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**SURAJ UPADHAYA**

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**EDUCATION**

**Doctor of Philosophy (Ph.D.)** 2019

Integrative Conservation of Forestry and Natural Resources

Warnell School of Forestry and Natural Resources

University of Georgia, Athens, GA

*Dissertation: Keep it Green or Make it Blue: Understanding the Dynamics of Land Use Changes and its Impacts on Ecosystem Services in the Context of Deforestation Due to Blueberry Expansion in Southern Georgia, USA.*

**Masters of Science (MS)** 2015

Forest Resources

Department of Forestry and Natural Resources

University of Kentucky, Lexington, KY

*Thesis: Use of Landsat Data to Characterize Burn Severity, Forest Structure and Invasion by Paulownia (Paulownia tomentosa) in an Eastern Deciduous Forest, Kentucky.*

**Bachelor of Science (BSc.)** 2011

Forestry

Institute of Forestry

Tribhuvan University, Kathmandu, Nepal

*Thesis: Spatial Interaction Between Snow Leopard's Prey: Blue Sheep and Livestock, a Case Study of Shey Phoksundo National Park, Nepal.*

**Certificate in Disaster Management** 2010

Indira Gandhi National Open University

Maidan Garhi, New Delhi, India

**Technical Certificate (ISc.)** 2006

Forestry

Institute of Forestry

Tribhuvan University, Pokhara, Nepal

**RESEARCH AND TEACHING INTERESTS**

Forest-based ecosystem services	Human-dimensions of natural resources	Sustainability
Forest Management		Ecosystem Management
Application of GIS and remote sensing in natural resource management	Landscape ecology	Social-ecological systems
Land use and land cover change analysis		

## RESEARCH EXPERIENCES

<b>Postdoctoral Research Associate</b> Department of Natural Resource Ecology and Management Iowa State University, Ames, IA	2019-Current
<b>Graduate Research Assistant</b> Dwivedi Forest Sustainability Lab Warnell School of Forestry and Natural Resources University of Georgia, Athens, GA	2015-2019
<b>Graduate Assistant</b> Integrative Conservation of Nature and Forestry, ICON PhD University of Georgia, Athens, GA	2015-2019
<b>Graduate Research Assistant</b> Department of Forestry University of Kentucky, Lexington, KY	2013-2015
<b>Research Intern</b> Jagriti, Kullu, India	2017-2017

## TEACHING EXPERIENCES

<b>Instructor</b> Iowa State University, Ames, IA Ecosystem Management (1 section, 34 students) <i>Lectured, mentored students, and graded assignments on theory, tools, and methods of ecosystem management.</i>	Spring 2020
<b>Graduate Teaching Assistant</b> University of Georgia, Athens, GA Economics of Renewable Resources (2 sections, 54 students) <i>Lectured, mentored students, and graded assignments on theory, tools, and methods of economic analysis of renewable resources.</i>	Spring 2019, Fall 2018
Society and Natural Resources (2 section, 96 students) <i>Mentored students and graded assignments on fundamentals of society and natural resources.</i>	Spring 2019, Fall 2018
<b>Graduate Teaching Assistant</b> University of Kentucky, Lexington, KY Forest Management (1 section, 20 students) <i>Lectured, mentored students, and graded assignments on the fundamentals of managing forests for timber and non-timber production at the stand and forest level.</i>	Fall 2013
GIS and Spatial Analysis (2 sections, 55 students) <i>Lectured, mentored students, and graded assignments on theory, tools, and methods in the principles and operations of geographic information systems (GIS).</i>	Fall 2013, Fall 2014

## Teacher

### Dunai Boarding School, Dolpa, Nepal

*Taught English, Science, and Environmental Education to students in grades 5-8 from rural regions of Dolpa. Part-time*

2004-2008

### Self-Help Environmental Awareness Camp, Pokhara, Nepal

*Taught environmental education to students of grades 9 and 10 at Suryodaya Secondary School, Kathmandu, Nepal.*

