

CURRICULUM VITAE

University of Idaho

NAME: Subodh Adhikari

DATE: 12/13/2023

RANK OR TITLE: Research Assistant Professor

DEPARTMENT: Entomology, Plant Pathology & Nematology

OFFICE LOCATION AND CAMPUS ZIP:

875 Perimeter Drive
MS 2329,
Moscow, ID 83844

OFFICE PHONE: 208-885-3776

FAX: N/A

EMAIL: subodha@uidaho.edu

WEB:

DATE OF FIRST EMPLOYMENT AT UI: 06/12/2018

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: 09/04/2023

EDUCATION BEYOND HIGH SCHOOL:

Ph.D., 2018, Agroecology, Montana State University, Bozeman, MT
MS, 2013, Biology, Wichita State University, Wichita, KS
MSc, 2003, Botany/Plant Ecology, Tribhuvan University, Kathmandu, Nepal
BSc, 1999, Biology, Tribhuvan University, Kathmandu, Nepal

Additional Coursework for Credit:

Communicating Ecosystem Science

EXPERIENCE:

Teaching, Extension and Research Appointments:

Research Assistant Professor, University of Idaho, USA (September 2023-present)
Postdoctoral Researcher, University of Idaho, USA (June 2018-August 2023)
Graduate Research Assistant, Montana State University, MT, USA (June 2013-June 2018)
Graduate Research Assistant, Wichita State University, KS, USA (August 2011-May, 2013).

Academic Administrative Appointments:

Science Program Coordinator, Shubhashree College, Kathmandu, Nepal: January 2006-January 2010.

TEACHING ACCOMPLISHMENTS: (Academic and Extension teaching)

Areas of Specialization: Agroecology

Courses Taught:

ENT 441/541, Advance Insect Ecology (Fall 2023), University of Idaho. (Instructor)
ENSC 110, Introduction to Land Resources Environmental Sciences (Fall 2016 and Fall 2017). Montana State University. (Graduate Teaching Assistant)
Biology 210, Introduction to Biology Lab (Spring 2012, fall 2012, spring 2013). Wichita State University. (Graduate Teaching Assistant).
ENV 101/102, ENV 201/202, and ENV 301/302, BS Environmental Science courses (June 2003-July 2011). Tribhuvan University, Nepal. (Instructor)
Biology I & II. (July 2010- July 2011). National Campus, Kathmandu, Nepal. (Part time instructor).

Students Advised:

20 (undergraduates from Tribhuvan University)

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:**Conference and professional meeting talks:**

