and Sustainability Analytics Center, Montclair State University (Feb. 2021-Present)
Working with a team that partakes in clean energy research including wind, solar, geothermal, and bio energy generation, and developing science-informed guidance for sustainable management. Appling techniques including public and stakeholder surveys, expert interviews, life cycle assessment, and economic analysis.

Graduate Assistant, College of Science and Mathematics, Montclair State University (Aug. 2017 – Jan. 2021)
Served as a research assistant with the Clean Energy and Sustainability Analytics Center and as a teaching assistant, teaching multiple courses in environmental studies undergraduate and graduate programs with topics including environmental economics and policy, earth science, and urban studies.

Professor, School of Business, Mathematics, Engineering and Technology, County College of Morris (Aug. 2014 – Dec. 2019)
Taught courses in the Hospitality Management and Culinary Arts department with topics including food science and nutrition, safe food handling, professional cooking and production.

### EDUCATION

Doctor of Philosophy, Environmental Science and Management
*Montclair State University, College of Science and Mathematics*
Master of Science, Nutrition and Food Science
*Montclair State University, College of Education and Human Services*
Bachelor of Science, Nutrition and Dietetics
*University of Arizona, College of Agriculture and Life Sciences*

### PUBLICATIONS

Smith, M., Lal, P. (in review) Environmental and Economic Assessment of Hard Apple Cider using an integrated LCA-LCCA Approach. Submitted to *Sustainable Production and Consumption*.
Smith, M., Lal, P., Vedwan, N. (in review) Motivations of Farmer's Management Decisions and Willingness to Adopt Sustainable Practices. Submitted to *Journal of Environmental Management.*

Oluoch, S.O., Lal, P., Susaeta, A., Smith, M., Wolde, B. (2021) Consumer Preference for Wood-Pellet Based Green Energy Programs in the Eastern United States. Available at SSRN: https://ssrn.com/abstract=3980379

Smith, M., Bevacqua, A., Tembe, S., Lal, P. (2021) Life Cycle Analysis (LCA) of residential ground source heat pump systems: A comparative analysis of energy efficiency in New Jersey. *Sustainable Energy Technologies and Assessments*, 47, 101364.

Prasad, A., Lal, P., Wolde, B., Smith, M., Zhu, M., Samanthula, B.K., Panorkou, N. (2021) Exploring the human-nature connection and the perceived risk of nature in children. *Applied Environmental Education & Communication.* https://doi.org/10/1080/1533015X.2021.1991508

Smith, M., Lal, P., Oluoch, S., Vedwan, N., Smith, A. (2021) Valuation of Sustainable Attributes of Hard Apple Cider: A Best-Worst Choice Approach. *Journal of Cleaner Production, 318, 128478.* https://doi.org/10.1016/j.jclepro.2021.128478.

Oluoch, S., Lal, P., Wolde, B., Susaeta, A., Soto, J.R., Smith, M., Adams, D.C. (2021) Public Preferences for Longleaf Pine Restoration Programs in the Southeastern United States. *Forest Science, 67, 3, 265-274.* https://doi.org/10.1093/forsci/fxab008

Smith, M. (2020) Sustainability of Hard Apple Cider: An Environmental and Socio-Economic Assessment. Dissertation. Montclair State University, Montclair, New Jersey, USA.

Smith, M., Nguyen, G., Wieczerak, T., Wolde, B., Lal, P., Munsell, J. (2019) Stakeholders' Perceptions of Geographical Criteria for Loblolly Pine Management for Bioenergy Production in Virginia. *Forests, 10, 9, 801, 1-17.* https://doi.org/10.3390/f10090801

Smith, M., Lal, P. (2017) Hard Apple Cider in the New York Hudson Valley Region: A Tourism Study. *Middle States Geographer*, 50: 28-38.

Smith, M. (2017) Artisinal Cider and the Craft Beverage Consumer Tourist Experience. Thesis. Montclair State University, Montclair, New Jersey, USA.

