

SURAJ UPADHAYA
Postdoctoral Research Associate
Department of Natural Resource Ecology and Management
Iowa State University, 2310 Pammel Drive, 339 Science II, Ames, IA 50011

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EDUCATION

- 2019 **Doctor of Philosophy (Ph.D.)**
Integrative Conservation and Forestry
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.*
- 2015 **Masters of Science (MS)**
Forestry
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.*
- 2012 **Bachelor of Science (BSc.)**
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.*
- 2009 **Certificate in Disaster Management**
Indira Gandhi National Open University
Maidan Garhi, New Delhi, India
- 2007 **Technical Certificate (ISc.)**
Forestry
Institute of Forestry
Tribhuvan University, Pokhara, Nepal

RESEARCH EXPERIENCES

- 2019-Present Postdoctoral Research Associate
Department of Natural Resource Ecology and Management
Iowa State University, Ames, IA
- 2015-2019 Graduate Research Assistant
Dwivedi Forest Sustainability Lab
Warnell School of Forestry and Natural Resources
University of Georgia, Athens, GA
- 2015-2019 Graduate Assistant
Integrative Conservation of Nature and Forestry, ICON PhD
University of Georgia, Athens, GA

2013-2015 Graduate Research Assistant
Department of Forestry
University of Kentucky, Lexington, KY
2017 Research Intern
Jagriti, Kullu, India

PEER-REVIEWED PUBLICATIONS (28)

[Google Scholars](#)

1. **Upadhaya, S.**, Arbuckle, J.G. (2021). Examining Factors Associated with Farmers' Climate-adaptive and Maladaptive Actions in the US Midwest. *Front. Clim.* 3, 70.
<https://doi.org/doi:10.3389/fclim.2021.677548>
2. **Upadhaya, S.**, Arbuckle, J.G. (2021). Understanding Factors Influencing Farmers' Engagement in Watershed Management Activities. *Front. Sustain. Food Syst.*
<https://doi.org/10.3389/fsufs.2021.669571>
3. Raut, S., **Upadhaya, S.**, Godar Chhetri, S., & Joshi, M.R. (2021). Assessing Governance Status: Learning from Community Forest User Groups, Nepal. *Journal of Forest and Natural Resource Management* 2 (1). DOI: <https://doi.org/10.3126/jfnrm.v2i1.40217>
4. Acharya, S., Sharma, H.P., Bhatara, R., Poudyal, B., Sharma, S., & **Upadhaya, S.** (2021). Distribution and Habitat Preferences of the Chinese Pangolin *Manis pentadactyla* (Mammalia: Manidae) in the Mid-hills of Nepal. *Journal of Threatened Taxa* 13(8): 18959–18966. <https://doi.org/10.11609/jot.3952.13.8.18959-18966>
5. Poudyal, B., **Upadhaya, S.**, Acharya, S., & Khanal-Chhetri, B.B. (2021). Assessing Socio-economic Factors Affecting the Implementation of Payment for Ecosystem Services (PES) Mechanism. *World*, 2(1):81-91. <https://doi.org/10.3390/world2010006>
6. Prasai, R., Kafley, H., **Upadhaya, S.**, Thapa, S., Shrestha, P., Dudley, A., Timilsina, Y.P. (2021). Population Status and Distribution of the Critically Endangered Bengal Florican *Houbaropsis bengalensis* in the Grassland of Koshi Tappu Wildlife Reserve, Nepal. *Journal of Threatened Taxa* 13 (9): 19293-19301. <https://doi.org/10.11609/jott.6503.13.9.19293-19301>
7. **Upadhaya, S.**, Arbuckle, J.G., & Schulte, L.A. (2020). Developing Farmer Typologies to Inform Conservation Outreach in Agricultural Landscapes. *Land Use Policy*
<https://doi.org/10.1016/j.landusepol.2020.105157>
8. **Upadhaya, S.**, Arbuckle, J.G., & Schulte, L.A. Individual and county-level factors influence farmers' use of 4Rs Plus nutrient management practices. *Journal of Soil and Water Conservation* (Under Review).
9. Belbase, K., Godar Chhetri, S., **Upadhaya, S.**, & Poudel, A.S. 2021. Understanding the impacts of forest management in Sal (*Shorea robusta*) dominant forest stands in the western lowlands of Nepal. *Small Scale Forestry* (Under Review)
10. **Upadhaya, S.**, Tiwari, S., Godar Chhetri, S., & Poudyal, B. Local People's Perception on the Impacts and Importance of Ecotourism in Central Nepal. *Plos One* (R1)
11. Adhikari, S., Dhungana, N., & **Upadhaya, S.** (2020). Watershed Communities' Livelihood Vulnerability to Climate Change in the Himalayas. *Climatic Change*. 162, 1307-1321
<https://doi.org/10.1007/s10584-020-02870-8>

