

Curriculum Vitae
Durga Dutta Poudel, Ph.D.

School of Geosciences, Environmental Science Program
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Educational Background:

Ph. D., Soil Science, University of Georgia, Athens, GA, USA. 1994-1998.
M. Sc., Natural Resource Management, Asian Institute of Technology, Bangkok, Thailand. 1990-1991.
B. Sc. Hons. Agriculture, University of Agriculture, Faisalabad, Pakistan. 1983-1987.

Professional Employment:

2017 – Present	ICaWR Fellow, Institute for Coastal and Water Research (ICaWR), University of Louisiana at Lafayette, Louisiana, USA.
2017 – Present	Professor and Graduate Coordinator, Environmental Resource Science M.S. Program, Environmental Science Program, School of Geosciences, University of Louisiana at Lafayette.
2011 – Present	Professor and Coordinator, Environmental Science Program, School of Geosciences, UL Lafayette.
2003 – Present	Adjunct Professor in Geology, UL Lafayette.
2012 – 2018	Professor and Assistant Director (until summer, 2018), School of Geosciences, University of Louisiana at Lafayette.
2015 – 2017	Research Faculty, Institute for Coastal and Water Research (ICaWR), University of Louisiana at Lafayette, Louisiana, USA.
2009 – 2011	Professor, Head, Department of Renewable Resources and Director, Agricultural Auxiliary Units, UL Lafayette. (Full Professor in 2009)
2009	Associate Professor, Head, Department of Renewable Resources and Director, Agricultural Auxiliary Units, UL Lafayette. (Head, beginning January 2009)
2004 – 2008	Associate Professor and Director of Agricultural Auxiliary Units, Department of Renewable Resources, UL Lafayette. (Associate Professor in 2004)
2000 – 2004	Assistant Professor and Director of Agricultural Auxiliary Units, Department of Renewable Resources, UL Lafayette. (Tenured in 2003)
1998 – 2000	Research Manager, Sustainable Agriculture Farming Systems (SAFS) project, UC Davis, CA.
1994 – 1998	Graduate Research and Teaching Assistant, Sustainable Agricultural and Natural Resource Management Collaborative Research Support Program (SANREM-CRSP), University of Georgia, Athens, GA.
1991 – 1994	Research Fellow, Asian Vegetable Research and Development Center (AVRDC), Taiwan.
1991	Teaching Assistant, Asian Institute of Technology, Bangkok, Thailand.
1989	Agricultural Officer, Nepal Bank Ltd., Nepal.
1988 – 1989	Researcher, No-frills Consultancy, Nepal.
1988	Seed Marketing Officer, Agricultural Input Corporation, Nepal.
1988	Researcher, Integrated Development Systems, Nepal.

1983	Training In-charge, Integrated Hill Development Project, His Majesty's Government of Nepal/ Swiss Development Corporation, Kathmandu, Nepal.
1982 – 1983	Science and Vocational Teacher, His Majesty's Government, Ministry of Education and Culture, District Education Office, Tanahu, Nepal.
1980-1982	Science and Vocational Teacher, His Majesty's Government, Ministry of Education and Culture, District Education Office, Tanahu, Nepal.
1979	Junior Technical Assistant, His Majesty's Government, Agricultural Department, Ministry of Food and Agriculture, Nepal.

Teaching and Research Interests:

I have a strong passion for teaching courses at both the undergraduate and graduate levels. I am highly interested in teaching wide range of courses such as Water Quality, Watershed Management, and Soil Science Courses (e.g. soil science, soil and water conservation, wetland soils, environmental pedology, soil genesis and survey). My research interests expand from water quality monitoring and modeling, nonpoint source pollution control, watershed management, and soil and water sustainability to climate change impacts and adaptation.

Teaching Responsibilities (2000 – 2014, University of Louisiana at Lafayette):

Soil Science	ENVS 285	(no. of semesters taught =16)
Wetland Soils	ENVS 357	(no. of semesters taught =11)
Soil and Water Conservation	ENVS 390	(no. of semesters taught =13)
Wetland Soils & Water Mgmt.	RRES 457	(no. of semester taught =1)
Methods of Soil & Water Sampling & Analysis	RRES 457	(no. of semester taught =1)
Watershed Science	ENVS 484(G)	(no. of semester taught =1)
Water Quality	ENVS 486(G)	(no. of semesters taught =8)
Environmental Pedology	ENVS 490(G)	(no. of semesters taught =6)
Soil Genesis and Survey	ENVS 495(G)	(no. of semesters taught =6)
Internship	RRES 472/ENVS472	Each academic year.

2015 and onwards

Spring 2015	ENVS 357 and ENVS 490(G)
Fall 2015	ENVS 285 and ENVS 495(G)
Spring 2016	ENVS 357 and ENVS 486(G)
Fall 2016	ENVS 285 and ENVS 490(G)
Spring 2017	ENVS 390 and ENVS 495(G)
Fall 2017	ENVS 285, ENVS 357, and ENVS 490(G)
Internship 2015-2016	ENVS 472
Internship 2016-2017	ENVS 472
Spring 2018	ENVS 390, ENVS 486(G), and ENVS 559
Fall 2018	ENVS 285, ENVS 559
Spring 2019	ENVS 390, ENVS 486(G), ENVS 559

Courses designed/developed (2000 -2013, University of Louisiana at Lafayette):

Environmental Science	(ENVS 100, approved as a Physical Science course to meet the BOR science requirement in 2007).
Water Quality	(ENVS 486 (G)).
Wetland Soils	(ENVS 357, modified RRES 357 Wetlands to ENVS 357 Wetland Soils).

Courses designed/developed 2015 and onwards

ENVS 559 Seminar

Supervision of Student Research (2000 – present at University of Louisiana at Lafayette):

Environmental Resource Science

- 1) Micah Muir, Spring 2019. Soil and Water Assessment Tool (SWAT) for Modeling Nonpoint Source Pollution and Identifying Priority Management Areas in a Coastal Agricultural Watershed. M.Sc. Degree on Environmental Resource Science, Thesis defense on April 9, 2019 11 AM in Hamilton Hall, Room 112. [Committee Chair]. Committee Members: Dr. Tim Duex, Dr. Emad Habib, and Dr. Ed Theriot (ICaWR).
- 2) Ajay Bhandari, Spring 2019. Spatial and Temporal Distribution of Giant Salvinia (*Salvinia molesta*) Infestation in Atchafalaya Basin, Louisiana: Using Giant Salvinia Weevil Rearing Ponds at UL Lafayette Cade Farm as Test Sites for Spectral Reflectance. M.Sc. Degree on Environmental Resource Science, Thesis defense on April 9, 2019 10 AM in Hamilton Hall, Room 112. [Committee Chair]. Committee Members: Dr. Tim Duex, Dr. Aubrey Hillman, Dr. Mohamed ElSaadani (ICaWR).
- 3) Scott St. Romain, Spring 2019. Reconstructing Sources of Heavy Metals in Lacustrine Core Sediments, Southeastern U.S. M.Sc. degree in Environmental Resource Science, School of Geosciences, Thesis defense on Tuesday April 2nd, 10-11 am, Hamilton Hall, Room 112. [Committee Member]. Chairman Dr. Aubrey Hillman and member Dr. Carl Richter.
- 4) Grant Kleiner, Spring 2019. Effects of Flooding Regimes on Vegetation in an Assimilation Wetland in Lafayette Parish, Louisiana. M.Sc. Degree on Environmental Resource Science, Thesis defense on April 1, 2019 9 AM in Hamilton Hall, Room 112. [Committee Member]. Dr. Jenneke Visser (Chair), Dr. Tim Duex, Dr. Whitney Broussard, Ms. Taylor Sloey (ICaWR).
- 5) Coy LeBlanc, Spring 2019. Above-ground biomass estimation in a *Sagittaria Lancifolia* marsh using advanced remote sensing. M.Sc. Degree on Environmental Resource Science, Thesis defense on April 1, 2019 12 noon in Hamilton Hall, Room 112. [Committee Member]. Dr. Jenneke Visser (Chair), Dr. Katie Costigan, Dr. Whitney Broussard.

Geology

- 1) Merrell, Natalie Michelle. 2019 (Spring). Seasonal variability and sources of turbidity in Bayou Chene watershed in Southwestern Louisiana, A Thesis Presented to the Graduate Faculty of the University of Louisiana at Lafayette In Partial Fulfillment of the Requirements for the Degree of Master of Science in Geology, University of Louisiana at Lafayette, Louisiana, USA. (Chair)
- 2) Moira Lyons, Spring 2019. Understanding Human Settlements in the Yunnan Province of China through $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ Isotope Analysis from a Lake Sediment Core. M. Sc. Degree on Geology, School of Geosciences, Thesis defense on Monday, April 1 at 1:00 PM in Hamilton Hall, Room 115. [Committee Member]. Dr. Aubrey Hillman (Chair) and Dr. Brian Schubert (Committee Member).
- 3) Bannister, Terri. 2016 (Fall). Mapping Geohazards in the Churia Region of Nepal: An Application of Remote Sensing and Geographic Information Systems, A Thesis Presented to the Graduate Faculty of the University of Louisiana at Lafayette In Partial Fulfillment of the Requirements for the Degree of Master of Science in Geology, University of Louisiana at Lafayette, Louisiana, USA. (Chair)

- 4) Moore, Keith D. 2015 (Spring). Soil Particle-size Distribution, Land Use Types, and Surface Water Quality in the Bayou Chene and Lacassine Bayou Watersheds in Southwestern Louisiana, M.Sc. Thesis, School of Geosciences, University of Louisiana at Lafayette, Louisiana, USA. p 111 (Chair)
- 5) Comiskey, Sean P. 2011 (Fall). Sediment magnetic susceptibility and instream water quality across the Coulee Baton microwatershed in southwestern Louisiana, M.Sc. Thesis, Department of Geology, University of Louisiana at Lafayette, Louisiana, USA. p 41 (Co-chair)
- 6) Bhattarai, Bigya. 2008 (Fall). Modeling Hydrology and Surface Water Quality in Bayou Plaquemine Brule Watershed, Southwestern Louisiana, M.Sc. Thesis, Department of Geology, University of Louisiana at Lafayette, Louisiana, USA. p 52 (Co-chair)
- 7) Whitnel, Jane C. 2005 (Spring). Bottom Sediment Chemistry, Surface Water Quality, and Land Use Types in Bayou Plaquemine Brule Watershed, Southwestern Louisiana, M.Sc. Thesis, Department of Geology, University of Louisiana at Lafayette, Louisiana, USA. p 149 (Co-chair)

Dr. Poudel served as a committee member on five M.S. students' thesis projects (Ben J. Lissard, Carson Allen, Mathew O'Leary, Daniel Friedman, and Morgan Canezaro) starting Spring 2017 to Spring 2018 semesters.

