

Jenna M. Bloxom

12118 Normont Dr.
Houston, TX 77070
jmbloxom@hotmail.com / jmbloxom@colostate.edu
281.744.1706

EDUCATION

- 2009-Present **Colorado State University**, Fort Collins, Colorado
Doctoral candidate, Department of Political Science
Degree foci: international relations, environmental politics, comparative politics
Dissertation Title: The Wild Blue Yonder of Green Innovation: An Analysis of the Viability of Renewable Jet Fuel and its Significance for Innovation Policy and the International Political Economy
Research Interests: biofuels and bio-based synthetic hydrocarbons; energy policy; global and domestic energy markets; algae industrial development; innovation policy; global supply chain analysis; natural resource management; sustainable development
Anticipated graduation date: Winter 2019
- 2007-2009 **The University of Arizona**, Tucson, Arizona
Master of Arts, Latin American Studies
Degree foci: biofuels and bio-products; water-energy nexus; renewable energy in developing countries; water privatization; sustainable development
Thesis: Fueling the Appetite for Water: The Palm Oil Biofuel Industry in San Pedro Sula, Honduras
- 2002-2005 **Wake Forest University**, Winston-Salem, North Carolina
Bachelor of Arts, Political Science
Bachelor of Arts, Spanish

RESEARCH EXPERIENCE

- 2009-2011 **Bioenergy Research Fellow**, *National Science Foundation IGERT Multidisciplinary Approaches to Sustainable Bioenergy Program, Colorado State University*
Selected as one of only six doctoral students across CSU to collaborate in the 2009 interdisciplinary bioenergy program
Completed coursework, lab rotations, and research related to biological, thermochemical, agricultural, political, economic, and ecological aspects of bio-based electricity, transportation fuels, and products while building professional relationships within and outside of academia

Implemented multifaceted knowledge to create and evaluate original biofuels project development analyses with a team of colleagues

- 2008-2009 **Water Sustainability Fellow (Algae)**, *Water Resources Research Center, University of Arizona*
Composed research project proposal and budget for research opportunity through the University of Arizona's Technology and Research Initiative
Analyzed immediate and long-term effects of proposed algae biomass as well as algae-based fuel and chemicals industries on Arizona water policy and management strategies regarding the state's economic, legal, political, and environmental goals
Conducted interviews with bioenergy and public stakeholders and assessed relevant water data
- Summer 2008 **Tinker Foundation Research Scholar**, *San Pedro Sula, Honduras*
Designed research grant and budget to complete thesis fieldwork
Investigated current and future impacts of the African palm oil agriculture and biodiesel industries with regards to groundwater resources and sustainable land management
Assessed the political, economic, and social spheres affected by renewable energy programs as well as internationally privatized water contracts
Collaborated with public, private, and grassroots actors to better understand impacts of local bio-based transportation fuels and anaerobic digestion
- Summer 2005 **Richter Foundation Research Scholar**, *Buenos Aires, Argentina*
Crafted and implemented grant application and budget to examine water privatization as a political, industrial, and social institution in Buenos Aires
Compiled statistical, technical and historical data on water quality, contracts, technology, and allocation
Interviewed over 100 citizens; compiled qualitative data and analyzed public opinion

PROFESSIONAL EXPERIENCE

- 2018-present **Volunteer Consultant**, *Advanced Biofuels USA, Frederick, MD*
Consulted on strategic outreach, new material development, and public engagement and fundraising brainstorming
Contributed to and edited original and existing mission statements and fact sheets
Advised on future expansion of internship program and educational materials to spread awareness and bolster collaboration opportunities
- 2012-2015 **Bioenergy and Political Science Instructor**, *Colorado State University, Fort Collins, CO*
Designed original curricula, lectures, and coursework for Ph.D. bioenergy policy class as well as for an introductory undergraduate international relations course

Managed and directed duties of two teaching assistants each semester while teaching classes with enrollments up to 150 students
Led discussions regarding domestic and international policies related to bioenergy technology, innovation, and public perception before advising on complex bioenergy projects
Created novel, scientist-focused lectures on policy and political realities
Taught inclusive fundamentals of international relations, foreign policy, security, global political economy, and transnational environmental politics

2014-2015 **Senior Corporate Governance Intern, Woodward, Inc., Fort Collins, CO**
Consulted as socio-political expert regarding initial corporate sustainability / responsibility reporting
Recommended fundamental information and strategic planning for report content and guidelines
Managed team of interns in researching, composing, and editing drafts
Created and edited press releases and corporate publication material for public education on company's sustainable practices and objectives

Summer 2010 **Biomass Intern, American Council On Renewable Energy, Washington, D.C.**
Performed daily tasks of Biomass Coordinating Council including writing press releases, interacting with members and NGOs, educating governmental and public agencies, translating international business plans, and organizing grant opportunities
Collaborated with the DOE, White House, and private bank representatives to assist in executing international finance and policy conferences
Interfaced with various governmental and non-governmental actors to help forge biomass and bioenergy materials for public