12. Dhungana, N., Silwal, N., **Upadhaya, S.**, Khadka, C., Regmi, SK., Joshi, & S, Adhikari. (2020). Rural Coping and Adaptation Strategies for Climate Change by Himalayan Communities in Nepal. *Journal of Mountain Science* 17(6). <https://doi.org/10.1007/s11629-019-5616-3>
13. Ghimire, P., Raut, N., Khanal, P., Acharya, S., & **Upadhaya, S.** (2020). Species in Peril: Assessing the Status of the Trade of Pangolins in Nepal. *Journal of Threatened Taxa* 12(8) 15776-15783.
14. Khanal, P., Wagle, B.H., **Upadhaya, S.**, Ghimire, P., & Acharya, S. (2019). Perceived Climate Change Impacts and Adaptation Strategy of Indigenous Community (Chepang) in Rural Mid-hills of Nepal. *Forestry: Journal of Institute of Forestry, Nepal*. 16: 48-61. DOI: <https://doi.org/10.3126/forestry.v16i0.28353>
15. **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: <https://doi.org/10.1016/j.agsy.2019.01.002>
16. **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>
17. **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>
18. 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.
19. Tiwari, S., & **Upadhaya, S.** (2019). Local People Perception Towards the Impact of Ecotourism on their Livelihood (A Case Study from Chitwan National Park, Nepal). *International SAARC Youth Scientific Conference (IYSC)*.250-256.
20. 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. <https://doi.org/10.1186/s42408-018-0013-9>
21. Dhungana, N., Silwal, N., **Upadhaya, S.**, Regmi, S.K., & Adhikari, 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.
22. 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>
23. 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.
24. 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>

25. 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>
26. 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>
27. Gauli, B., & **Upadhaya, S.** (2014). Reducing Emissions from Deforestation and Forest Degradation (REDD) in Nepal. A Review. *The Initiation* 5:75-83.
28. Bridgewater, P., & **Upadhaya, S.** (2013). Model Forest and its Prospect in Nepal. *The Initiation* (4)120–124.
29. **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>
30. **Upadhaya, S.** (2010). Energy Crisis and Nepal’s Potentiality. *The Initiation* 2(1):130–135. DOI: <https://doi.org/10.3126/init.v2i1.2534>
31. **Upadhaya, S.** (2009). Herbal Resources of Dolpa, The Nature; *The Journal for Green Revolution* 1(1):71-73.

REPORTS & THESES (7)

1. **Upadhaya, S.**, Arbuckle, J.G., Jordhal, J., Nowatzke, L., & Schulte, LA (2022). Agricultural practice adption. In Schulte Moore L, Jordahl J, (Eds.), *Carbon Science for Carbon Markets: Emerging Opportunities in Iowa*. CROP 3175. Iowa State University Extension and Outreach, Ames, Iowa.
2. Plastina, A., Arbuckle, J.G., Crespi, J., & **Upadhaya, S.** (2022). Carbon markets, past and present. In Schulte Moore L, Jordahl J, (Eds.), *Carbon Science for Carbon Markets: Emerging Opportunities in Iowa*. CROP 3175. Iowa State University Extension and Outreach, Ames, Iowa.
3. **Upadhaya, S.** (2019). 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. Ph.D. Dissertation, University of Georgia http://dbs.galib.uga.edu/cgi-bin/getd.cgi?userid=galileo&action=search&_cc=1
4. **Upadhaya, S.** (2017). Human-Snow Leopard (*Panthera uncia*) Conflict in Northern Nepal- Dolpa. Snow Leopard Network, USA.
5. Block, A., Evans, M., Hecht, D., **Upadhaya, S.**, Morris, H., & Gujarathi, S.T. (2017). Atlanta Biodiversity Potential Assessment. The Nature Conservancy (TNC), Atlanta, Georgia.
6. **Upadhaya, S.** (2015). Use of Landsat Data to Characterize Burn Severity, Forest Structure, and Invasion by *Paulownia* (*Paulownia tomentosa*) in an Eastern Deciduous Forest. Masters Thesis, University of Kentucky. http://uknowledge.uky.edu/forestry_etds/23
7. **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.