Other programs

- 1) Neely, Angela. 2005 (Spring). Graduate Faculty Representative on thesis committee (Nursing).
- 2) Castro, Kathaline. 2003 (Spring). Laboratory Experience and Changes in Self-Efficacy of Preservice Child Care Practitioners, Master Thesis, Department of Human Resources, UL Lafayette. [Committee Member]
- 3) Schousboe, Victoria. 2003 (Spring). The Effects of Sugarcane Management Practices on Water Quality, Honors Baccalaureate Degree, Department of Renewable Resources, UL Lafayette. [Committee Member]
- 4) Papanicolaou, Nectarios. 2003 (Spring). Graduate Faculty Representative on thesis committee (Math).

Publications:

Journal articles

1. Wang, X., G. Kinsland, D.D. **Poudel**, G. Huang, and A. Fench. 2019. Urban Flooding Prediction under Heavy Precipitation, *Water Resources Research*, [Submitted]
2. **Poudel**, D.D., A.M. Cazan, A.Y. Oguma, and P.L. Klerks. 2019. Monitoring fish, benthic invertebrates and physicochemical properties of surface water for evaluating nonpoint source pollution control in coastal agricultural watersheds, *Journal of Soil and Water Conservation*, [Revised]
3. **Poudel**, D.D. 2019. Agricultural and Natural Resources Development Strategy for Nepal, *Asian Profile*, [In Press]
4. **Poudel**, D.D. 2018. Restructuring National Planning Commission Focusing on Asta-Ja and Nepal Vision 2040, *Asian Profile*, 46(2):151-167.

5. **Poudel, D.D.** and T.W. Duex. 2017. Vanishing Springs in Nepalese Mountains: An Assessment of Water Sources, Farmer's Perceptions, and Climate Change Adaptation, *Mountain Research and Development*, 37(1):35-46. DOI: <http://dx.doi.org/10.1659/MRD-JOURNAL-D-16-00039.1>
6. **Poudel, D.D.** 2016. Management of Asta-Ja System, *Journal of Comparative International Management*, 19(2):19-40.
7. **Poudel, D.D.** 2016. Surface Water Quality Monitoring of an Agricultural Watershed for Nonpoint Source Pollution Control, *Journal of Soil and Water Conservation*, 71(4):310-326.
8. **Poudel, D.D.** 2015. Factors associated with farm-level variation, and farmers' perception and climate change adaptation in smallholder mixed-farming livestock production system in Nepal, *Int. J. Environmental and Sustainable Development* 14(3): 231-257.
9. **Poudel, D.D.**, T. Lee, R. Srinivasan, K.C. Abbaspour, and C.Y. Jeong. 2013. Assessment of seasonal and spatial variation of surface water quality, identification of factors associated with water quality variability, and the modeling of critical nonpoint source pollution areas in an agricultural watershed, *Journal of Soil and Water Conservation* 68(3): 155-171 www.swcs.org.
10. **Poudel, D.D.** 2012. The Asta-Ja Management Capacity-building Framework for Sustainable Development in Nepal, *International Journal of Sustainable Development*, Vol. 15, No. 4, pp.334-352.
11. Wang, Yi-Hong, D.D. **Poudel**, and K.H. Hasenstein. 2011. Identification of SSR markers associated with saccharification yield using pool-based genome-wide association mapping in sorghum, *Genome* 54: 1-7.
12. **Poudel, D.D.** 2011. A strategic framework for environmental and sustainable development in Nepal. *International Journal of Environment and Sustainable Development* , 10(1):48-61.
13. **Poudel, D.D.**, C.Y. Jeong, and A. DeRamus. 2010. Surface runoff water quality from agricultural lands and residential areas. *Outlook on Agriculture*, 39(2):95-105.
14. **Poudel, D.D.** 2009. The Asta-Ja Environmental and Natural Resources Policy Framework (Asta-Ja ENRPF) for Sustainable Development in Nepal. *Journal of Comparative International Management*, 12(2): 49-71.
15. **Poudel, D.D.** and C.Y. Jeong. 2009. Manual composite sampling in edge-of-field surface runoff for assessing nonpoint source pollution from agricultural lands and residential areas. *Journal of Soil and Water Conservation*, 64(5):324-335.
16. **Poudel, D.D.** and J.A. Foret. 2009. Effects of mowing, herbicide application, and the use of plant growth regulator on plant stand height and floral cover of Plains Coreopsis (*Coreopsis tinctoria*), Claspig Leaf Coneflower (*Dracopsis amplexicaulis*), Indian Blanket (*Gaillardia pulchella*), and Wild Petunia (*Ruellia pedunculata*). *Journal of the Louisiana State Horticulture Society*. 4: 4-16.
17. **Poudel, D.D.** 2008. Management of Eight 'Ja' for Economic Development in Nepal. *Journal of Comparative International Management*, 11(1): 1-13.
18. **Poudel, D.D.** and M.J. Simon. 2008. Pasture-based dairy and water hyacinth (*Eichornia crassipes*) for reduced biological oxygen demand in dairy discharge water. *Outlook on Agriculture*, 37(2): 135-142.
19. **Poudel, D.D.**, S. Guedry, T. Sasek, M. Simon, J. Foret, D. Wollard, C. Anzalone, and D. Bell. 2008. Wildflower Seed Bank, Highway Beautification, and Tourism Promotion in Louisiana. *Journal of the Louisiana State Horticulture Society* 3:21-48.
20. **Poudel, D.D.** and J.A. Foret. 2008. Effects of seed treatment and seeding depth on the germination of Plains Coreopsis (*Coreopsis tinctoria*), Claspig Leaf Coneflower (*Dracopsis amplexicaulis*), Wild Petunia (*Ruellia pedunculata*), and Indian Blanket (*Gaillardia pulchella*). *Journal of the Louisiana State Horticulture Society* 3:58-66.

21. **Poudel**, D.D., L.M. Vincent, C. Anzalone, J. Huner, D. Wollard, T. Clement, A. DeRamus, and G. Blakewood. 2005. Hands-on activities and challenge tests in agricultural and environmental education. *The Journal of Environmental Education* 36(4):10-22.
22. **Poudel**, D. D. 2003. Book Review. Sustainable food and agriculture, I.G. Malkina-Pykh and Y.A. Pykh. *Agricultural Systems* 80:303-306.
23. **Poudel**, D.D., W.R. Horwath, W.T. Lanini, S.R. Temple, and A.H.C. van Bruggen. 2002. Comparison of soil N availability and leaching potential, crop yields and weeds in the organic, low-input, and conventional farming systems in northern California. *Agriculture, Ecosystems Environment* 90: 125-127.
24. Colla, G., J.P. Mitchell, D.D. **Poudel**, and S.R. Temple. 2002. Changes of tomato yield and fruit elemental composition in conventional, low input, and organic systems. *Journal of Sustainable Agriculture* 20(2):53–67.
25. **Poudel**, D.D., and R.E. Wildman. 2001. Farming Systems and Nutritional Quality of Crops- A Brief Review. *Journal of Nutraceuticals, Functional & Medical Foods* 3(4) 85-92.
26. **Poudel**, D.D., W.R. Horwath, J. P. Mitchell, and S.R. Temple. 2001. Impacts of cropping systems on nitrogen storage and loss. *Agricultural Systems* 68:253-268.
27. **Poudel**, D.D., H. Ferris, K. Klonsky, W.R. Horwath, K.M. Scow, A.H.C. van Bruggen, W.T. Lanini, J.P. Mitchell, and S.R. Temple. 2001. The Sustainable Agriculture Farming Systems Project in California's Sacramento Valley. *Outlook on Agriculture* 30(2): 109-116. [Invited paper]
28. Rämert, B., R.L. Bugg, M.S. Clark, M.R. Werner, R.P. McGuinn, D.D. **Poudel**, and A.M. Berry. 2000. Influence of *Lumbricus terrestris* inoculation on green manure disappearance and the decomposer community in a walnut orchard. *Soil Biology & Biochemistry* 33: 1509-1516.
29. Colla, G., J.P. Mitchell, B.A. Joice, L.M. Huyck, W.W. Wallender, S.R. Temple, T.C. Hsiao, and D.D. **Poudel**. 2000. Soil physical properties, tomato yield and quality in alternative cropping systems. *Agronomy Journal* 92:924-932.
30. **Poudel**, D.D., D.J. Midmore, and L.T. West. 2000. Farmer participatory research to minimize soil erosion on steep land vegetable systems in the Philippines. *Agriculture Ecosystems and Environment* 79:113-127.
31. **Poudel**, D.D., and L.T. West. 1999. Soil development and fertility characteristics of a volcanic slope in Mindanao, the Philippines. *Soil Science Society of America Journal* 63:1258-1273.
32. **Poudel**, D.D., D.J. Midmore, and L.T. West. 1999. Erosion and productivity of vegetable systems on sloping volcanic ash-derived Philippine soils. *Soil Science Society of America Journal* 63: 1366-1376.
33. **Poudel**, D.D., T.M. Nissen, and D.J. Midmore. 1999. Sustainability of commercial vegetable production under fallow systems in the uplands of Mindanao, the Philippines. *Mountain Research and Development*. 19(1): 41-50.
34. **Poudel**, D.D., D.J. Midmore, and W.L. Hargrove. 1998. An analysis of commercial vegetable farms in relation to sustainability in the uplands of Southeast Asia. *Agricultural Systems* 58(1): 107-128.
35. Midmore, D.J., and D.D. **Poudel**. 1996. Asian vegetable production systems for the future. *Agricultural Systems* 50: 51-64.
36. Jansen, H.G.P., D.J. Midmore, and D.D. **Poudel**. 1995. Sustainable peri-urban vegetable production and natural resources management in Nepal. *Journal of Farming Systems Research-Extension* 5 (2): 86-107.