2006-2007 **Flight Attendant, Colgan Air (Continental Connections), Houston, TX**
Completed flight safety and medical emergency training
Ensured the safety and comfort of airline passengers traveling in Texas, Louisiana, and Oklahoma on Saab 340 aircraft

Summer 2004 **Intern, Centro Cultural Arocena, Torreón, Mexico**
Provided research, artifact preservation, and interpreting services in museum administrative offices
Executed in-depth research of local historical agribusiness and water rights as well as present-day land and water quantity, quality, and allocation issues

2004-2005 **Director, Aprender y Enseñar Student Volunteer Program, Wake Forest**
Served as Administrative Coordinator of volunteer training and activities for largest student volunteer organization on campus
Recruited students and performed liaison and managerial duties between thirty students and ten community organizations
Tutored bilingual and Spanish-speaking elementary school students

2003-2005 **Research and Teaching Assistant, Wake Forest University, NC**
 Assisted designing and teaching freshman seminar course on immigration issues
 and tutored students on weekly basis
 Aided in applying for and developing grant resources concerning international
 water issues and policies

PUBLICATIONS AND AWARDS

2018 “The 2018 Algae Biomass Summit: Tracing the Evolution of the Algae Industry
 And Its New Trajectories Forward” on AdvancedBiofuelsUSA.com, Nov. 17,
 2018

2018 “Mired in Misère: Re-Launching Political Capital and Public Trust for Biofuels—
 Seven Strategies to Reinstate Our Industry’s Power in Washington, D.C. through
 Mainstreet, USA” in *Biofuels Digest*, June 7, 2018.

2015 Department of Political Science Graduate Student Teaching Award

2013 Developed ten original strategies for clean energy-related economic development
 at the local administration level through a case study of Portland, Oregon in:
 “Energy, the Environment, and Economics” chapter in: *Opp, Susan M., and
 Jeffery L. Osgood, Jr. 2013. Local Economic Development and The
 Environment: Finding Common Ground. Boca Raton, FL: CRC Press.*

CONFERENCES

Oct 2018 Presenter, *2018 Algae Biomass Summit*, “From Pipette Dream to Political
 Powerhouse: Building Political Capital for Commercialization Success”,
 Houston, TX

April 2015 Presenter, *2015 American Associations of Geographers*, “The Sky is the Limit:
 How Bio-Based Jet Fuel Is Propelling the Bio-Economy Discussion to New
 Heights”, Chicago, IL

Aug 2012 Presenter, *2012 Western Energy Policy Research Conference*, “Are Green
 Hydrocarbons the Solution to Biofuels’ Water Blues?”, Boise, ID

Sept. 2010 Presenter, *Algae Biomass Summit 2010*, “Harvesting Algal Potential,
 Extracting Political Reality”, Phoenix, AZ

May 2010 Poster Presenter, *Tribal Renewable Energy Workshop*, “Fluid Realities:
 Water Considerations for Tribal Nations from Honduras”, Seattle, WA

June 2009 Presenter, *Groundwater for the Americas*, “Green Alternatives, Blue
 Appetites: Groundwater and the Palm Oil Biodiesel Industry in
 Honduras”, Panama City, Panama

April 2009 Presenter, *2009 Ground Water Summit*, “Fueling the Appetite for Water: Climate
 Change and the Biofuel Industry in Honduras”, Tucson, AZ

Oct 2008 Presenter, *Tinker Symposium*, Univ. of Arizona, “Fueling the Appetite for
 Water: Palm Oil Biodiesel Industry in San Pedro Sula, Honduras”, Tucson, AZ

SKILLS

Over 13 years of analysis experience regarding international relations, natural resource management, environmental policies and decision-making, sustainable socio-economic development, water allocation and availability

Over ten years of expertise in biofuels and bioenergy technical logistics / policies including feedstock procurement strategies, trade flows and market influences, and new technology related to bio-based synthetic hydrocarbons

Experience in domestic and international research grants with original fieldwork and budgetary planning and management in:

U.S. (2008-2009); Honduras (2008); Argentina (2005); Mexico (2004)

Public and private sector experience in strategic public outreach content writing

Qualitative and quantitative (SPSS) research and analytical experience

Public presentation creation and delivery to diverse audiences on both political and technical issues

Academic and professional experience in creating education materials for online and in-person forums

Four years of teaching and original course creation experience at university level

Organizational and outreach experience with grassroots associations

Academic and professional experience in coordinating with bureaucratic, corporate, and non-profit entities

Spanish written and conversational fluency

Portuguese reading proficiency

Expertise in Microsoft Office program including Outlook, Word, PowerPoint, and Excel

Strategic analysis and consensus-building skills to coordinate stakeholders