2006

## PEER-REVIEWED PUBLICATIONS

- Khanal, P., Wagle, B.H., **Upadhaya, S.**, Ghimire, P., & Acharya, S. (2020). Perceived Climate Change Impacts and Adaptation Strategy of Indigenous Community (Chepang) in Rural Mid-hills of Nepal. *Forestry: Journal of Institute of Forestry, Nepal*. (*In Press*)
- Upadhaya, S.**, & Dwivedi, P. (2019). The Role and Potential of Blueberry Farming in Increasing Deforestation in Southern Georgia, United States. *Agricultural Systems* 173:39–48. DOI: 10.1016/j.agsy.2019.01.002
- Upadhaya, S.** & Dwivedi, P. (2019). Blue over Green? Defining Typologies of Rural Landowners Growing Blueberry in Place of Forests in Georgia, United States. *Human Ecology*, 47 (5), 693-703. DOI: <https://doi.org/10.1007/s10745-019-00095-7>
- Ghimire, S., Dhungana, N., & **Upadhaya, S.** (2019). Impacts of Climate Change on Water Availability and Reservoir-based Hydropower. A Case Study from Kulekhani Hydropower Reservoirs, Nepal. *Journal of Forest and Natural Resource Management* 1(1):52-68.
- Black, D.E., Poynter, Z.W., Cotton, C.A., **Upadhaya, S.**, Taylor, D.D., Leuenberger, W., Blankenship, B.A., & Arthur, M.A. (2018). Post-wildfire Recovery of an Upland Oak–Pine Forest on the Cumberland Plateau, Kentucky, USA. *Fire Ecology* 14:14. DOI: <https://doi.org/10.1186/s42408-018-0013-9>
- Dhungana, N., Silwal, N., **Upadhaya, S.**, Regmi, S.K., & Adhakari, S. (2018). Local People's Perception and Awareness of Climate Change: A Case Study of Community Forest of Lamjung District, Western Nepal. *Banko Jankari*, 28(2), 60-71.
- Upadhaya, S.**, & Dwivedi, P. (2019). Conversion of Forestlands to Blueberries: Assessing Implications for Habitat Quality in Alabama River Watershed in Southern Georgia, United States. *Land Use Policy* 89, 104229. DOI: <https://doi.org/10.1016/j.landusepol.2019.104229>
- Acharya, S., Rayamajhi, S., Sharma, S., **Upadhaya, S.**, Joshi, S., & Lamichhane, S. (2018). Anthropogenic Threats to Survival of the Critically Endangered Chinese Pangolins (*Manis pentadactyla*) and their Habitat in Kavrepalanchowk. *Journal of Biodiversity & Endangered Species* 6:3. DOI: <https://doi.org/10.4172/2332-2543.1000218>
- Tiwari, S., Nepali, S., Paudel, J., & **Upadhaya, S.** (2017). Ecotourism in Protected Areas of Nepal: An Application of Individual Travel Cost Method. *Research Journal of Agriculture and Forestry Sciences* 5(1): 1–7.
- Stapp, J.R., Lilieholm, R.J., Leahy, J., & **Upadhaya, S.** (2016). Linking Attitudes, Policy, and Forest Cover Change in Buffer Zone Communities of Chitwan National Park, Nepal. *Environmental Management* 57(6):1292–1303. DOI: <https://doi.org/10.1007/s00267-016-0682-6>
- Adhikari, S., Shrestha, S.M., Singh, R., **Upadhaya, S.**, & Stapp, J.R. (2016). Land Use Change at Sub-watershed Level. *Hydrology Current Research* 7(3):3–7. DOI: <https://doi.org/10.4172/2157-7587.1000256>

- Stapp, J.R., Lilieholm, R.J., **Upadhaya, S.**, & Johnson, T. (2015). Evaluating the Impacts of Forest Management Policies and Community-level Institutions in the Buffer Zone of Chitwan National Park, Nepal. *Journal of Sustainable Forestry* 34(5):445–464. DOI: <https://doi.org/10.1080/10549811.2015.1025080>
- Gauli, B., & **Upadhaya, S.** (2014). Reducing Emissions from Deforestation and Forest Degradation (REDD) in Nepal. *A Review. The Initiation* 5:75-83.
- Bridgewater, P., & **Upadhaya, S.** (2013). Model Forest and its Prospect in Nepal. *The Initiation* (4)120–124.
- Upadhaya, S.** (2009). Herbal Resources of Dolpa, The Nature; *The Journal for Green Revolution* 1(1):71-73.
- Upadhaya, S.**, Chalise, L., & Paudel, R.P. (2010). High Altitude Ramsar Sites of Nepal. *The Initiation* 3(0):135–148. <https://doi.org/10.3126/init.v3i0.2505>
- Upadhaya, S.** (2010). Energy Crisis and Nepal's Potentiality. *The Initiation* 2(1):130–135. DOI: <https://doi.org/10.3126/init.v2i1.2534>