Peer-reviewed conference proceedings

1. **Poudel, D.D., H.A. DeRamus, R.P. Thakur, and A. Singh.** 2014. Feed, Nutrition, Animal Health and Changing Climate in the Mid-Hills Region of Nepal, pp.150-164, In: Samanta, A.K., Bhatta, R., Sejian, V., Kolte, A.P., Mlik, P.K., Sirohi, S.K. and Prasad, C.S. (Editors), **Invited Lectures: Climate Resilient Livestock Feeding System for Global Food Security.** Global Animal Nutrition Conference, April 20-22, 2014, Bangalore, India, 286p.
2. **Poudel, D.D., R.P. Thakur, T. Duex, G. Blakewood, A. Singh, A. DeRamus, B. Chapagain, K. Acharya, S. Adhikari, R.B. Gramling, and N. Sharma.** 2013. Adapting livestock production systems to climate change in Nepal: Challenges and opportunities, pp. 1362-1367, In: D.L. Michalk, G.D. Miller, W.B. Badgery, and K.M. Broadfoot (Editors), 2013 Proceedings of the 22nd International Grassland Congress, 15-19 September, 2013, Sydney, Australia, New South Wales Department of Primary Industry, Kite St., Orange New South Wales, Australia. **[Invited Paper]**
3. **Poudel, D.D.** 2006. Challenges for improving surface water quality in an agricultural watershed in Louisiana. In: Xu, Y.J. and V.P. Singh (Eds), Coastal Environment and Water Quality, Proceedings of the AIH 25th Anniversary Meeting & International Conference "Challenges in Coastal Hydrology and Water Quality", Baton rouge, Louisiana, USA. May 21 – 24, 2006, Water Resources Publications, LLC. Pp. 251-261. **[Invited Paper]**
4. **Poudel, D.D., W.R. Horwath, J. P. Mitchell, and S.R. Temple.** 2001. Impacts of farming systems on soil mineral N levels in irrigated processing tomatoes. Proc. 7th Int. Symp. on Processing Tomato, T.K. Hartz (Editor), ISHS 2001. Acta Horticulturae 542: 331-332.
5. Colla, G., J. P. Mitchell, D.D. **Poudel**, and F. Saccardo. 2001. Impacts of farming systems and soil characteristics on processing tomato fruit quality. Proc. 7th Int. Symp. on Processing Tomato, T.K. Hartz (Editor), ISHS 2001. Acta Horticulturae 542: 333-341.
6. Midmore, D.J., D.D. **Poudel**, and T.M. Nissen. 1999. How will medium term agricultural sustainability in the Philippine highlands be affected by induced reductions in commodity prices for annual crops, by adoption of technologies that reduce erosion, and by combinations of the two? In: Environmental Services and Land Use Change, Bridging the Gap between Policy and Research in Southeast Asia. 30 May - 2 June, ICRAF Chiang Mai, Thailand.
7. Midmore, D.J., D.D. **Poudel**, and T. Nissen. 1997. Inducing change among vegetable farmers in environmentally sensitive ecosystems: the process and some practice in the Philippines. In: John D. Smith Memorial Colloquium-process of community change, 31 Oct - 1 Nov, Queensland, Australia. pp. 215- 222.
8. Midmore, D.J., H.G.P. Jansen, R.G. Dumsday, A.A. Azmi, D.D. **Poudel**, S. Valayasia, J. Huang, M. M. Radzali, N. Fuad, A. B. Samah, A.R. Syed, and A. Nazlin. 1995. Technical and economic aspects of soil conservation among vegetable growers in the Cameron Highlands, Malaysia. In: Third Wye International Conference on Sustainable Agriculture: Soil Management in Sustainable Agriculture, H.F. Cook and H.C. Lee (Eds), Wye College Press, Ashford. pp. 387-398.
9. **Poudel, D.D.** 1991. Sustainable agroforestry development: the challenges in the Himalayan kingdom of Nepal. In: International Workshop on Conservation and Sustainable Development, Apsit Eiumunoh (ed), Asian Institute of Technology (AIT), Bangkok, Thailand. pp. 163-172.

Scientific conference abstracts

1. Poudel, D.D. 2017. Challenges of improving surface water quality in Bayou Chene, Louisiana. 2017 GSA South-Central Section Meeting, 13-14 March, 2017, San Antonio, Texas, The Geological Society of America. (Oral).

2. Dahal, P., Van Asbrouck, J., Wu, F., Groopman, J.D., **Poudel, D.**, Kunusoth, K., and Bradford, K.J. 2016. Dry Chain is a Social Preventive Intervention Tool for Liver Cancer by Minimizing Aflatoxins in Dry Foods, Annual Conference of American Institute for Cancer Research, Washington DC, Nov. 14-16, 2016.(Poster).
3. Poudel, D.D. 2016. Water Quality Sampling and Assessment in a Coastal Agricultural Watershed in Louisiana, USA, ASA-CSSA-SSSA Meeting, Nov. 6-9, 2016, Phoenix, AZ.
4. Poudel, D.D. 2016. Water Quality Sampling and Assessment for Bayou Chene in Louisiana, USA, 71st SWCS International Annual Conference, July 24-27, 2016, Louisville, Kentucky.
5. Poudel, D.D. 2016. Rebuilding coupled with sustainable land use, food security, and agri-business for community resiliency in the Gorkha Earthquake devastated region in Nepal, International Workshop on Gorkha Earthquake: Lesson Learned and Future Road Map for Safer Community and Sustainable Development, 24-25 April, 2016, Kathmandu, Nepal, Department of Mines and Geology (DMG), Ministry of Industry, Government of Nepal, p.50
6. Terri Bannister, Durga D. Poudel, and Timothy W. Duex. 2016. Mapping Geohazards in the Churia Region of Nepal: An Application of Remote Sensing and Geographic Information Systems to Quantify Change, 2016 GSA South-Central Section Meeting, Baton Rouge, Louisiana, 21-22 March, 2016.
7. Poudel, D.D. and T.W. Duex. 2015. Declining water resources and environmental degradation: A case of the Thulokhola watershed in the Nuwakot district of Nepal, XXIII International Grassland Congress, IGC 2015, November 20-24, 2015, New Delhi, India.
8. Poudel, D.D. and P. Clerks. 2015. Water Quality Monitoring in Bayou Chene and Lacassine Bayou in Louisiana. 70th SWCS International Annual Conference, Putting Science into Practice, July 26-29, 2015, Sheraton Four Seasons Hotel, Greensboro, NC. Available at http://www.swcs.org/documents/filelibrary/15ac/Abstract_Book_FINAL_31A269C46D632.pdf, page 132.
9. Poudel, D.D. 2014. The Mississippi River Basin Initiative (MRBI) Watershed Water Quality Monitoring in Bayou Chene and Lacassine Bayou in Louisiana, **ASA, CSSA, & SSSA International Annual Meeting, November 2 – 5, 2014, Long Beach, California.**
10. **Poudel, D.D.** 2014. A Quick Assessment of Soil Conditions through Focus Group Discussions, Participatory Rural Appraisals, and Soil Sampling in the Mid-Hills Region of Nepal, Soil Science Society of America (SSSA) Ecosystem Services Conference (Specialized Conference), Soil's Role in Restoring Ecosystem Services, March 6-9, 2014, Sacramento, California. Abstract available at <https://scisoc.confex.com/crops/2014SES/webprogram/Paper84503.html>
11. **Poudel, D.D.** 2013. Sediments, nutrients, and fecal matters impair surface water quality in a coastal agricultural watershed, South-Central Section- 47th Annual Meeting (4-5 April, 2013), Austin Texas.
12. Duex, Timothy W., D.D. **Poudel.** 2013. Sustainability of water resources in the mid-hill region of central Nepal, Geological Society of America (GSA) South-Central Section 47th Annual Meeting (4-5 April, 2013), Austin, Texas, USA.
13. Duex, Timothy W., D.D. **Poudel.** 2012. Water quality monitoring and hydrologic education in the Thulokhola watershed, Nuwakot, Nepal, GSA Abstracts with Programs Vol. 44, No. 7. 2012 GSA Annual Meeting and Exposition, 4-7 November, Charlotte, North Carolina, USA. https://gsa.confex.com/gsa/2012AM/finalprogram/abstract_208496.htm
14. **Poudel, D.D.** and C.Y. Jeong. 2010. Seasonal, annual, and spatial variability of surface water quality, and the relationship between water quality parameters in an agricultural watershed, 18th National Nonpoint Source Monitoring Workshop: Monitoring and Evaluation Workshop for Great Lakes Restoration Initiative, Watersheds Best Management Practices, Planning,