- Adhikari, S.** and S. D. Eigenbrode. 2023. Twelve Years of Monitoring a Newly Invasive Aphid in the Pacific Northwest: What Have we Learned? Pacific Branch of Entomological Society of America Meeting (Apr 2-5).
- Adhikari, S.** and S. D. Eigenbrode. 2022. Effects of cover cropping and landscape diversity on insect pests, predators, and pollinators in cereal-dominated landscapes of inland Pacific Northwest, USA. Entomological Society of America annual meeting (Nov 13- 16).
- Adhikari, S.,** R. E. Clark, J. J. Hinds, and S. D. Eigenbrode. 2021. Fifteen years of pea aphid and legume virus monitoring in the Palouse: lessons learned and ways forward. Entomological Society of America annual meeting (Oct 31-Nov 3). (*Invited*)
- Adhikari, S.,** I.C. Burke, and S.D. Eigenbrode. 2021. Floral scents and flower visitors of a global invader: *Anthemis cotula* L. Pacific Branch of Entomological Society of America Meeting (Apr 5-7).
- Adhikari, S.,** I. C. Burke, and S. D. Eigenbrode. 2020. Impacts of climate-change-resilient cropping systems on beneficial insects in the Pacific Northwest, USA. Entomological Society of America annual meeting (Nov 11-25).
- Adhikari, S.,** I. C. Burke, and S. D. Eigenbrode. 2020. Impacts of climate-change-resilient cropping systems on beneficial insects in the Pacific Northwest, USA. Entomological Society of America annual meeting (Nov 11-25).
- Adhikari, S.,** I. C. Burke, and S. D. Eigenbrode. 2020. High trait variation within and among the transcontinental populations of a global invader *Anthemis cotula* L. (Mayweed chamomile). Weed Science Society of America, Maui, HI, USA (March 1-6).
- Adhikari, S.,** IC Burke, and S. D. Eigenbrode 2019. Floral scents and flower visitors of a global invader: *Anthemis cotula* L. Annual Research symposium: Center for Health in the Human Ecosystem, Moscow, ID, (Oct 15).
- Adhikari, S.,** L. A. Burkle, K. M.O'Neill, D. K. Weaver, and F. D. Menalled 2017. Impacts of dryland farming systems on bee communities and bee-flower networks in the Northern Great Plains. Entomological Society of America Meeting, Denver, CO, USA (November 5-8).
- Adhikari, S.** 2017. How does conventional and organic farming affect bee-flower networks in the Northern Great Plains? Three Minute Research Competition. Graduate School, Montana State University, Bozeman, MT, USA (Oct 19).
- Adhikari, S.,** L. A. Burkle, K. M.O'Neill, D. K. Weaver, and F. D. Menalled 2016. Effects of agricultural management systems on natural habitat distribution and pollinators in the Northern Great Plains (poster). Graduate Student Summit Research Rendezvous Poster Session MSU- Graduate School, Bozeman, MT (September 14- 15).
- Adhikari, S.,** L. A. Burkle, K. M.O'Neill, and D. K. Weaver, A. J. Hansen, A. Adhikari, and F. D. Menalled 2016. Effects of agricultural management systems on natural habitat distribution in the Northern Great Plains: Implications for pollinators. Ecological Society of America Meeting in Fort Lauderdale, FL, USA (Aug 7-12).
- Adhikari, S.,** L. A. Burkle, K. M. O'Neill, D. K. Weaver, and F. D. Menalled 2015. Impacts of farm management practices on pollinator community and pollination services in the Northern Great Plains. Entomological Society of America Meeting, Minneapolis, MN, USA (November 15-18).
- Adhikari, S.,** F. D. Menalled, L. Burkle, K.O'Neill, and D. Weaver. 2014. Impacts of management systems on carabid beetle community in Northern Great Plain dryland agroecosystems. Western Section- Crop Science Society of America, Bozeman, MT, USA (July 8-9).

- Adhikari, S.** and F Leland Russell. 2013. Effects of insect herbivory on flowering phenology, flower visitors' activity and reproduction success in *Cirsium altissimum* L. (poster) 9th Annual Graduate Research and Scholarly Projects Symposium, Wichita State University, KS, USA May 08, 2013).
- Adhikari, S.** and N. B. Ranabhat. 2010. Bee-pollinated Plant Cultivation in the Hilly Regions of Nepal. International Conference on "Biodiversity, Livelihood and Climate Change in the Himalayas," Kathmandu, Nepal. Organized by Tribhuvan University and Government of Nepal (Dec 12-14)
- Adhikari, S.,** N. B. Ranabhat, and B.R. Paudel. 2010. Common bee flora of Central Nepal. 95th Ecological Society of America (ESA) Meeting, Pittsburgh, Pennsylvania, USA (Aug 1-6).
- Adhikari, S.** and M.K. Adhikari. 2009. Commonly used ethnomedicinal plants by the indigenous people of Nepalese Himalayas. 94th ESA Meeting in Albuquerque, New Mexico, USA (Aug 1-7).
- Adhikari, S.** 2008. Plant-Pollinator Interaction of *Punica granatum* L (Punicaceae) in Kathmandu valley, Nepal, Fifth National Conference on Science and Technology. Organized by Nepal Academy of Science and Technology (NAST), Kathmandu, Nepal (Nov 10-12).
- Adhikari, S.** and M.K. Adhikari. 2008. A preliminary study of the Pollination Ecology of *Punica granatum* L (Punicaceae) in Kathmandu Valley, Nepal (poster). Pollination Ecology Conference (The Ecology and Evolution of Plant-Pollinator Interactions) and ESA Meeting in Milwaukee, Wisconsin, USA (Aug 2-8).
- Adhikari, S.** 2005. Plant-Pollinator Interaction of the Himalayan Louseworts with Reference to *Pedicularis dendrothauma* R. R. Mill and D J Allard. Asia Section 1st Regional Conference of Society for Conservation Biology (SCB), Kathmandu, Nepal (November 17-20).
- Adhikari, S.** and M.K. Adhikari. 2004. Bumblebees and their Relationship with Flower Morphology of *Pedicularis* species in Nepal. 4th National Conference on Science and Technology, Kathmandu, Nepal (Mar 23 to 26).
- Adhikari, S.** and M.K. Adhikari. 2004. Floral Phenology and Floral Morphology of *Pedicularis* sp. with reference to Nepal. Presented at National Seminar on Natural Resource Management. Organized by Ecological Society of Nepal (Feb 13-14).
- Adhikari, S.** and M.K. Adhikari. 2003 (poster). The Ecology Influencing the Visitor of the *Pedicularis* species. International Conference on Himalayan Biodiversity, Kathmandu, Nepal (Feb 26-28).