BOOKS & BOOK CHAPTERS (6)

1. Bridgewater, P., **Upadhaya, S.**, Poudyal, B., Kunwar, R.M., Bussmann, R.W., & Paniagua-Zambrana N.Y. (2021) *Nigella sativa* L. Ranunculaceae. In: Kunwar R., Sher H., Bussmann R.W. (eds) *Ethnobotany of the Himalayas. Ethnobotany of Mountain Regions*. Springer, Cham. https://doi.org/10.1007/978-3-030-45597-2_162-1
2. 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.
3. Paudel, A., Parajuli, R., **Upadhaya, S.**, Kunwar, R.M., Bussmann, R.W., Paniagua-Zambrana, N.Y. (2021) *Parnassia nubicola* Wall. ex Royle. Celastraceae. In: Kunwar R.M., Sher H., Bussmann R.W. (eds) *Ethnobotany of the Himalayas. Ethnobotany of Mountain Regions*. Springer, Cham. https://doi.org/10.1007/978-3-030-45597-2_175-1
4. **Upadhaya, S.** (2012). *Spatial Interaction between Snow Leopard's Prey. A Case Study of Shey Phoksundo National Park, Nepal*. Lap-Lambert Academic Publishing, Germany.
5. **Upadhaya, S.** (2013). *Dolpo, The Land of Hidden Treasure*. Youth for Nature, Nepal.
6. **Upadhaya, S.** (2014). *Dolpo, Where the Snow Leopard Roars. A Booklet on Mammals of Dolpa*. Youth for Nature, Nepal.

BLOGS & OUTREACH

1. Bridgewater, P., & **Upadhaya, S.** (2022). What is biocultural diversity, and why does it matter? The Conversation. Available online <https://theconversation.com/what-is-biocultural-diversity-and-why-does-it-matter-168881>
2. **Upadhaya, S.** (2018). The Gold Rush: Harvesting Yarsagumba is Profitable, But Such Practices Should be Sustainable Too. The Kathmandu Post (May 30, 2018). <http://kathmandupost.ekantipur.com/news/2018-05-30/the-gold-rush.html>
3. **Upadhaya, S.**, & Upadhaya, A (2020). Dolpa Bhatta Aatkaune Paisa Latkaune. (in Nepali). Kantipur (Dec 17, 2020). https://ekantipur.com/opinion/2020/12/18/160826063490398060.html?fbclid=IwAR2cmV-9pnHpRA1jRAYcAKwPpqA8NmFNRuD3e4ndOh_zC144Hr9yuvNbGY8
4. **Upadhaya, S.** & Upadhaya, A (2020) Corona kal ma Yarchagumna Sankalan (Cordyceps Harvesting during COVID19). (in Nepali). Kantipur (May 6, 2020) https://ekantipur.com/opinion/2020/05/06/15887399185814664.html?fbclid=IwAR2rQ_9pX3wBnMutcw3EkwP-BDj7oYUpTwEe7ZZqPkOsFhvsomWfVGVyWP4
5. **Upadhaya, S.** (2020). पर्यावरण विनाशले महामारी फैलाउने भाइरस भित्र्याउन सघाउँछ (Degradation of Environment and COVID 19). (in Nepali) Naya Patrika (Mar 11, 2020) <https://www.nayapatrikadaily.com/news-details/41008/2020-04-11>
6. **Upadhaya, S.** (2012). Dolpa: Where the Snow Leopard Roars: The Light of Asia 1(6):40-41.
7. **Upadhaya, S.** (2012). Dolpa: The Land of Hidden Treasure: The Light of Asia 1(4):39-40
8. **Upadhaya, S.** (2012). Junior Ranger Program: Initiatives for Biodiversity Conservation, Himalayas Nepal 2(1):23.
9. **Upadhaya, S.** (2009). Dolpa: The Land of Hidden Treasure, Prabeg, 2(1):7-11.
10. **Upadhaya, S.** (2009). An Ecological Overview of the Snow Leopard. Sunghava 2(1)