- Implementation and Documenting Results. November 16-18, 2010. Hilton Milwaukee City Center, Milwaukee, Wisconsin, USA.
15. **Poudel, D.D., C. Y. Jeong, and J.C. McNamara.** 2010. Assessing the relationship between in-stream surface water total combustible solids, bottom sediment C, and landuse types, and identifying potential sites for soil C management and trading in an agricultural watershed, 65th International Annual Conference of the Soil and Water Conservation Society, July 18-21, 2010, St. Louis, Missouri, USA.
 16. **Poudel, D.D., R. Srinivasan, K.C. Abbaspour, and C.Y. Jeong.** 2010. Problems and Prospects of the Application of Soil and Water Assessment Tool (SWAT) Model for the Identification of Nonpoint Source Pollution “Hotspots” in a Flat Coastal Agricultural Watershed in Humid Tropics, Seventh National Monitoring Conference, April 25-29, Denver, Colorado, National Water Quality Monitoring Council, USA.
 17. **Poudel, D.D.** 2009. Lesson learned from monitoring and modeling nonpoint source pollution in Bayou Plaquemine Brule in southwestern Louisiana, 17th National Nonpoint Source Monitoring Workshop, New Orleans, September 14-17, 2009.
 18. **Poudel, D.D.** 2008. Nonpoint Source Pollution in the five EPSCoR states of Louisiana, Arkansas, Mississippi, Alabama, and South Carolina in the southeastern U.S. NSF EPSCoR Water Workshop: Water Dynamics. Vermont EPSCoR, Burlington, Vermont, November 9-12, 2008.
 19. **Poudel, D.D.** 2008. *Asta-Ja* for Economic Development in Nepal, CFFN Conference, Unfolding Futures: Building Nepal Gound Up, Ottawa, Canada, July 10-12, 2008.
 20. **Poudel, D.D.** 2007. Issues and problems of improving surface water quality in Bayou Plaquemine Brule Watershed, Louisiana. Water Quality Conference Watershed Issues 2007, Conference, Oral Presentation, LDEQ and UL Lafayette, Lafayette. October 29-31, 2007.
 21. **Poudel, D.D.** 2007. Wildflowers for Highway Stormwater NPS Pollution Control, Water Quality Conference Watershed Issues 2007, Conference, Oral Presentation, LDEQ and UL Lafayette, Lafayette. October 29-31, 2007.
 22. Bigya Bhattarai and Durga D. **Poudel.** 2007. Modeling Nonpoint Source Pollution for an Agricultural Watershed in Louisiana, Water Quality Conference Watershed Issues 2007, Conference, Poster Presentation, LDEQ and UL Lafayette, Lafayette. October 29-31, 2007.
 23. C.Y. Jeong and D. D. **Poudel.** 2007. Discharge Measurement using Acoustic Doppler Current Profilers in Bayou Plaquemine Brule Watershed, Louisiana, Water Quality Conference Watershed Issues 2007, Conference, Poster Presentation, LDEQ and UL Lafayette, Lafayette. October 29-31, 2007.
 24. **Poudel, D.** and Chang-Yoon Jeong. 2007. Critical Water Quality Areas in Bayou Plaquemine Brule Watershed in Louisiana. ASA-CSSA-SSSA 2007 International Annual Meetings, November 4-8, 2007, New Orleans, Louisiana, Poster Presentation.
 25. Chang-Yoon Jeong and Durga **Poudel.** 2007. Modeling Surface Charge and Cation Binding in Humic Substances Extracted from the Bottom Sediments of Bayou Plaquemine Brule in Louisiana. ASA-CSSA-SSSA 2007 International Annual Meetings, November 4-8, 2007, New Orleans, Louisiana, Poster Presentation.
 26. **Poudel, D.D.** 2007. Farmers cooperatives for food self-sufficiency, agricultural commercialization, and socio-economic development of Nepal. Canadian Forum for Nepal Conference, October 5–7, 2007, Ontario, Canada.
 27. C.Y. Jeong, D.D. **Poudel.** 2005. Discharge measurement in a stream by using Acoustic Doppler Current Profilers (ADCP) and Manning’s equation. Oral presented at Louisiana Academy of Science Annual Meetings, Grambling, Louisiana, March 18.

28. **Poudel**, D.D., C.Y. Jeong and S. Kolian. 2004. Surface water quality in Bayou Plaquemine Brule in southwestern Louisiana. Oral presented at American Society of Agronomy (ASA) Annual Meetings, Seattle, Washington, October 31 – November 4.
29. Jeong, C.Y., D.D. **Poudel**. 2004. Suspended solid and its cation binding capacity in Bayou Plaquemine Brule, Louisiana. Poster presented at American Society of Agronomy (ASA) Annual Meetings, Seattle, Washington, October 31 – November 4.
30. Anzalone, C., D.D. **Poudel**, and L.M. Vincent. 2003. Agricultural and Environmental Challenge: The Strongest Link. Poster presented in ASA annual meeting Nov. 3, 2003, Denver, Colorado.
31. Jeong, C.Y., D.D. **Poudel**, and S. Kolian. 2003. Nutrient loading, SOD and DO in Bayou Plaquemine Brule Watershed in southwestern Louisiana. Poster presented in ASA annual meeting Nov. 4, 2003, Denver, Colorado.
32. **Poudel**, D.D., C.Y. Jeong, H. Chen, S. Kolian, and A. DeRamus. 2002. Monitoring Surface Runoff from Sugarcane fields, Pasturelands, and Rural Residential areas in Vermillion-Teche River Basin, Louisiana. Poster presented in ASA annual meeting Nov. 10 –15 in Indianapolis.
33. Jeong, C.Y., D.D. **Poudel**, and S. Kolian. 2002. Water Quality Monitoring in Bayou Plaquemine Brule Watershed in Southwestern Louisiana. Poster presented in 2002 ASA annual meeting, 10-15 Nov., Indianapolis.
34. **Poudel**, D.D., W.R. Horwath, J. P. Mitchell, and S.R. Temple. 2000. Impacts of farming systems on soil mineral nitrogen levels of irrigated processing tomatoes. 7th ISHS International Symposium on the Processing Tomato. June 10-13, 2000. Sacramento, California, USA. VII ISHS Symposium on the Processing Tomato Program and Abstr. p.35.
35. Colla, G., J. P. Mitchell, D.D. **Poudel**, and F. Saccardo. 2000. Impacts of farming systems and soil characteristics on processing tomato fruit quality. 7th ISHS International Symposium on the Processing Tomato. June 10-13, 2000. Sacramento, California, USA. VII ISHS Symposium on the Processing Tomato Program and Abstr. p. 36.
36. Colla, G., J.P. Mitchell, and D.D. **Poudel**. 2000. Impacts of farming systems and soil characteristics on processing tomato fruit quality. Program and Abstracts of the 97th International Conference of the Amer. Soc. for Hort. Sci. Hortscience Vol. 35, No. 3:488. June.
37. **Poudel**, D.D., W.R. Horwath, S.R. Temple, W.T. Lanini, and A.H.C. van Bruggen. 1999. Using plant tissue nitrogen as an indicator of crop yield and soil nitrogen availability in organic, low-input, and conventional farming systems. In: 1999 Annual Meeting Abstracts. Salt Lake City, Utah. October 31- November 4, 1999. ASA, CSA, SSSA. p. 254
38. Mitchell, J.P., G. Colla, B.A. Joyce, L.M. Huyck, W.W. Wallender, S.R. Temple, P.N. Brostrom, E.M. Miyao, and D.D. **Poudel**. 1999. Impacts of alternative cropping systems on soil physical properties, crop productivity and quality, and water management in California's Sacramento Valley. Program and Abstracts of the 96th International Conference of the Amer. Soc. for Hort. Sci. Hortscience Vol. 34, No. 3:522. June.
39. **Poudel**, D.D., T.M. Nissen, and D.J. Midmore. 1997. Farmers participatory approach for soil and water conservation in the Manupali watershed, Mindanao, the Philippines. In: Interactions: Investigating Ecosystem Dynamics at the Watershed Level. April 14-15, Athens, USA, SWCS. pp. 26-27.

Book chapters

1. Midmore, D.J., D.D. **Poudel**, T.M. Nissen, A. Dano, and G. Zhu. 2005. Alternatives to traditional annual crop agriculture in the uplands: Biophysical evidence from the Manupali Watershed. In: Coxhead I. and G. Shively (eds.). Land Use Change in Tropical Watersheds: Evidence, Causes, and Remedies. CAB International, Wallingford, UK. P 133-146.

2. Midmore, D.J., T.M. Nissen, and D.D. **Poudel**. 2001. Making a living out of agriculture: Some reflections on vegetable production systems in the Manupali watershed pp. 94-111. Coxhead, I.; Buenavista, G. (Eds.), Seeking sustainability: Challenges of agricultural development and environmental management in a Philippine watershed. Los Banos, Laguna, Philippines: PCARRD. 267p.