Invited talks, seminars, guest lectures:

- Elmqvist, D. and **S. Adhikari**. A Bug's Eye View of Cover Crops-on Pollinators and soil arthropods. Soil Health Coffee Hour Talk by WSU-PNW Farmers' Network (Sep 27, 2023).
- Adhikari, S.** Climate Smart Integrated Pest and Pollinator Management. Pollinator Summit. Organized by U of Idaho Extension Latah County and Rural Roots (March 1-2, 2023).
- Adhikari, S.** and D. Elmqvist. How do insects aboveground and in the soil respond to cover cropping? Insights from on-farm research. Palouse Alternative Cropping Symposium. Organized by Palouse Conservation District (February 23, 2023).
- Adhikari, S.** Effects of Agricultural Management on Biodiversity. Wichita State University, Department of Biology Public Seminar (Mar 28, 2022).
- Adhikari, S.** Effects of Agricultural Diversification on Pollinators. Pollinator Summit. Organized by U of Idaho Extension Latah County and Rural Roots (February 23-24, 2022).
- Adhikari, S.** Beneficial insects and Weeds. University of Idaho- Extension field day in Genesee, ID (Jun 23, 2021).
- Adhikari, S.** Ecologically based insect pest management. Guest Lecture: ENT441/541: Insect Ecology at University of Idaho (Nov 12, 2019 & Nov 18, 2021).
- Adhikari, S.,** R. E. Clark, J. J. Hinds, and S. D. Eigenbrode. 2021. Fifteen years of pea aphid and legume virus monitoring in the Palouse: lessons learned and ways forward. Entomological Society of America annual meeting (Oct 31-Nov 3).

- Adhikari, S.** Enhancing Pollinators in Agricultural Landscapes. Pollinator Summit. Organized by U of Idaho Extension Latah County and Rural Roots (February 26-27, 2020).
- Adhikari, S.** A bug' s-eye view of PNW cereal-based agriculture. Sustainable Agriculture Speaker Series. Organized by Rural Roots and University of Idaho Extension (Nov 13, 2019).
- Adhikari, S.** Pollination. Guest Lecture: ENT322: General and Applied Entomology at University of Idaho (Nov 11, 2019). Lecture title: Pollination.
- Adhikari, S.** Beneficial insects in agroecosystems. Guest Lecture: ENT322: General and Applied Entomology at University of Idaho (Nov 08, 2019).
- Adhikari, S.** Plant-pollinator interactions. Guest Lecture: ENT549-01: Insect-Plant Interactions at University of Idaho (Oct 18, 2018, Oct 20 and 22, 2020).
- Adhikari, S.** Conservation biocontrol research in Montana. Speaker at *Farming with Beneficial Insects for Pest Control: A Conservation Biological Control Short Course*. Organized by Xerces Society for Invertebrate Conservation (Jun 19, 2018).
- Adhikari, S.** Farming for the Future. Speaker at a conference targeted for girls (grades 6-8) interested in STEM career. Organized by Expanding Your Horizons, Montana State University (Apr 21, 2018).
- Adhikari, S.** Effects of small grain row crop production systems on biodiversity, plant-insect interactions, and ecosystem services. Speaker at a weekly seminar of Department of Entomology, Plant Pathology and Nematology, University of Idaho, (Dec 04, 2017).
- Adhikari, S.** Beneficial insects in organic systems. Speaker at MSU-Fort Ellis Research and Experiment Center field day (Jun 23, 2017).
- Adhikari, S.** Speaker at a “Living Library Program” at Park High School in Livingston, MT (May 2017).
- Adhikari, S.** Impacts of farming management systems on beneficial insects. Field demonstration talks (four) to undergraduate and graduate students of Land Resources and Environmental Sciences at MSU-Fort Ellis Research and Experiment Center (2014-2017).
- Adhikari, S.** Native bees and their services. 25th Annual Montana Environmental Education Association Conference (Mar 31- Apr 01, 2016), Bozeman, MT.
- Adhikari, S.** Nepal in the World Geography. Speaker for World Geography course at Bozeman High School, Bozeman, MT (Apr 23, 2015).