## TECHNICAL PRESENTATIONS

Smith, M., Lal, P., Oluoch, S., Vedwan, N., Smith, A. (2020) Hard Apple Cider Consumer Valuation of Sustainable Attributes: a case study of the US Mid-Atlantic States. Middle States Association of American Geographers annual meeting Paper Presentation, online, October 16-17.

Shoaib, N., Lal, P., Smith, M. (2020) LCA of offshore floating turbines in New Jersey. Middles States Association of American Geographers annual meeting Paper Presentation, online, October 16-17.

Kenny, M., Nguyen, G., Smith, M. (2020) Realizing the Energy Master Plan Through Spatial Analysis. Middle States Association of American Geographers annual meeting Poster Presentation, online, October 16-17.

Smith, M. (2020) Life Cycle Assessment (LCA) of Apple Orchard Management: an insight into sustainable agriculture and new opportunities. International Conference for Sustainable Development Paper Presentation, Online, September 21-22.

Smith, M., Nguyen, G., Wieczerak, T., Wolde, B., Lal, P., Munsell, J. (2019) Stakeholders' Perceptions of Geographical Criteria for Loblolly Pine Management in Virginia. American Geophysical Union annual meeting Poster Presentation, San Francisco, CA, December 9.

Nguyen, G., Lal, P., Lyttek, E., Smith, M., Wieczerak, T. (2019) Assessing Bioenergy Potential Based on Loblolly Pine Residues Using GIS-based Models in Virginia. Society of American Foresters National Convention Paper Presentation, Louisville, KY, October 30.

Smith, M. (2019) Environmental Assessment of Hard Apple Cider. Middle States Association of American Geographers annual meeting Paper Presentation, Kutztown, PA, October 18-19.

Nguyen, G., Lal, P., Lyttek, E., Smith, M., Wieczerak, T. (2019) GIS-based methodology of site selection for Loblolly pine cultivation in Virginia. International Conference for Sustainable Development Poster Presentation, New York, NY, September 24-25.

Smith, M. (2019) Environmental and Economic Assessment of Hard Apple Cider in the Northeastern U.S. Association of American Geographers annual meeting Paper Presentation, Washington, D.C., April 3-7.

Nguyen, G., Lal, P., Lyttek, E., Smith, M., Wieczerak, T. (2019) Assessing Bioenergy Potential Based on Loblolly Pine Residues Using GIS-based Models in Virginia. Sigma Xi Student Research Symposium Poster
Presentation, Montclair, NJ, April 27.

Stern, E.A., Lal, P., Smith, M., Singh, J. (2019) Sustainability Regulatory Integration and Reform for Superfund Sediment Remediation Projects. Battelle Sediments Conference Poster Presentation, New Orleans, LA, February 13.

Smith, M. (2018) Assessing the Characteristics of Tourists visiting Hard Apple Cideries in the Hudson Valley Region. Middle States Association of American Geographers annual meeting Paper Presentation, Montclair, NJ, October 26-27.

Smith, M., Lal, P., Stern, E.A., Singh, J., Wieczerak, T. (2018) Sustainability Regulation Integration and Reform for Superfund Sediment Remediation Projects: an Eco-Industrial Approach. Middle States Association of American Geographers annual meeting Poster Presentation, Montclair, NJ, October 26-27.

Smith, M., Lal, P. (2018) Exploring Consumer's Perceptions of Sustainably-Produced Wine and Beer: a systematic review. Montclair State University Student Symposium Paper Presentation, Montclair, NJ, April 27.

Smith, M. (2018) Hard Apple Cider in the New York Hudson Valley Region: A Tourism Study. Association of American Geographers annual meeting Paper Presentation, New Orleans, LA April 9-14.

Fowler, M., Burli, P., Lal, P., Smith, M. (2017) Life-Cycle Analysis of Switchgrass (*Pancium virgatum*) based Ethanol. Middle States Association of American Geographers annual meeting Poster Presentation, Geneseo, NY, October 20-21.