Books/bulletins/thesis, dissertation

1. **Poudel**, D.D., D. Wollard, J. Foret, M. Simon, C. Anzalone, S. Guedry, and T. Sasek. 2010. Louisiana Roadside Wildflower Establishment and Management Guidelines, University of Louisiana at Lafayette, Lafayette, Louisiana, USA. 54p.
2. **Poudel**, D.D. (Ed.). 2006. 2005 Louisiana Surface Water Quality Conference Proceedings. June 1-3, 2005. The University of Louisiana at Lafayette, Louisiana, USA. 161 p.
3. **Poudel**, D.D. 1998. Soil Development and Productivity, and Erosion Management of Steepland Volcanic-ash Derived Soils for Sustainable Vegetable Production in Mindanao, the Philippines. Ph. D. Dissertation. The University of Georgia, Athens, GA, USA. 198p.
4. Midmore, D.J., H.G.P. Jansen, R.G. Dumsday, A.A. Azmi, D.D. **Poudel**, S. Valayasia, J. Huang, M. M. Radzali, N. Fuad, A. B. Samah, A. R. Syed, and A. Nazlin. 1996. Technical and economic aspects of sustainable production practices among vegetable growers in the Cameron Highlands, Malaysia. Technical Bulletin no. 23. Asian Vegetable Research and Development Center (AVRDC), Sanhua, Tainan, Taiwan, ROC. 64 p.
5. Interdisciplinary Natural Resources Development and Management (INRDM). 1991. An Interdisciplinary Approach Towards Environmental Sustainability of Enrekang District South Sulawesi, Indonesia. M. Sc. Practicum Research Study. Interdisciplinary Natural Resources Development and Management Program, Asian Institute of Technology, Bangkok, Thailand.

Other publications

1. Poudel, D.D. 2018. Agricultural and Natural Resources Development and Management Strategy (<https://youtu.be/M2AWEVxjekE>), Video Presentation. Invited Speaker, Agriculture and Food Security Symposium, 1st NRN Global Knowledge Convention, 12-14, October, 2018, Kathmandu, Nepal.
2. **Poudel**, D.D., R.P. Thakur, T.W. Duex, A. Singh, K.K. Acharya, E.G. Blakewood, B. Chapagain, S. Adhikari, A. DeRamus, R.B. Gramling. 2013. Climate change and other factors degrade Nepalese livestock systems, Research Brief (RB-13-2013), Adapting Livestock Systems to Climate Change Collaborative Research Support Program, Colorado State University, USA, www.lccrsp.org
3. **Poudel**, D.D., R.P. Thakur, A. Singh, M.R. Tiwari, and A. DeRamus. 2012. Adapting livestock production system to climate change: Assessing feed, nutrition, and animal health, Research Brief (RB-05-2012), Adapting Livestock Systems to Climate Change Collaborative Research Support Program, Colorado State University, USA, www.lccrsp.org
4. **Poudel**, D.D., R.P. Thakur, and A. Singh. 2012. Adapting livestock production systems to climate change: Community capacity-building for better animal health, feed, soil and water, Research Brief (RB-02-2012), Adapting Livestock Systems to Climate Change Collaborative Research Support Program, Colorado State University, USA, www.lccrsp.org
5. **Poudel, D.D.** 2007. Farmer Cooperatives for Food Self-sufficiency, Agricultural Commercialization, and the Socio-economic Development of Nepal. Canada Forum for Nepal, Proceedings of Unfolding Futures: Nepalese Economy, Society, and Politics, Friday – Sunday,

October 5-7, 2007, Ottawa, Canada. At <http://www.cffn.ca/conf/2007/Farmer-Cooperatives-Durga-D-Poudel%20.php>

6. **Poudel, D.D.**, C.Y. Jeong, and C. Anzalone. 2006. Seasonal variation in dissolved oxygen levels in Bayou Plaquemine Brule watershed. In: Poudel, D.D. (Ed.) 2005 Louisiana Surface Water Quality Conference Proceedings. June 1-3, 2005. The University of Louisiana at Lafayette, Louisiana, USA. pp.12-22.
7. **Poudel, D.D.**, C.Y. Jeong, C. Anzalone, T. Haley, G. Guidroz, and D. Deoras. 2006. Nutrient loadings from sugarcane fields, pasture lands, and residential areas with and without best management practices (BMPs). In: Poudel, D.D. (Ed.) 2005 Louisiana Surface Water Quality Conference Proceedings. June 1-3, 2005. The University of Louisiana at Lafayette, Louisiana, USA. pp. 104-123.
8. Whitnel, J.C., **D.D. Poudel**, T. Duex, and R. Clary. 2006. Surface water quality, bottom sediments, and landuse types in Bayou Plaquemine Brule watershed. In: Poudel, D.D. (Ed.) 2005 Louisiana Surface Water Quality Conference Proceedings. June 1-3, 2005. The University of Louisiana at Lafayette, Louisiana, USA. pp.23-36.
9. Jeong, C.Y. and **D.D. Poudel**. 2006. Rainstrom effect on total suspended solids and nutrient concentration in Bayou Plaquemine Brule. In: Poudel, D.D. (Ed.) 2005 Louisiana Surface Water Quality Conference Proceedings. June 1-3, 2005. The University of Louisiana at Lafayette, Louisiana, USA. pp.37- 49.
10. **Poudel, D.D.**, W.R. Horwath, J.P. Mitchell, and S.R. Temple. 1999. Impacts of Farming System on Soil Mineral Nitrogen Levels of Irrigated Processing Tomatoes: A Case Study from the UC Davis Sustainable Agriculture Farming Systems Project. Sustainable Agriculture Farming Systems Project, UC Davis, CA, USA. 3(1): 1-3. [Newsletter]
11. Midmore, D.J., D.D. **Poudel**, and T.M. Nissen. 1999. How will medium term agricultural sustainability in the Philippine highlands be affected by induced reductions in commodity prices for annual crops, by adoption of technologies that reduce erosion, and by combinations of the two? In: Environmental Services and Land Use Change, Bridging the Gap between Policy and Research in Southeast Asia. 30 May - 2 June, ICRAF Chiang Mai, Thailand.
12. **Poudel, D.D.** (ed.). 1995. Proceedings of a Farmers Workshop and Follow-up on commercial vegetable production in Lantapan, Bukidnon, the Philippines, April 20-22, May 11. AVRDC, Taiwan.
13. Munankami, R.B., M. Karmacharya, and D. D. **Poudel**. 1989. Exports / imports of selected agricultural products of Nepal (by customs division). In: Proceeding of the Business Executives' Workshop on Agro-enterprise, 1989. No-frills Consultants, Kathmandu, Nepal.

Grants and Contracts:

To support teaching

1. Developed a Soils and Water Lab at UL Lafayette acquiring various equipment such as Atomic Absorption Spectrophotometer, CN analyzer, Auto Analyzer, Freeze Dryer, YSI Sonde, ADCP Doppler, Oven, Balances, DO meters, EC meters, pH meters, Penetrometers, Flowmeters, and other many small pieces of equipment and probes through acquiring external funding as well as university support.

2. Collaborated with other faculty members and received STEP Grant for Hamilton Hall Computer Lab – 127 Classroom Enhancement in 2009 (STEP G298AN). Collaborators included Rachel Fournet, Nancy Coghill, Jackie Robeck, and Durga Poudel.

Principal Investigator

2000 – 2020, University of Louisiana at Lafayette

Total project amount \$6,880,381 (agency \$4,480,761, match \$2,390,120)

1. **Establishment and Maintenance of Salvinia Weevil Rearing Ponds. LA Coastal Restoration Authority, September 1, 2017 to June 30, 2020. Project amount \$30,000 (agency \$30,000). [On-going]**
2. **Establishment and Maintenance of Salvinia Weevil Rearing Ponds. LA Department of Wildlife and Fisheries, May 1, 2017 to September 30, 2017. Project amount \$9,500 (agency \$9,500). [Completed]**
3. **Water Quality Sampling in Bayou Chene project. Louisiana Department of Environmental Quality, June 15, 2015 to September 30, 2017. Project amount \$847,502 (agency \$507,664, match \$339,838). [Completed]**
4. **Wildflower Seed Bank, LaDOTD Highway Beautification, and Tourism Promotion in Louisiana. Louisiana Department of Transportation and Development. 2005-2015. Project amount \$2,318,995 (agency \$1,733,540, match 585,455). [Completed]**
5. **The Mississippi River Basin Initiative (MRBI) Watershed Water Quality Monitoring in Bayou Chene and Lacassine Bayou Project. Louisiana Department of Environmental Quality, March 1, 2012 to June 14, 2015. Project amount \$883,322 (agency \$529,758, match \$353,564). [Completed]**
6. **Capacity-building and strengthening of livestock production system while adapting to climate change in Nepal. Livestock Climate Change Collaborative Research Support Program (LCC CRSP) Nepal Seed Grant project. This project is funded by the LCC CRSP, established through a cooperative agreement with the U.S. Agency for International Development. June 1, 2011 to January 31, 2013. Project amount \$99,988 (agency \$79,990, match 19,998). [Completed]**
7. **Faculty Retreat, Earth Day Celebration, Alumni Award, Wildflower Field Day, FFA Contest Planning meeting, Land Judging Contest, and Travel Supplement. The South Mid-Winter Fair Grant, 2010-2011. Project amount \$3,160 (agency \$3,160). [Completed]**
8. **Environmental Competition Award, The South Mid-Winter Fair Grant, 2009-2010. Project amount \$1,050 (agency \$1,050). [Completed].**
9. **Faculty Retreat, The South Mid-Winter Fair Grant, 2009-2010. Project amount \$500 (agency \$500). [Completed]**
10. **The Coulee Baton Microwatershed Nonpoint Source Pollution Monitoring and Modeling Project. Louisiana Department of Environmental Quality. May 1, 2008 – September 30, 2011. Project amount \$524,140 (agency \$314,484, match \$209,656). [Completed]**
11. **Nonpoint Source Pollution: Louisiana State Surface Water Quality Conference 2007. Louisiana Department of Environmental Quality. March 1, 2007 – March 31, 2008. Project amount \$30,569 (agency \$21,000, match \$9,569). [Completed]**
12. **Modeling Nonpoint Source Pollution and Landuse Types in Bayou Plaquemine Brule Watershed. Louisiana Department of Environmental Quality. July 1, 2006 – June 30, 2009. Project amount \$514,180 (agency \$287,864, match \$226,316). [Completed]**