SCHOLARSHIP ACCOMPLISHMENTS:

Peer Reviewed/Evaluated:

- Elmqvist, D.E., **S. Adhikari**, I. Popova, and S. D. Eigenbrode. 2024. Soil arthropod communities collected from agricultural soils influence wheat growth and modify phytohormone responses to aboveground herbivory in a microcosm experiment. *Appl. Soil Ecol.* <https://doi.org/10.1016/j.apsoil.2023.105197>
- Mainali, K., **S. Adhikari**, S. Shrestha, M. C. Singer, J. White, and C. Parmesan 2023. Reciprocal transplants reveal asymmetric local adaptation of Himalayan Rhododendron approaching elevational range limit. *Ecosphere*. DOI: 10.1002/ecs2.4563
- Eigenbrode, S. D. and **S. Adhikari**. 2023. Climate change and managing insect pests and beneficials in agricultural systems. *J. Agron.* <https://doi.org/10.1002/agj2.21399>
- Eigenbrode, S. D., **S. Adhikari**, E. Kistner-Thomas, and L. Neven. 2022. Introduction to the collection: climate change, insect pests, and beneficial arthropods in production systems. *J. Econ. Entomol.* <https://doi.org/10.1093/jee/toac107>
- Adhikari, S.**, E. Seamon, Y. Wu, S.E. Sadeghi, and S. D. Eigenbrode. 2022. Do invasive and naturalized aphid pest populations respond differently to climatic and landscape factors? *J. Econ. Entomol.* 10.1093/jee/toac044
- Paudel, P.K., R. Bastola, S.D. Eigenbrode, Amael Borzee.....and **S. Adhikari**. 2022. Perspectives of scholars on the origin, spread, and consequences of COVID-19 are diverse but not polarized. *Humanit. Soc. Sci. Commun.* 9:1-11. <https://doi.org/10.1057/s41599-022-01216-2>
- Adhikari, S.**, S.R. Revolinski, S. D. Eigenbrode, and I.C. Burke. 2021. Genetic diversity and population