#### PAPER IN REVIEW/IN PREPARATION

- Upadhaya, S.**, Arthur, M.A., Cotton, C.A. Taylor, D.D. & Contreras M.A. Assessment of Burn Severity and Response of a Non-native Invasive Species in an Eastern Deciduous Forest using Landsat Thematic Mapper (TM) Imagery. (*in preparation*).
- Dhungana, N., Silwal, N., **Upadhaya, S.**, Khadka, C., Regmi, S.K., Joshi, D., & Adhakari, S. Rural Coping and Adaptation Strategies for Climate Change by Himalayan Communities in Nepal. *Journal of Mountain Science* (*in Review*)
- Ghimire, P., Raut, N., Khanal, P., Acharya, S., & **Upadhaya, S.** Species in Peril: Assessing the Status of Pangolin Trade in Nepal. *Journal of Threatened Taxa*. (*in Review*)
- Poudyal, B., **Upadhaya, S.**, Acharya, S., Chettri, B.B.K. Assessing Socio-Economic Factors Affecting the Implementation of PES Mechanisms: A Case Study of Begnas Lake Watershed, Western Nepal. *Ecosystem Services* (*in Review*)

#### BOOKS

- Dahal, K., & **Upadhaya, S.** (2017). Impacts of Micro Enterprises on Livelihoods. A Case Study from Community Forest User Groups of Sindupalchok and Kavrepalanchowk District, Nepal. Lap-Lambert Academic Publishing, Germany.
- Upadhaya, S.** (2014). Dolpo, Where the Snow Leopard Roars. A Booklet on Mammals of Dolpa. Youth for Nature, Nepal.
- Upadhaya, S.** (2013). Dolpo, The Land of Hidden Treasure. Youth for Nature, Nepal.
- Upadhaya, S.** (2012). Spatial Interaction between Snow Leopard's Prey. A Case Study of Shey Phoksundo National Park, Nepal. Lap-Lambert Academic Publishing, Germany.

#### NON-PEER REVIEWED PUBLICATIONS

- Upadhaya, S.** (2012). Dolpa: Where the Snow Leopard Roars: *The Light of Asia* 1(6):40-41.
- Upadhaya, S.** (2012). Dolpa: The Land of Hidden Treasure: *The Light of Asia* 1(4):39-40.
- Upadhaya, S.** (2012). Junior Ranger Program: Initiatives for Biodiversity Conservation, *Himalayas Nepal* 2(1):23.
- Upadhaya, S.** (2009). Dolpa: The Land of Hidden Treasure, *Prabeg*, 2(1):7-11.
- Upadhaya, S.** (2009). An Ecological Overview of the Snow Leopard. *Sunghava* 2(1).

## REPORTS/THESES

- Upadhaya, S.** (2017). Human-Snow Leopard (*Panthera uncia*) Conflict in Northern Nepal-Dolpa. Snow Leopard Network, USA.
- Block, A., Evans, M., Hecht, D., **Upadhaya, S.**, Morris, H., & Gujarathi, S.T. (2017). Atlanta Biodiversity Potential Assessment. The Nature Conservancy (TNC), Atlanta, Georgia.
- Upadhaya, S.** (2015). Use of Landsat Data to Characterize Burn Severity, Forest Structure, and Invasion by Paulownia (*Paulownia tomentosa*) in an Eastern Deciduous Forest. M.S. Thesis, University of Kentucky. [http://uknowledge.uky.edu/forestry\\_etds/23](http://uknowledge.uky.edu/forestry_etds/23)
- Upadhaya, S.** (2011). Spatial Interaction between Snow Leopard's Prey: Blue Sheep and Livestock, A Case Study of Shey Phoksundo National Park, Nepal. B.Sc. Thesis, Tribhuvan University, Nepal.