13. 2005 Louisiana Surface Water Quality Conference. To be held at Lafayette Hilton Hotel on June 1-3, 2005. This conference is organized by RRES UL Lafayette, LaDEQ, and US EPA. Project amount **\$29,069 (agency \$12,500, match \$16,569). [Completed]**
14. Bayou Plaquemine Brule Watershed Water Quality Monitoring – Phase II. Louisiana Department of Environmental Quality. May 17, 2004 – December 31, 2005. Project amount **\$342,851 (agency \$203,151, match \$139,700). [Completed]**
15. Vermilion-Teche River Basin Water Quality Monitoring Project Phase II. Louisiana Department of Environmental Quality. June 1, 2003 – November 30, 2005. Project amount **\$338,277 (agency \$200,000, match 138,277). [Completed]**
16. Participatory Evaluation of Organic Production System in Southwestern Louisiana. Organic Farming Research Foundation. March, 2002 – October, 2003. Project amount **\$6,800 (agency \$6,800). [Completed]**
17. Bayou Plaquemine Brule Watershed Water Quality Monitoring Project. Louisiana Department of Environmental Quality. April 2001 – March 2004. Project amount **\$430,180 (agency \$249,563, match \$180,617). [Completed]**
18. Establishment of a Bio-treatment Laboratory for Agricultural Runoff at UL Lafayette’s Experimental Farm. Board of Regents Support Fund (BORSF). July 2001 – June 2003, Project amount **\$74,596 (agency \$74,596). [Completed]**
19. Vermilion-Teche River Basin Water Quality Monitoring Project Phase I. Louisiana Department of Environmental Quality. September 2000 – May 2003. Project amount **\$352,802 (agency \$182,241, match \$170,561). [Completed]**
20. Integrated Environmental and Nutritional Analysis from *Soil & Seed to Stove & Service*. State funded college wide competition for “Scientific Equipment for 2000-2001”. Project amount **\$42,900 (agency \$42,900). [Completed]**

Co-PI/Investigator

2000-2017, University of Louisiana at Lafayette, and 1998-2000, UC Davis
Total project amount \$2,039,032 (agency \$1,767,380, match \$271,652)

1. PI, Dr. David Borrok. A Surface Water Management Framework to Counterbalance Groundwater Withdrawals in Wetter Regions of the U.S., National Science Foundation (NSF). August 1, 2014 to July 31, 2017. Agency fund \$483,914. (Co-PIs Emad Habib, JoAnne DeRouen, Whitney Broussard, Durga Poudel) **[Completed]**
2. PI, Dr. Yi-Hong Wang. Enhancement of Teaching Agricultural Biotechnology Laboratory and Research Infrastructure in Department of Renewable Resources at UL Lafayette, BOR Traditional Enhancement Grant, 2010. Development of the plant science lab in Hamilton Hall into a biotechnology lab. This lab will be equipped for research on plant genetics and biofuel feedstocks, 2010. Project amount **\$35,577 (agency \$35,577). [Completed]**
3. Hamilton Hall Computer Lab – 127 Classroom Enhancement, 2009 - Rachel Fournet, Nancy Coghill, Jackie Robeck, and Durga Poudel. STEP Grant (STEP G298AN). Project amount **\$53,542 (agency \$53,542). [Completed]**
4. Transportation Enhancement of University Common. Department of Transportation and Development, Louisiana. Nov., 2003 – Dec., 2011. Project amount **\$908,585 (agency \$908,585). [Completed]**
5. Model Sustainable Farm for Practical Water Quality Management Phase II. Louisiana Department of Environmental Quality. April, 2003 – March 2004. Project amount **\$447,103 (agency \$268,262, match \$271,652). [Completed]**

6. Environmental Education Challenge: The Strongest Link, 2002. US EPA. Project amount **\$5,000 (agency \$5,000)**. [Completed]
7. Organic Farming Practices Workshop, 2001. USDA Risk Management Program. Project amount **\$4,300 (agency \$4,300)**. [Completed]
8. Impacts of farming system on tomato fruit quality and nutritional values, and the selection of cover crop mixture/varieties for the summer-fall niche in organic tomato farming system. Organic Farming Research Foundation (OFRF). March 1999 – April 2000. Project amount **\$8,200 (agency \$8,200)**. [Completed]

Awards, Honors, and Recognitions:

2013 – Present	Regents Professorship in Renewable Resources, UL Lafayette
2006 - Present	Fellow, Center for Cultural and Eco-Tourism, UL Lafayette
2003 - Present	Faculty Senate, UL Lafayette
2001 – Present	Graduate Faculty, UL Lafayette
2017	Journal of Soil and Water Conservation 2017 Best Research Paper Award for Impact and Quality Honorable Mention In Recognition of the Impact and Quality of the Following Research Paper: Poudel, D.D., T. Lee, R. Srinivasan, K.C. Abbaspour, and C.Y. Jeong. 2013. Assessment of seasonal and spatial variation of surface water quality, identification of factors associated with water quality variability, and the modeling of critical nonpoint source pollution areas in an agricultural watershed, <i>Journal of Soil and Water Conservation</i> 68(3): 155-171 www.swcs.org . Received on Tuesday, August 1, 2017, at SWCS 72 nd International Conference, July 30-August 2, 2017, Manona Terrace Convention Center, Madison, Wisconsin, USA.
2016	Outstanding Achievement in Externally Funded Research Award (Intended to recognize those who have been awarded externally sponsored projects in an amount of \$500,000 or more during the 2014-2016 academic years). Research Recognition Reception for Academic Years 2014-2016, Nov. 17, 2016, LITE Center, UL Lafayette, Louisiana, USA.
2014	On 2014 SSSA (Soil Science Society of America) Election Ballot (Soil and Water Management and Conservation Division Chair-Elect). Election begins in February, 2014. (Lost)
2014	First Honorary Chair of the Bayou Vermilion Treasures- a Water Symposium, scheduled on May 8-10, 2014, Lafayette, Louisiana.
2010, 2011, 2013	Outstanding Academic Advisor Award (2009, 2010, 2012), UL Lafayette
2007 – 2013	Regents Professorship in Applied Life Sciences, UL Lafayette
2007	Outstanding Minority Environmental Faculty, Minority Environmental Leadership Development Initiative (MELDI), University of Michigan, School of Natural Resources and Environment
2006	Outstanding Leadership and Community Services, Acadiana Indiana Association
2006	Coaches Sportsmanship Award, U-12 Boys, Youth Soccer Association, Louisiana
2005	Outstanding Professor/Researcher, U.S. Immigration and Naturalization Services
2002-2005	Associate -Center for Cultural and Eco-Tourism, UL Lafayette
2000 –2007	SLEMCO/BOR Professor in Applied Life Sciences, UL Lafayette
2001	Summer Research Award (\$4,800), UL Lafayette

2001	Research Resourcefulness, Dept. of Renewable Resources, UL Lafayette
2001	Dean's Excellence Award, College of Applied Life Sciences, UL Lafayette
1991	Carl Duisberg Gesellschaft Scholarship Award to participate on Coastal Zone Environmental Planning Short Course at AIT, Bangkok.
1990-1991	AIT Scholarship Award for M.Sc. program at AIT, Bangkok, Thailand.
1983-1987	GTZ Scholarship Award for B.Sc. degree, Univ. of Agri., Faisalabad, Pakistan
1978-1980	Merit Scholarship.

Professional Service:

Editorial board and review activities

- Editorial Advisory Board, Agriculture, Ecosystems & Environment journal, 2006 –2015.
- Have reviewed two books.
- Have refereed more than 77 research journal articles for *Agriculture Ecosystem and Environment*, *Soil Science Society of America Journal*, *Agronomy Journal*, *Journal of Environmental Quality*, *Agronomy for Sustainable Development*, *Environmental Pollution*, *Himalayan Journal of Sciences*, *Journal of Soil and Water Conservation*, and *Journal of Environmental Management*.

Resource person and other activities

June 2018	Founding President of Asta-Ja USA, a 501C(3) Non-profit organization.
January 1, 2016 – Present	Adviser, Nepalese Association of Southeast America (NASEA).
January 1, 2016 – Present	Board Member, Bayou Vermilion Preservation Association, Lafayette, Louisiana, USA
2005-Present	Resource Person - Southern Organic Resource Guide/Louisiana Organics (http://attra.ncat.org/sorg/la/)
2003- Present	Louisiana State Technical Advisory Committee, USDA –NRCS, Alexandria, LA
May 28, 2016 – May 27, 2018	Executive Member, Association of Nepalese Agricultural Professionals of Americas (NAPA), USA.
April 2014	Founding President of Asta-Ja Research and Development Center (Asta-Ja RDC), a non-profit non-governmental organization. Kathmandu, Nepal.
2008	Organizing Committee member for 2008 NSF EPSCoR Water Quality Conference, Vermont, USA.
2007	Panel Expert, Best Practices for Field Days Delphi Expert Panel (NSF Funded project to develop and evaluate observation instrumentation that works effectively for determining quality of a field day).