- structure of a global invader Mayweed chamomile (*Anthemis cotula* L.): management implications. *AoB PLANTS*, plab049, <https://doi.org/10.1093/aobpla/plab049>
- Adhikari, S.**, I.C. Burke, J Piaskowski, and S. D. Eigenbrode. 2021. Phenotypic trait variation in populations of a global invader Mayweed chamomile (*Anthemis cotula* L.): Implications for weed management. *Front. Agron.* 3:662375. Doi:10.3389/fagro.2021.662375
- Adhikari, S.**, I.C. Burke, S.R. Revolinski, J Piaskowski, and S. D. Eigenbrode. 2021. Within-population trait variation in a globally invasive plant species mayweed chamomile (*Anthemis cotula* L.): Implications for future invasion and management. *Front. Agron.* 3:640208. doi: 10.3389/fagro.2021.640208
- Adhikari, A., K. P. Mainali, **S. Adhikari**, L. Rew, and B. D. Maxwell. 2020. Projecting distribution of invasive weed species across the road network landscape of Montana State: implication for weed management. *Reg. Environ. Change.* 20:60.
- Adhikari, S.** and F. D. Menalled. 2020. Supporting beneficial insects for agricultural sustainability: the role of livestock-integrated organic and cover cropping to enhance ground beetle (Carabidae) communities. *Agronomy*.10, 1210.
- Adhikari, S.**, I.C. Burke, and S. D. Eigenbrode. 2020. Mayweed chamomile (*Anthemis cotula* L.) biology and management – a review of an emerging global invader. *Weed Res.* 60:313-322.
- Adhikari, S.**, A. Adhikari, D.K. Weaver, A. Bekkerman, and F. D. Menalled. 2019. Impacts of agricultural management systems on biodiversity and ecosystem services in highly simplified dryland landscapes. *Sustainability*, **11**, 3223.
- Adhikari, S.**, L. A. Burkle, K. M. O'Neill, D. K. Weaver, CM Delphia, and F. D. Menalled. 2019. Impacts of simplified dryland farming systems on forbs, bees, and bee-flower networks. *Environ. Entomol.* **48**:826-835.
- Adhikari, S.**, L. A. Burkle, K. M. O'Neill, D. K. Weaver, and F. D. Menalled. 2019. Dryland organic farming increases floral resources and bee colony success in highly simplified agricultural landscapes. *Agric. Ecosyst. Environ.* 270–271, 9–18.
- Adhikari, S.** and F. D. Menalled. 2018. Impacts of dryland farm management systems on weeds and Ground Beetles (Carabidae) in the Northern Great Plains. *Sustainability* **10**, 2146.
- Adhikari, S.**, Seipel, T., Menalled, F. D., Weaver, D. K. 2018. Farming system and wheat cultivar affect infestation of and parasitism on *Cephus cinctus* in the Northern Great Plains. *Pest Manag. Sci.* **74**:2480-2487.
- Paudel, B. R., M. Shrestha, M. Burd, **S. Adhikari**, Y.S. Sun, and Q. J. Li. 2016. Going for extreme elongation: coevolutionary arms race between an alpine ginger (*Roscoea purpurea*) and a tabanid fly in the Nepalese Himalayas. *New Phytol.* 211(4):1402-1411.
- Adhikari, S.** and F Leland Russell. 2014. Effects of apical meristem mining on plant fitness, architecture, and flowering phenology in *Cirsium altissimum* (Asteraceae). *Am. J. Bot.* 101:2079-2087.
- Adhikari, S.** and N. B. Ranabhat. 2011. Bee floral in mid hills of central Nepal. *Botanica orientalis-J. Pl. Sci.* 8:45-56.
- Adhikari, S.** and M. K. Adhikari. 2010. Floral phenology and pollination ecology of *Punica granatum* L. in Kathmandu, Nepal. *Nep J. Sci. Tech.* 11:115-124.
- Adhikari, S.** and M. K. Adhikari. 2006. A brief account of medicinal plants, prevalence of diseases and treatment by Amchis in Shey Phoksundo Area, Nepal. *Pl. Res. Bull.* 27:21-29.

Other: (reports, proceedings, papers, citations and references, performances)

- Adhikari, S.**, E. C. Oeller, A. Rashed, S. D. Eigenbrode, and B. Stokes. 2022. Cereal Grass Aphid: A Newly Invasive Pest in North America. University of Idaho Extension. BUL1026. https://drive.google.com/file/d/1xL41HZuYodqWYf_oyEHUZ551xQ2AzVzb/view
- Adhikari, S.**, Wu, Y, and S. D. Eigenbrode. 2022. Cereal aphid pests occurring in winter wheats of inland Pacific Northwest. Dryland field day abstracts: highlights of research progress. Technical Report 22-1. <https://s3.us-west-2.amazonaws.com/css.wsu.edu/wp-content/uploads/2022/05/16150942/FDA-2022-complete.pdf>. Pp. 50-51.
- Adhikari, S.**, I. C. Burke, and S. D. Eigenbrode. 2021. On top of soil health: Cover crops support bee pollinators and suppress weeds. Dryland field day abstracts: highlights of research progress. Technical Report 21-1. <https://s3.us-west-2.amazonaws.com/css.wsu.edu/wp-content/uploads/2021/06/10071231/FDA-2021.pdf>. Pp. 13-14.

