
SURAJ UPADHAYA

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EDUCATION

Doctor of Philosophy (Ph.D.) 2019

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.

Masters of Science (MS) 2015

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.

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 2009

Indira Gandhi National Open University

Maidan Garhi, New Delhi, India

Technical Certificate (ISc.) 2007

Forestry

Institute of Forestry

Tribhuvan University, Pokhara, Nepal

RESEARCH AND TEACHING INTERESTS

Ecosystem services	Human-dimensions of natural resources	Sustainability
Natural resource 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	Agri-food systems	

RESEARCH EXPERIENCES

Postdoctoral Research Associate Department of Natural Resource Ecology and Management Iowa State University, Ames, IA	2019-Current
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	2015-2019
Graduate Research Assistant Department of Forestry University of Kentucky, Lexington, KY	2013-2015
Research Intern Jagriti, Kullu, India	2017-2017

TEACHING EXPERIENCES

Instructor 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
Graduate Teaching Assistant University of Georgia, Athens, GA Economics of Renewable Resources (2 sections, 70 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 sections, 90 students) <i>Mentored students and graded assignments on fundamentals of society and natural resources.</i>	Spring 2019, Fall 2018
Graduate Teaching Assistant 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

- Upadhaya, S.,** Gordon, J.A., & 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>
- 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>
- Dhungana, N., Silwal, N., **Upadhaya, S.**, Khadka, C., Regmi, S.K., 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>
- 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.
- 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>
- 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.agry.2019.01.002
- 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>
- 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>
- 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.
- 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.

- 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.**, Gordon, J.A & Schulte, L.A. A multi-level analysis of individual and county-level factors influencing farmers' use of 4Rs Plus nutrient management practices. (*in preparation*)
- Upadhaya, S.**, & Gordon, J.A. Understanding Factors Influencing Farmers' Engagement in Watershed Management Activities. *Water Resources Research* (*in review*).
- Upadhaya, S.**, Tiwari, S., Godar Chhetri, S., & Poudyal, B. Local People's Perception on the Impacts and Importance of Ecotourism in Central Nepal. *Human Ecology* (*in review*)
- Poudyal, B., **Upadhaya, S.**, Acharya, S & Chhetri, B.B. Assessing Socio-economic Factors Affecting the Implementation of Payment for Ecosystem Services (PES) Mechanism. *Environment Development and Sustainability* (*in review*).
- 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*).
- Raut, S.**, Upadhaya, S., Godar Chhetri, S., & Joshi, MR. Assessing the Status of Governance of Community Forestry in the Mid-hills of Nepal. *Journal of Forest and Natural Resource Management*. (R2).

- Acharya, S., **Upadhaya, S.**, Sharma, H., Bhattarai, R., Poudyal, B., Sharma, S. Distribution and Habitat Preference of Chinese Pangolin (*Manis pentadactyla*) in Mid-Hills of Nepal. *Journal of Threatened Taxa (R2)*.
- 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. *Environment Development and Sustainability (in review)*.

BOOKS & BOOK CHAPTERS

- 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
- 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
- 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.** (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
- 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 (INC), 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
- 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.

NEWSPAPER ARTICLES

- 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>
- Upadhaya, S., & Upadhaya, A** (2020). Dolpa Bhatto Aatkaune Paisa Latkaune. (in Nepali). Kantipur (Dec 17, 2020).
https://ekantipur.com/opinion/2020/12/18/160826063490398060.html?fbclid=IwAR2cmV-9pnHpRA1jRAycAKwPpqA8NmFNRuD3e4ndOh_zC144Hr9vuvNbGY8
- 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
- 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>

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., Gordon, JA., & 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.

- Upadhaya, S.,** Schulte, LA., 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.
- 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

- Gordon, JA & **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.
- Upadhaya, S.** & Gordon, JA (2020). Research plan: Evaluation of the impact of 4R Plus programs in Iowa. 4R Plus stakeholders meeting, The Nature Conservancy, Iowa. July 15, 2020.
- Upadhaya, S.** & Gordon, JA. (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.
- Upadhaya, S.** (2018). Human dimensions of wildlife conservation in Nepal. Annual meeting, The Katie Adamson Conservation Foundation, Colorado, USA.

GRANTS

(Total \$97,896)

- | | |
|---|------|
| • 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 ADVISOR & MENTORSHIP

Graduate Committee Member (Tribhuvan University, Nepal)

Current MS Students

Santosh Paudel (MS)	2020-present
Sadhana Ranabhat (MS)	2020-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

- 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

REVIEWERS

Land Use Policy (9) | Human Ecology (2) | Ethnobotany Research & Applications (1) | Nepal Journal of Environmental Science (Nep J Environ Sci) (1) | River Research and Application (1) | The Initiation (3) | Small Scale Forestry (2) | People and Nature (3) | Environment Development and Sustainability (3) | Canadian Journal of Forest Research (1) | Mitigation and Adaptation Strategies for Global Change (1) | Sustainable Water Resources Management (2) | LAND (1) | Frontiers in Sustainable Food Systems (1) | World (1) | Current Research in Environmental Sustainability (1)

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

COUNTRIES VISITED

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

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
Tel: 515-294-1497; Email: arbuckle@iastate.edu

Dr. Puneet Dwivedi (Ph.D. Advisor)

Associate Professor (Sustainability Sciences)
Warnell School of Forestry and Natural Resources
University of Georgia
180 E Green Street, Athens, GA 30602
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