Conferences and workshops hosted

2007	Louisiana Surface Water Quality Conference: Watershed Issues 2007, Lafayette, October 29-31, 2007.
2007	Wildflower Conservation Practices Symposium, Lafayette, August 15, 2007.
2006	Wildflower Symposium, UL Lafayette, May 31, 2006.
2005	2005 Louisiana Surface Water Quality Conference, Lafayette, June 1-3, 2005.
2001	Organic Farming Practices Workshop, Lafayette, August 7, 2001.

2001 Sustainable Urban Landscape Conference jointly organized with Plant Health Care Inc., Lafayette, February 23, 2001.

Community Service:

In 2017, Dr. Poudel played a role in conducting cultural tourism and Acadiana festivals impact studies led by Dr. Deerga Adhikari in School of Business. Lafayette Visitor Center funded \$19,000 for these studies while Dr. Deerga Adhikari and Dr. Poudel provided free services to the studies. Students from UL were engaged in the studies.

Dr. Poudel played a leading role in starting celebrating the **Earth Day** events at UL Campus. The first Earth Day celebration was held at UL Lafayette on April 21, 2004 on the front lawn of Hamilton Hall and it has been celebrated annually ever since. Various federal, state, and local government agencies, and private businesses set up their booths and students get opportunities to learn about their potential future employers. Earth Day observances broaden the base of support for environmental programs, rekindle public commitment, and enroll participation from every social and business sector.

Dr. Poudel played an active role in initiating the event of **Louisiana Envirothon** at the University of Louisiana at Lafayette Cade Research Farm in 2004. Since then this event has been held annually at the Cade farm. The Louisiana Envirothon is a multidisciplinary, environmental problem-solving competition for students in grades 6 through 12. The teams, consisting of 5 students each, train and compete in five areas of natural resources: soils, aquatic resources, forestry, wildlife, and a current environmental issue. The winning team participates in the Canon Envirothon national competition.

From 2001 – 2013, as a Director of Agricultural Auxiliary Units, Dr. Poudel worked with faculty and staff in organizing **FFA Land Judging Contest** at the University Farm every year. This contest is held in the month of October and is utilized as a good opportunity for student recruitment. Over seventy teams, approximately 200 FFA high school students, converge at University's Farm for Land Judging Competition.

From 2001 – 2012, as a Director of Agricultural Auxiliary Units, Dr. Poudel worked with faculty and staff in organizing the **Festival des Fleurs** event at UL Lafayette Blackham Coliseum in the month of April. This event is considered a premier garden show and sale. More than eighty vendors display the very best of floral and vegetable plants for sale. Exhibits are presented by the Lafayette Garden Club, the Bonsai Society of Acadiana, and the Acadian Orchid Society. Proceeds benefit the Ira Nelson Horticulture Center.

From 2001-2003, as a Director of Agricultural Auxiliary Units, Dr. Poudel worked with faculty and staff in hosting annual **Farm Day** at University Farm. Annual Farm Day event was initiated in 1991. It was conducted each year in the spring as an outreach to the K-12 grade children from local schools in the 3 parishes of Iberia, Lafayette, and St. Martinville. Prior to Farm Day, tours of the Cade Farm were given on a weekly basis during the Fall and the Spring semesters. Any school class that wanted a tour was scheduled and time was given for a personal tour of the farming operations. Farm Day was initiated as a way to consolidate many tours into a one day event that would accommodate tours for 800 to 1,200 children, teachers, and parents. Participants would take a walking tour of 8 to 10 stations in which the hands on learning experience would take place. Horses, Beef cattle, sheep, goats, pigs, chickens, crawfish, dairy cows, calves, monkeys, petting zoo, and a hay maze were all included in the tour. All of

the Faculty and Staff were involved in teaching and demonstrating their areas of expertise and the participants learned all about Agriculture, Research, how to make butter, and how to milk a cow.

Dr. Poudel hosted **Organic Farming Practices Field Day** on May 15, 2002. Participants observed organic tomato production at Cade Farm, http://ofrf.org/funded/reports/poudel_01f28.pdf.

Media highlights:

- 2017 Renewing resources, New master's program to focus on soil and water research, an interview by Heidi Thevis, the Vermilion (UL Lafayette' Student Newspaper), January 18, 2017.
- 2014 2013 La LOUISIANE, The Magazine of the University of Louisiana at Lafayette- FALL 2013. Researcher Looks for Sources of Water Pollution Close to Home, Vol 23, No. 2., Page 6-7. UL LAFAYETTE NEWS – AUG 19, 2013. Louisiana research applied to Nepal project. Available at: <http://louisiana.edu/news-events/news/20130819/louisiana-research-applied-nepal-project>
Soil And Water Conservation Society - Conservation NewsBriefs – AUG 15, 2013. 6-YEAR STUDY TACKLES NONPOINT SOURCE POLLUTION IN Louisiana watershed, ENVIRONMENT MONITOR. Available at: <http://multibriefs.com/briefs/swcs/SWCS081513.php>.
ENVIRONMENTAL MONITOR – AUG 9, 2013. Six-year study tackles nonpoint source pollution in Louisiana watershed, by Jeff Gillies. Available at: <http://www.fondriest.com/news/six-year-study-tackles-nonpoint-source-pollution-in-louisiana.htm>
Feed the Future Innovation Lab Collaborative RESEARCH (Adapting Livestock Systems to CLIMATE CHANGE) – JUN 7, 2013. Researcher's study on agricultural watersheds published, by Ricki Watkins. Available at: <http://lcccrsp.org/2013/06/researchers-study-on-agricultural-watersheds-published/>
- 2012 UL LAFAYETTE NEWS – JAN 19, 2012. UL LAFAYETTE PROFESSOR WARNS OF CLIMATE CHANGES IN SOUTH ASIA by Christine Payton. Available at: <http://www.louisiana.edu/news-events/news/20120119/ul-lafayette-professor-warns-climate-changes-south-asia>
- 2011 Eurasiareviewreview – news&analysis. DEC 29, 2011. Climate Change Endangers Millions in South Asia by Zafer Iqbal. Available at: <http://www.eurasiareview.com/29122011-climate-change-endangers-millions-in-south-asia/>
Feed the Future Innovation Lab Collaborative RESEARCH (Adapting Livestock Systems to CLIMATE CHANGE) – SEP 22, 2011. University of Louisiana at Lafayette community learns about impact of climate change on rural Nepal. Available at: <http://lcccrsp.org/2011/09/university-of-louisiana-at-lafayette-community-learns-about-impact-of-climate-change-on-rural-nepal/>
Earth Day urges eco-responsibility, appreciation by Lawrence Mason, Staff Writer, The Vermilion, UL Lafayette's Student Newspaper Since 1904, Vol. CXXVI No. LXII, April 13, 2011.
- 2009 Earth Day, April 21, 2009, Channel 3, Lafayette, LA.
- 2008 Wildflower for Louisiana Highway Enhancement, August, 2008. Channel 10, Lafayette, LA.
- 2006 This Week in Louisiana Agriculture, May 29 2006, KXTV Channel 3, LA. 2006.
ULL professor works to save soil: University's Cade farm fuels research, By Madelaine Landry, Special to The Advocate, The Advocate, July 10, 2006.
Earth Day, April 12 2006, KXTV Channel 3, LA. 2006.
- 2004 Mother Earth, By Claudia B. Laws, The Daily Advertizer, April 22, 2004.
Pasture promote learning: At UL Lafayette's farm in Cade, agriculture concept come alive, Marsha Sills, The Daily Advertizer, www.theadvertiser.com, April 21, 2004.
- 2001 Guest for "Global Agriculture & Food Supply" discussion on Acadiana TV- Ecologic, Channel 5, Louisiana, USA. 9:30 PM – 10:30 PM, March 12, 2001.
- 2000 Dangerous fruits and vegetables by Eliza Anne Wagner, Natural Health, May 2000, Page 75-78.

1999 Long-term study of alternative farming to be released July 26 at UC-Davis field day, Capital Press, June 25, 1999.

Professional Meetings Attended and Presentations:

2019

1. Soils Across Latitudes, 2018-2019 International Soils Meeting, January 6-9, 2019, San Diego, CA, USA. Organized by Soil Science Society of America.

2018

1. 5th Annual River Symposium, Contributing to the Tributaries: Community-driven Watershed Management, Bayou Vermilion Preservation Association, September 7, 2018, Lafayette, Louisiana, USA.
2. International Conference on Roles of Nepali Diaspora in Higher Education in Nepal, July 7 and 8, 2018, Toronto, Canada; Organized by Global Policy Forum for Nepal (GPFN), Association of Nepalis in the America (ANA), and Canada Foundation for Nepal (CFFN). Poudel, D.D. 2018. Agricultural and Natural Resources Development and Management Strategy. (Oral)
3. NRNA ICC's Regional Expert Conference, June 16-17, 2018, San Francisco, California, USA. D.D. Poudel. 2018. Agricultural Development in Nepal: Challenges and Opportunities. (Oral)
4. Association of Nepalese Agricultural Professionals of America (NAPA) First Biennial Conference, May 26-27, 2018, Oklahoma City, Oklahoma, USA. Poudel, D.D. 2018. Nepal Vision 2040: National Planning and Development. (Oral)
5. 2018 International Conference on Big Data and Education (ICBDE 2018), Honolulu, Hawaii, USA, March 09-11, 2018, Organized by IEDRC.
6. Research-Noon Seminar Series, East-West Center, Honolulu, Hawaii, USA, Thursday, March 8, 2018. Poudel, D.D. 2018. Climate change is affecting small-holder farming system and water sources in the mid-hill region of Nepal. (Oral) (Invited talk)

2017

1. American Geophysical Union (AGU) Fall Meeting, New Orleans, 11-15 December, 2017.
2. 4th Annual River Symposium, Teche-Vermilion Watershed: Building on regional Progress, September 8, 2017, Bayou Vermilion Preservation Association, Lafayette, Louisiana, USA.
3. 72nd SWCS International Annual Conference, July 30-August 2, 2017, Monona Terrace Convention Center, Madison, Wisconsin, USA. Poudel, D.D. 2017. Elevated Spring Turbidity Values in Bayou Chene, Louisiana: Causes and Consequences. (Poster).
4. 2017 GSA South-Central Section Meeting, 13-14 March, 2017, San Antonio, Texas, The Geological Society of America. Poudel, D.D., Challenges of improving surface water quality in Bayou Chene, Louisiana. (Oral).