Adhikari, S. Adopting diversified organic farming to increase ecosystem services. Organic Farmer Magazine. <https://organicfarmermag.com/2019/09/adopting-diversified-organic-farming-to-increase-ecosystem-services/>

Grants and Contracts Awarded:

Managing an emerging invasive aphid pest of wheat in North America. USDA-NIFA-CPPM (#2020-70006-32980). Co-PI (PI: A. Rashed). Total amount: \$324,470 (2020-2023).
 Pacific Northwest Cover Crop Decision Aid System. USDA-Western SARE (#SW22-940). Co-PI (PI: S. Eigenbrode). Total amount: \$349,697 (2022-2025).
 Harnessing AI for Implementing IPM in Small-Grain Production Systems. USDA-NIFA-FACT (#2021-67021-34253). Co-PI: UI subaward (PI: M. Borowiec, CSU). Total amount: \$499,521 (2021-2025).
 Simplot-Syngenta partnership on Potatoes and Pollinators project: Providing alternative forage resources for Idaho pollinators near potato fields. PI ~\$40,500 (June 2022-June 2025).

Honors and Awards:

First prize with most backers (and amount) in the "Entomological Society of America (ESA) Grant Challenge" 2019. Proposal title: "Impacts of a new invasive aphid pest in North America". (\$3,180)
 Montana State University (MSU) - Three Minute Research Competition: 2017. Judges' Choice Award (\$175)
 MSU College of Agriculture Newman Family & Friends Scholarship: 2014/2015, 2015/2016, 2016/2017, and 2017/2018 (\$8,800 in total)
 Montana Institute on Ecosystems Graduate Enhancement Fund/travel grant: 2015 (\$800), 2016 (\$500), and 2017 (\$300)
 MSU-Land Resources and Environmental Sciences -7th Annual LRES Research Colloquium-2017
 First Prize in an oral presentation (\$100)
 MSU-Graduate Summit Research Rendezvous Poster Session: 2016. First Prize (\$250)
 MSU Graduate School-Travel grant: 2016 (\$850), 2017 (\$625)
 MSU Graduate Student Competitive Research competition/research grant: 2015 (\$1,300)
 Organic Crop Improvement and Association - Research & Education Micro Grant: 2014 (\$1,500)
 International Student Scholarship, Wichita State University (WSU): 2012-2013 (\$1000)
 Claudia L. Sheats Environmental Science Endowed Fellowship (WSU): 2011-2012 (\$621), and 2012-2013 (\$2,222)
 Delano Maggard Jr. Graduate Research Grant (WSU): 2012-2013 (\$965)
 Donald D. Sbarra Endowed Fellowship (WSU): 2012-2013 (\$610)
 Travel Grants from University Grant Commission (UGC) and National Academy of Science and Technology-Nepal: 2008, 2009 & 2010 (~\$1,250 in total from five grants)
 Institutional Research Grant (Co-PI in a group of 6) from UGC-Nepal: 2010-2012 (~\$14,000)
 Mini Research Grant from UGC, Nepal: 2008 (~\$600)
 Student Research Grant from WWF Nepal: 2004 (\$1,500)
 Research Grant to conduct MSc thesis work at Tribhuvan University, Nepal (PI: Dr. Dorothy J. Allard, Ass. Curator and Digital Herbarium Coordinator at University of Vermont, USA). 2001 (~\$1,200)

SERVICE:

Professional and Scholarly Organizations:

Member- Entomological Society of America (ESA), USA, 2015-Present
 Member- Weed Science Society of America (WSSA), 2020- 2021

Member- Ecological Society of America (ESA), USA, 2008 – 2020
 Member-Valuing Nature Programme, 2015-present
 American Association for the Advancement of Science (AAAS), 2013-2017
 Member- World Wildlife Fund (WWF), 2011-2017
 Member- International Ecological Society (INTECOL), 2008 – 2017

Outreach and Community Services:

Lead Organizer: PI-E Section Symposium at the Entomological Society of America annual meeting (Nov 11-25, 2020). Title: Insect Pests and Beneficial Arthropods in Climate-Change-Resilient Diversified Cropping Systems.

Judge for Graduate Student Competitions (oral talks). Entomological Society of America annual meeting (Nov 11-25, 2020).