## MEDIA

The Kathmandu Post (May 30, 2018) The Gold Rush: Harvesting Yarsagumba is Profitable, but such Practices should be Sustainable Too.  
<http://kathmandupost.ekantipur.com/news/2018-05-30/the-gold-rush.html>

## AWARDS & HONORS

- Warnell Faculty Graduate Support Fund - Travel Award 2019
- UGA Graduate Student Scholarship 2019
- President's Special Needs Scholarship, UGA 2018
- Sidney Byers Scholarship, Wildlife Conservation Network. 2019
- Sidney Byers Scholarship, Wildlife Conservation Network. 2017
- The Forestry Graduate Student Award for Excellence in Research, Academic Performance, and Service. Department of Forestry, University of Kentucky. 2015
- Best Poster Award, 4th Annual Research Showcase. Tracy Farmer Institute for Sustainability and the Environment, University of Kentucky, Lexington. 2014
- Third Prize Poster Presentation, Student Conference on Conservation Science, Australia. 2013
- Memorial Award. Highest Score in Forest Management, Tribhuvan University, Nepalese Forester Association. 2012
- Genius Student Scholarship, Kathmandu Forestry College. 2008-2011
- Scholarship, Friends of Dolpa, USA. 2008-2011
- Outstanding Student Award, Kathmandu Forestry College. 2011
- 1st Prize, Poster Competition on Yatra Nepal, World Wetlands Day. 2009
- Outstanding Student, Technical Certificate, 2nd Year. Tribhuvan University. 2006

## MEETING PRESENTATIONS

- Upadhaya, S., & Dwivedi, P.** (2019). Blue over Green? Defining Typologies of Rural Landowners Growing Blueberry in Place of Forests in Georgia, United States. Society of American Foresters (SAF) Conference, Louisville, Kentucky.
- Upadhaya, S., & Dwivedi, P.** (2019). Conversion of Forestlands to Blueberries: Assessing Implications for Habitat Quality in Alabama River Watershed in Southern Georgia, United States. Society of American Foresters (SAF) Conference, Louisville, Kentucky.
- Upadhaya, S., & Poudyal, B.** (2018). Understanding the harvesting trend of Yarchagumba (*Opiocordyceps sinensis*) and its impacts on livelihoods of local people in a northern mountain of Nepal. Rufford Nepal Conference 2018. Kathmandu, Nepal.
- Poudyal, B., Khatiwada, B., Upadhaya, M., & **Upadhaya, S.** (2018). Developing sustainable human-elephant coexistence strategies for the endangered Asian Elephant (*Elephas maximus*) in Eastern Nepal. Rufford Nepal Conference 2018. Kathmandu, Nepal.
- Upadhaya, S., & Dwivedi, P.** (2017). Ascertaining extent of deforestation in southern Georgia due to agricultural expansion: An integrated approach. Society of American Foresters (SAF) Conference, Albuquerque, New Mexico.
- Upadhaya, S., & Dwivedi, P.** (2017). Why expansion in demand for blueberries is responsible for deforestation in Southern Georgia. Understanding through an integrative approach. Warnell Graduate Student Symposium. UGA, Athens.
- Upadhaya, S., & Dwivedi, P.** (2017). Why expansion in demand for blueberries is responsible for deforestation in Southern Georgia. Understanding through an integrative approach. Symposium on Integrative Conservation. UGA, Athens.
- Block, A., Evans, M., Hecht, D., **Upadhaya, S.**, Morris, H., & Gujarathi, S.T. (2017). Planning for urban biodiversity conservation in Atlanta. Symposium on Integrative Conservation. UGA, Athens.
- Upadhaya, S., & Dwivedi, P.** (2016). Why expansion in the demand for blueberries is responsible for deforestation in Southern Georgia. Developing an understanding through an integrative approach. 3rd Annual UGA Sustainability Science Symposium., Athens.
- Upadhaya, S., & Dwivedi, P.** (2016). Assessment of profitability of competing land use systems: Blueberry production vs loblolly pine plantations in Southern Georgia. 2016 Meeting of the International Society of Forest Resource Economics, Raleigh, NC.
- Upadhaya, S., & Dwivedi, P.** (2016). Arresting deforestation through sustainable landscape management. Warnell Graduate Student Association Symposium, Athens, Georgia.
- Upadhaya, S.** (2015). Assessment of burn severity and response of non-native invasive species in an Eastern deciduous forest using Landsat imagery. SOFOR GIS, Athens, Georgia.
- Upadhaya, S., Arthur, M.A., & Contreras, M.** (2014). Assessment of burn severity and response of non-native invasive species in an Eastern deciduous forest using Landsat imagery. Tracy Farmer Institute for Sustainability and the Environment. 4th Annual Research Showcase, Lexington, Kentucky.
- Upadhaya, S., Arthur, M.A., & Contreras, M.** (2014). Assessment of burn severity and response of non-native invasive species in an Eastern deciduous forest using Landsat imagery. Kentucky Academy of Science, Centennial Meeting, Lexington.
- Upadhaya, S.** (2014). Assessment of burn severity using Landsat imagery, Department of Forestry Seminar Series, Lexington.
- Upadhaya, S.** (2014). Use of GIS in forest management in Nepal, Department of Forestry, University of Kentucky, Lexington.
- Upadhaya, S.** (2013). Community-based forest management in Nepal. Ecology Lab Group Meeting, Department of Forestry, University of Kentucky, Lexington.