INVITED PRESENTATIONS

1. **Upadhaya, S.** (2021). Iowa farmer personality types and conservation outreach. Iowa Farmers Union. June 10, 2021.
2. **Upadhaya, S.** (2021). Human-snow leopard conflict in northern Nepal. A case from Dolpa. Scientific Research Promotion Program, Education Development Directorate, Ministry of Social Development, Karnali Province Nepal. April 17, 2021.
3. **Upadhaya, S.** & Arbuckle, J.G. (2021). Evaluation of 4R Plus programs in Iowa. 4R Plus stakeholders meeting, The Nature Conservancy, Iowa, March 25, 2021.
4. Arbuckle, J.G., & **Upadhaya, S.** (2020). Market research to support PFI cover crops outreach, Iowa farmers: types and characteristics, part II. Presented to Practical Farmers of Iowa. November 25, 2020.
5. **Upadhaya, S.** & Arbuckle, J.G.(2020). Research plan: Evaluation of the impact of 4R Plus programs in Iowa. 4R Plus stakeholders meeting, The Nature Conservancy, Iowa. July 15, 2020.
6. **Upadhaya, S.** & Arbuckle, J.G. (2020). Market research to support PFI cover crops outreach, Iowa farmers: types, characteristics, and perspectives on cover crops. Presented to Practical Farmers of Iowa. July 24, 2020.
7. **Upadhaya, S.** (2018). Human dimensions of wildlife conservation in Nepal. Annual meeting, The Katie Adamson Conservation Foundation, Colorado, USA.

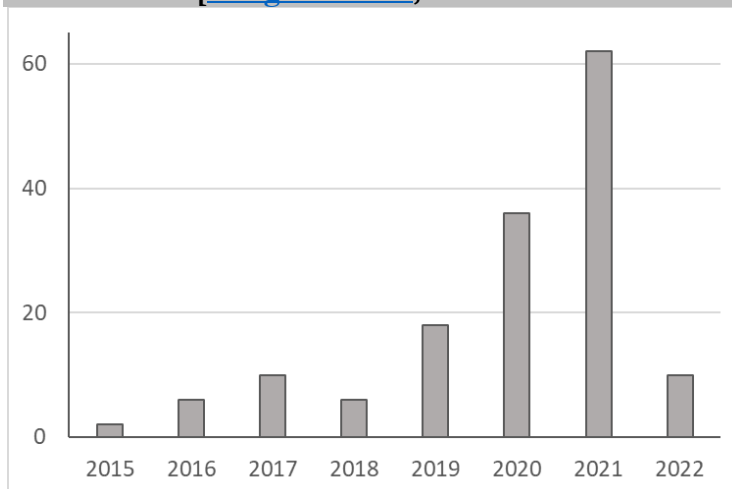
CONFERENCE PRESENTATIONS (28)