Managing the Legume Virus Project, the University of Idaho, in collecting aphids weekly from winter & spring pea fields of inland Pacific Northwest and updating the website blog and calculator. 2018-present

Session presider- 2016 (COS 72: Invasion: Prevention and Management). Ecological Society of America Meeting in Fort Lauderdale, FL, USA (Aug 7-12).

Chair plus Faculty and Staff Liaison, LRES-GSO (Land Resources and Environmental Sciences-Graduate Student Organization) - 2015/2016 and Mentoring Committee Liaison -2014/2015.

Lead Organizer: *Annual LRES Research Colloquium*, Montana State University (2016) and organizer in 2015.

Community Outreach Activities via *Communicating Ecosystem Science* course program, Montana Institute on Ecosystems and MSU Extended University (2016).

Graduate Student Network (2016/2017): Actively worked in coordination with MSU-Graduate School organizing different events targeted to all MSU graduate students, including the graduate summit, CV/resume workshop, etc.

Treasurer, Montana State University-Cooley Entomology Club: 2015/2016. Conducted insect-related speaker series, literature reading series, and community outreach activities.

Volunteer, National Park Service (U.S. Department of the Interior), National Capital Region, Exotic Plant Management Team, Washington, DC for *Invasive Plant Alert- Fact sheet preparation* (summer 2012).

Volunteer, 144th Annual Meeting of the Kansas Academy of Science, Wichita, KS (2012).

Volunteer, Prescribed Burning Crew member in Ninnescah Reserve, Wichita State University (summer 2012).

Volunteer, Ninnescah BioBlitz, Wichita State University (WSU), KS (2011)

Judge, Buell & Braun awards: best student presentations. *95th Ecological Society of America Meeting*, Pennsylvania (summer 2010).

Mentor, SEEDS Mentor Program, *94th Ecological Society of America Meeting*, New Mexico (summer 2009).

Subject/Guest Editor:

Journal of Economic Entomology: Special collection on "Climate change, insect pests, and beneficial arthropods in production systems." [2020-present]

Proposals/Technical Review Panels:

(i) USDA-NIFA SBIR I (2023) (ii) USDA-Western SARE (2019, 2021): - [Research and Education Grant; Farmer and Rancher Grant; Professional + Producer Program].

Manuscript Review:

Agriculture, Ecosystem, and Environment; Agronomy; Ecological Applications; Ecological Indicator; Journal of Economic Entomology; Journal of Integrated Pest Management; Frontiers in Agronomy; Grassland Science; Florida Entomologist; Organic Agriculture; Plant Direct; Scientific Reports; Sustainability, Texas Journal of Agriculture and Natural Resources; and University of Idaho Extension publications [2018-present]

PROFESSIONAL DEVELOPMENT:

NSF: The Rules of Life Postdoc Incubator. April-May 2022. Organized by National Science Foundation (NSF) and KISform.

Bioinformatics and Computational Biology 503: Data Carpentries Geospatial Analysis Workshop (Apr 23-24, 2020), University of Idaho.

Preparing Future Faculty training course at the University of Idaho; 2018-2019 and 2019-2020.

R Basics Workshop. Montana State University, Bozeman, MT. October 8-10, 2014.

Research Methodology Workshop. Organized by University Grants Commission-Nepal (targeted to its research grant recipients), May 2-4, 2008.

Writing Advanced level English course at the Campus of International Languages, Tribhuvan University (TU), Nepal (January- December 2004).

One-week GIS/RS Training at Central Department of Geography, T. U., Nepal, and a day at the International Centre for Mountain Development (ICIMOD) in 2001.

Popular Press:

Research Needed for Management of Invasive weed, Mayweed chamomile. University of Idaho news: Kudos and Acknowledgements. Published on 6/8/2020.

U of I study: Beware the cereal grass aphid. Post Register (section: Intermountain Farm & Ranch). Published on 7/03/2022.

Researchers Spotlight Climate Change's Impact on Insects and Ag Systems. University of Idaho news: Kudos. Published on 8/10/2023.

Effects of Climate Change on Nepali Agriculture. Climate Change in Discussion Talk show, Nepal Television, Kathmandu, Nepal. 10/31/2022.