- Upadhaya, S.** (2013). Human-Snow Leopard conflict: A case study from Shey Phoksundo National Park, Western Nepal, SCCS, University of Queensland, Brisbane, Australia.
- Upadhaya, S.** (2012). Spatial interaction between Snow Leopard's prey: Blue Sheep and livestock, Student Conference on Conservation Science (SCCS), Bangalore, India.
- Upadhaya, S.** (2011). Spatial interaction between the Snow Leopard's prey: Blue Sheep and livestock. Student Seminar, Tribhuvan University, Kathmandu.

#### INVITED PRESENTATIONS

- Upadhaya, S.** (2018). Human dimensions of wildlife conservation in Nepal. Annual Meeting, The Katie Adamson Conservation Foundation, Colorado, USA.

#### GRANTS

(Total \$44,450 )

- |   |      |
|---|------|
| • Cordyceps, mountain, market, and people: Understanding challenges in conservation and sustainable trade of cordyceps in Nepal. Rufford Small Grant for Nature Conservation. \$8,900. PI   | 2019 |
| • UGA Graduate School Travel Grants. \$650  | 2019 |
| • ICON travel grants, 2019. \$300.  | 2018 |
| • Developing sustainable human-elephant coexistence strategies for the endangered Asian Elephant ( <i>Elephas maximus</i> ) in eastern Nepal. Rufford Small Grant for Nature Conservation. \$8,800. Co-PI.  | 2017 |
| • Sustaining cordyceps fungus ( <i>Ophiocordyceps sinensis</i> ) and community's livelihoods: Understanding the economic & ecological impacts of cordyceps harvesting in high mountains, Nepal. Rufford Small Grant for Nature Conservation. \$8,200. PI. | 2016 |
| • Human-Snow Leopard ( <i>Panthera uncia</i> ) conflict in northern Nepal-Dolpa. Snow Leopard Network. \$3,000. PI.   | 2016 |
| • Biodiversity conservation in Dolpa. Ministry of Youth and Sports Nepal, Local Youth Partnership Program. \$2800. Team Leader.   | 2014 |
| • Community-based conservation of Snow leopard in Dolpa. The Mohamed bin Zayed Species Conservation Fund. \$7,450. PI.  | 2013 |
| • Tourism promotion through local youth participation. Ministry of Youth and Sports Nepal, Local Youth Partnership Program. \$1800. Team Leader.  | 2013 |
| • Small-scale Research Grant, SeedTree USA. \$250. Team Leader.   | 2011 |
| • The spatial interaction between Snow Leopard's prey – i.e., blue sheep and livestock (A case study of Shey Phoksundo National Park, Nepal). WWF-Nepal. \$300.   | 2011 |
| • Assessment of spatial interaction between Snow Leopard's prey. Snow Leopard Conservancy. \$500. PI.   | 2011 |
| • Biodiversity conservation in rural Dolpa. Friends of Dolpa. \$1500. Team leader.  | 2011 |

#### ACADEMIC ADVISOR

##### Graduate Committee Member (Tribhuvan University, Nepal)

Kritana Bhandari (MS)	2018-Current
Sarada Tiwari (MS)	2018-Current
Madhuri Khadka (MS)	Graduated (2019)
Beeju Poudyal (MS)	Graduated (2017)

## **Undergraduate Thesis Advisor Committee Member (Tribhuvan University, Nepal)**

Nisham Thapa	2019
Susmita Satyal	2017
Beeju Poudyal	2015

## **APPOINTMENTS**

Director, Himalayan Conservation & Research Institute	2019-2020
Work-Study Scholar, SeedTree Inc.	2010-2012, 2015-2019
Nepal Program Coordinator, SeedTree Inc.	2012-2015
Executive Director, Youth for Nature, Nepal	2013-2018
Executive Assistant, Global Garden Consulting	2011-2013