1. **Upadhaya, S.,** Arbuckle, J.G., & Schulte, LA (2022). Defining typologies of farmer to inform conservation outreach in agricultural landscapes. Integrative Conservation Conference (ICC), Virtual. Feb 3-5, 2022.
2. **Upadhaya, S.,** Arbuckle, J.G., & Schulte, LA (2021). Developing farmer typologies to inform conservation outreach in agricultural landscapes. Society of Americal Foresters (SAF) National Convention, Virtual. Nov 3-6, 2021.
3. **Upadhaya, S.,** Arbuckle, J.G., & Schulte LA (2021). Individual and county-level influences on Iowa farmers' use of 4Rs Plus soil and water conservation practices. 76th Soil and Water Conservation Society (SWCS) International Annual Conference. Virtual. July 26-28, 2021.
4. **Upadhaya, S.,** Arbuckle, J.G., & Schulte, LA (2021). Developing farmer typologies to inform soil and water conservation outreach in Iowa's agricultural landscapes. American Association of Geographers (AAG) Annual Meeting, Virtual. April 7-11, 2021.
5. **Upadhaya, S.,** Arbuckle, J.G., Frautschy, P. & Schulte, LA (2021). A multi-level analysis of individual and county-level factors influencing farmers' use of 4Rs Plus nutrient management practices. Iowa Water Conference, Virtual. April 6-8, 2021.
6. **Upadhaya, S.,** Arbuckle, J.G., & Schulte, LA (2020). Developing farmer typologies to inform soil and water conservation outreach in Iowa's agricultural landscapes. Poster presented at Soil and Water Conservation Society (SWCS) International Annual Conference, Des Moines, IA, USA. July 27-29, 2020.

7. **Upadhaya, S.**, Schulte, L.A., Valek, R. (2020). People in ecosystem/watershed integration (PEWI): A tool to assess dynamics land-use and ecosystem services tradeoffs. Poster presented at IALE-North America Annual Meeting, Toronto, Canada. May 11-14, 2020.
8. **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. October 30-Nov 3, 2019.
9. **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. October 30-Nov 3, 2019.
10. **Upadhaya, S.**, & Dwivedi, P. (2019). Impact of land use and land cover changes on the habitat quality in an agriculture-dominated watershed in southern Georgia. American Association of Geographers (AAG) Annual Meeting, Washington, DC. April 3-6, 2019.
11. **Upadhaya, S.**, & Poudyal, B. (2018). Understanding the harvesting trend of Yarchagumba (*Opiocordyceps sinensis*) and its impacts on the livelihoods of local people in a northern mountain of Nepal. Rufford Nepal Conference 2018. Kathmandu, Nepal.
12. 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.
13. **Upadhaya, S.**, & Dwivedi, P. (2017). Ascertaining the extent of deforestation in southern Georgia due to agricultural expansion: An integrated approach. Society of American Foresters (SAF) National Convention, Albuquerque, New Mexico.
14. **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.
15. **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.
16. 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.
17. **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.
18. **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.
19. **Upadhaya, S.**, & Dwivedi, P. (2016). Arresting deforestation through sustainable landscape management. Warnell Graduate Student Association Symposium, Athens, Georgia.
20. **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.

21. **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.
22. **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.
23. **Upadhaya, S.** (2014). Assessment of burn severity using Landsat imagery, Department of Forestry Seminar Series, Lexington.
24. **Upadhaya, S.** (2014). Use of GIS in forest management in Nepal, Department of Forestry, University of Kentucky, Lexington.
25. **Upadhaya, S.** (2013). Community-based forest management in Nepal. Ecology Lab Group Meeting, Department of Forestry, University of Kentucky, Lexington.
26. **Upadhaya, S.** (2013). Human-Snow Leopard conflict: A case study from Shey Phoksundo National Park, Western Nepal, SCCS, University of Queensland, Brisbane, Australia.
27. **Upadhaya, S.** (2012). Spatial interaction between Snow Leopard's prey: Blue Sheep and livestock, Student Conference on Conservation Science (SCCS), Bangalore, India.
28. **Upadhaya, S.** (2011). Spatial interaction between the Snow Leopard's prey: Blue Sheep and livestock. Student Seminar, Tribhuvan University, Kathmandu.

CITATIONS [[Google Scholar](#), Total 151 Citations on February 22, 2022]



TEACHING EXPERIENCES

- Spring 2021 Instructor, Iowa State University, Ames, IA
 Ecosystem Management (1 section, 26 students)
Lectured, mentored students, and graded assignments on theory, tools, and methods of ecosystem management.
- Spring 2020 Co-Instructor, Iowa State University, Ames, IA
 Ecosystem Management (1 section, 34 students)
Lectured, mentored students, and graded assignments on theory, tools, and methods of ecosystem management.

Fall 2018 & Spring 2019 Graduate Teaching Assistant, University of Georgia, Athens, GA
Economics of Renewable Resources (2 sections, 70 students)
Lectured, mentored students, and graded assignments on theory, tools and methods of economic analysis of renewable resources.
Society and Natural Resources (2 sections, 90 students)
Mentored students and graded assignments on fundamentals of society and natural resources.

Fall 2013 Graduate Teaching Assistant, University of Kentucky, Lexington, KY
Forest Management (1 section, 20 students)
Lectured, mentored students, and graded assignments on the fundamentals of managing forests for timber and non-timber production at the stand and forest level.

Fall 2013 & Fall 2014 Graduate Teaching Assistant, University of Kentucky, Lexington, KY
Geographic Information Systems (GIS) in Forestry (1 section, 25 students)
Lectured, mentored students, and graded assignments on theory, tools, and methods in the principles and operations of geographic information systems (GIS).

2004-2008 Teacher, Dunai Boarding School, Dolpa, Nepal
English, Science, and Environmental Education, grades 5-8 from rural Dolpa (part-time).

2006 Self-Help Environmental Awareness Camp, Pokhara, Nepal
Taught environmental education to students of grades 9 and 10 at Suryodaya Secondary School, Kathmandu, Nepal.

AWARDS & HONORS

Science and Research Promotion Award, Education Development Directorate, Karnali Province, Nepal	2021
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

GRANTS

Advancing a new biobased value chain in the Corn belt to improve climate resilience, water quality, and rural vitality (aka biogas renewal). Walton Family Foundation. \$546,402. Co-PI (<i>Pending</i>)	2022
Land use land cover change and their implications for human-elephant conflict in Eastern Nepal. Rufford Small Grant for Nature Conservation. \$9,800 Co-PI	2021
Market research to support cover crops outreach in Iowa. Practical Farmers of Iowa (PFI). \$19,751 Co-PI	2020
Evaluation of the impact of 4R plus programs in Iowa. The Nature Conservancy (TNC). \$33,695 Co-PI	2020
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 ADVISING AND MENTORING

Graduate Committee Member (Tribhuvan University, Nepal)

Current MS Students

Santosh Paudel (MS)	2020-present
Sadhana Ranabhat (MS)	2020-present
Sita Dahal (MS)	2021-present

Past MS Students

Kritana Bhandari (MS)	Graduated (2020)
Sarada Tiwari (MS)	Graduated (2020)
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

Committee Member, Diversity, Equity, and Inclusion. NREM Iowa State University	2021
Executive Board Member, SeedTree Inc	2020
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, Soil and Water Conservation Society (SWCS)
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

PEER REVIEWER

Small Scale Forestry | Journal of Forestry | Land Use Policy | Human Ecology
| Climate | Environment Development and Sustainability | Ethnobotany Research & Applications
| Nepal Journal of Environmental Science (Nep J Environ Sci) | River Research and Application

|The Initiation| People and Nature| Canadian Journal of Forest Research| Mitigation and Adaptation Strategies for Global Change | Sustainable Water Resources Management | LAND| Frontiers in Sustainable Food Systems | World | Current Research in Environmental Sustainability| Plos One | Sustainability

PROFESSIONAL SKILLS AND SOFTWARE

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

PROFESSIONAL REFEREES

Dr. Lisa A. Schulte Moore (Post-doc co-supervisor)

Professor

Natural Resource Ecology and Management

Iowa State University

2310 Pammel Dr, Sciences II, Ames, IA 50011

Tel: 515-294-7339

Email: lschulte@iastate.edu

Dr. J. Gordon Arbuckle Jr. (Post-doc co-supervisor)

Professor

Department of Sociology

Iowa State University

510 Farm House Ln.

Ames, IA 50011

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Email: arbuckle@iastate.edu

Dr. Puneet Dwivedi (Ph.D. Advisor)

Associate Professor (Sustainability Sciences)

Warnell School of Forestry and Natural Resources

University of Georgia

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