## **SYNERGISTIC ACTIVITIES**

- Judge, 3MT, Three Minute Thesis Competition. Iowa State University. 2019
- Board Member, International Student Advisory Board, UGA. 2018-2019
- Executive Member, Nepalese Student Association, UGA. 2015-2019
- Treasurer, Organized ICON Network and Cooperative (OINC). 2016, 2017
- Advisor, Rural Educational Social and Environmental Conservation Team. 2014-current
- Mentor, Undergraduate Mentoring Program, Warnell Grad. Student Assoc. 2018
- Mentor, Shop with a Bulldawg, UGA. 2018
- Executive member, Nepalese Student Association, University of Kentucky. 2013-2015

## **LANGUAGES**

Nepali (Native)  
English (Fluent)  
Hindi (Fluent)

## **PROFESSIONAL MEMBERSHIPS**

Member, Society of American Foresters (SAF)  
International Association of Landscape Ecology (IALE-North America)  
Member, Society of Conservation Biology  
Member, American Association of Geographers (AAG)  
Life Member, Nepal Foresters Association  
Member, Bio-Cultural Diversity Thematic Group of the Ramsar Culture Network  
Member and Founder, Youth for Nature, Dolpa, Nepal  
Member and Founder, Himalayan Conservation & Research Institute, Nepal  
Member and Founder, Rural Educational Social and Environmental Conservation Team, Dolpa Nepal  
Member, Akasha Academy, Nepal  
Member, Snow Leopard Network

## **REVIEWERS**

Land Use Policy (5)  
Human Ecology (2)  
The Initiation (3)  
Ethnobotany Research & Applications (1)  
Nepal Journal of Environmental Science (Nep J Environ Sci) (1)



## **PROFESSIONAL SKILLS AND SOFTWARE**

ArcGIS, IDRISI, ERDAS Imagine, TerrSet, Google Earth Engine, FRAGSTATS, SiMS, FVS INVEST, Land Change Modeller, R, JMP, SPSS, SAS, Matlab, @RISK  
GPS, Compass, Map Reading  
Microsoft Excel, Word, PowerPoint, Outlook

## **COUNTRIES VISITED**

Australia, Ireland, China, Tibet, India, Turkey, Canada

## **COLLABORATORS**

### **University of Georgia, Athens, GA**

- Puneet Dwivedi (Sustainability)
- Jeff Hepinstall-Cymerman (Landscape Ecology)
- Marguerite Madden (Geography)
- Esendugue Greg Fonsah (Ag Economics)
- Robert L. Izlar (Forestry)

### **Iowa State University, Ames, IA**

- Lisa A. Schulte Moore (Natural Resource Ecology and Management)
- J. Arbuckle (Rural Sociology)

### **University of Maine, Orono, ME**

- Robert Lilieholm (Forestry)
- Suman Acharya (Anthropology)
- Brian Roth (Forestry)

### **University of California, Berkeley, CA**

- Jared Stapp (Environmental Science and Policy)

### **Australian National University, Canberra**

- Peter Bridgewater (Ecosystem Services)

### **University of Kentucky, Lexington, KY**

- Mary Arthur (Forest Ecology)
- Marco A. Contreras (Geo-spatial Analysis)

### **Oregon State University, Corvallis, OR**

- Chantal Tumpach (Forest Policy)

### **SeedTree Inc, Maine**

- Carol Kinsey

### **Tribhuvan University, Nepal**

- Sarada Tiwari
- Kritana Bhandari

### **Himalayan Conservation and Research Institute, Dolpa, Nepal**

- Beeju Poudyal
- Pratigya Gyawali

### **Care Nepal**

- Nabin Dhungana

### **Katie Adamson Conservation Foundation, Denver, CO**

David Johnson

## PROFESSIONAL REFEREES

Dr. Lisa A. Schulte Moore (Post-doc Supervisor)  
Professor of Natural Resource Ecology & Management  
Iowa State University  
2310 Pammel Dr, Sciences II, Ames, IA 50011  
Tel: 515-294-7339; Email: lschulte@iastate.edu

Dr. Puneet Dwivedi (Ph.D. Advisor)  
Associate Professor (Sustainability Sciences)  
Warnell School of Forestry and Natural Resources  
University Georgia  
180 E Green Street, Athens, GA 30602  
Tel: 706-542-2406; Email: puneetd@uga.edu

Dr. Marguerite Madden (Member-Doctoral Committee)  
Director and Professor, Center for Geospatial Research (CGR)  
Department of Geography  
University Georgia  
Athens, GA 30602  
Tel: 706-542-2379; Email: mmadden@uga.edu