5. Invited Speaker, National Disaster Recovery Framework Economic Recovery Support Function-Agriculture, Business, and Community Forum, Louisiana Economic Development and Acadiana Planning Commission, Wednesday, January 25, 2017, University of Louisiana at Lafayette LITE Center, 537 Cajundome Blvd., Lafayette, LA. Specialty Crops and DRA Assistance session. Title for the talk with PowerPoint presentation- Ira Nelson Horticulture Center and Specialty Crops in Southwestern Louisiana.

2016

1. ASA-CSSA-SSSA Meeting, Nov. 6-9, 2016, Phoenix, Arizona. Poudel, D.D., Water Quality Sampling and Assessment in a Coastal Agricultural Watershed in Louisiana, USA (Oral).
2. 71st SWCS International Annual Conference, July 24-27, 2016, Louisville, Kentucky. Poudel, D.D., Water Quality Sampling and Assessment for Bayou Chene in Louisiana, USA (Poster).
3. 1st NAPA General Assembly, May 28, 2016, DFW Airport Hotel and Convention Center, 4440 W. Airport Freeway, Irving (Dallas), Texas, 75062, USA. Poudel, D.D. Rebuilding coupled with Sustainable Land Use, Food Security, and Agri-business for Community Resiliency in the Gurkha Earthquake Devastated Region in Nepal (Oral)
4. Nepal Council of World Affairs (NCWA), NCWA Building, Lalitpur, Nepal, May 11, 2016. Poudel, D.D. Rebuilding coupled with Sustainable Land Use, Food Security, and Agri-business for Community Resiliency in the Gurkha Earthquake Devastated Region in Nepal (Oral)
5. Nepal Reconstruction Authority (NRA), Singhadurbar, Kathmandu, Nepal. May 10, 2016. Poudel, D.D. Rebuilding coupled with Sustainable Land Use, Food Security, and Agri-business for Community Resiliency in the Gurkha Earthquake Devastated Region in Nepal (Oral)
6. Chamber of the Chairman of Development Committee, Hon. Mr. Rabindra Adhikari, Legislature-Parliament, May 8, 2016. Poudel, D.D. Rebuilding coupled with Sustainable Land Use, Food Security, and Agri-business for Community Resiliency in the Gurkha Earthquake Devastated Region in Nepal (Oral)
7. International Workshop to mark the first Memorial Day of April 25, 2015 Gorkha Earthquake, 24-25 April 2016, Kathmandu, Nepal. Poudel, D.D. Rebuilding coupled with Sustainable Land Use, Food Security, and Agri-business for Community Resiliency in the Gurkha Earthquake Devastated Region in Nepal (Oral)
8. 50th Annual Meeting of the South-Central Section, GSA, Baton Rouge, Louisiana, USA, 21-22 March 2016. Terri Bannister, Durga D. Poudel and Timothy W. Duex. Mapping Geohazards in the Churia Region of Nepal: An Application of Remote Sensing and Geographic Information Systems to Quantify Changes (Poster)

2015

1. American Geophysical Union's Fall Meeting, San Francisco, 14-18 December, 2015.
2. 23rd International Grassland Congress (XXIII International Grassland Congress), IGC 2015, November 20-24, 2015, New Delhi, India. Poudel, D.D. and T.W. Duex. Declining water resources and environmental degradation: A case of the Thulokhola watershed in the Nuwakot district of Nepal (Oral)
3. GSA 2015, Baltimore, Maryland, USA. November 1-4, 2015. *Poudel, D.D., Establishing Agro-Industrial Information System for Rebuilding Earthquake Devastated Rural Nepal (Poster).*

4. 70th SWCS International Annual Conference, Putting Science into Practice, July 26-29, 2015, Sheraton Four Seasons Hotel, Greensboro, NC. Poudel, D.D. and Paul Klerks. Water Quality Monitoring in Bayou Chene and Lacassine Bayou in Louisiana (Oral).
5. Global Soil Security Conference, May 19-21, 2015, College Station, Texas A&M, International Union of Soil Sciences.
6. Engaged Student Learning: An Afternoon with Dr. Vincent Tinto, Tuesday, March 24, 2015, University of Louisiana at Lafayette, Louisiana, USA.
7. International Symposium on Glaciology in High-Mountain Asia, March 1-6, 2015, Kathmandu, Nepal. International Glaciological Society.

2014

1. ASA, CSSA, & SSSA International Annual Meeting, November 2 – 5, 2014, Long Beach, California. Poudel, D.D. 2014. *The Mississippi River Basin Initiative (MRBI) Watershed Water Quality Monitoring in Bayou Chene and Lacassine Bayou in Louisiana (Oral)*.
2. 64th Annual Convention of the Gulf Coast Association of Geological Societies (GCAGS) and Gulf Coast Section of SEPM, October 5-7, 2014, Lafayette, Louisiana, USA.
3. 69th SWCS International Annual Conference, Making Waves in Conservation, July 27-30, 2014, Westin Lombard Hotel 70 Yorktown Center, Lombard, Illinois 60148. Poudel, D.D. Reducing Nutrients, Fecal Coliform, and Sediment Concentrations in the Lower Mississippi River Sub-Basin (Oral).
4. 7th International Conference on Environmental Science and Technology, June 9-13, 2014, Crowne Plaza Hotel near Reliant Center, Houston, Texas, USA, EST, D.D. Poudel. Improving Surface Water Quality of an Agricultural Watershed using Planned Intervention Microwatershed Approach (Oral).
5. GLANCE 2014, Global Animal Nutrition Conference, April 20-22, 2014, Bangalore, India , Poudel, D.D., H.A. DeRamus, R.P. Thakur, and A. Singh. 2014. Feed, Nutrition, Animal Health and Changing Climate in the Mid-Hills Region of Nepal, pp.150-164, In: Samanta, A.K., Bhatta, R., Sejian, V., Kolte, A.P., Mlik, P.K., Sirohi, S.K. and Prasad, C.S. (Editors), **Invited Lectures: Climate Resilient Livestock Feeding System for Global Food Security.**, 286p. (Oral)
6. SSSA Specialized Conference, 2014. Soil Science Society of America (SSSA) Ecosystem Services Conference (Specialized Conference), Soil's Role in Restoring Ecosystem Services, March 6-9, 2014, Sacramento, California. Poudel, D.D. 2014. *A Quick Assessment of Soil Conditions through Focus Group Discussions, Participatory Rural Appraisals, and Soil Sampling in the Mid-Hills Region of Nepal (Oral)*.
7. NCSE's 14th National Conference and Global Forum on Science, Policy and the Environment, Building Climate Solutions, Conference, Hyatt Regency Crystal City at Washington, D.C. National Airport, January 28-30, 2014. National Council for Science and the Environment.

2013

1. ASA, CSSA, and SSSA 2013 International Annual Meetings, November 3-6, Tampa, FL. Water, Food, Energy & Innovation for Sustainable Development. Presided Session 424 1:10 PM – 2:30 PM on Wednesday 6, Climate Change and Soil and Water Sustainability.
2. LDEQs Annual NPS Project Review Meeting, December 10, 2013, LDEQ, Baton Rouge. Poudel, D.D., *The Mississippi River Basin Initiative (MRBI) Watershed Water Quality Monitoring in Bayou Chene and Lacassine Bayou Project (Oral)*.

3. 22nd International Grassland Congress, 15-19 September, 2013, Sydney, Australia, New South Wales Department of Primary Industry, Kite St., Orange New South Wales, Australia. Poudel, D.D., R.P. Thakur, T. Duex, G. Blakewood, A. Singh, A. DeRamus, B. Chapagain, K. Acharya, S. Adhikari, R.B. Gramling, and N. Sharma. 2013. *Adapting livestock production systems to climate change in Nepal: Challenges and opportunities (Oral)*.
4. South Central Section – 47th Annual Meeting of GSA, Austin Texas, April 4-5, 2013. Co-hosted the session: The Role of the Geosciences in water Sustainability: Examples, Challenges and Societal Impacts. Poudel, D.D., *Sediments, nutrients, and fecal matters impair surface water quality in a coastal agricultural watershed (Oral)*.
5. LSU, LDEQ Baton Rouge, 2013. Louisiana Nutrient Management Strategy Stakeholder Engagement Meeting, March 21, 2013. Poudel, D.D., *The Mississippi River Basin Initiative (MRBI) Watershed Water Quality Monitoring in Bayou Chene and Lacassine Bayou Project (Oral)*. [Invited Presentation]

2012

1. Annual NPS Project Review Meeting, 2012. LDEQ, Baton Rouge, December 12, 2012. Poudel, D.D., *The Mississippi River Basin Initiative (MRBI) Watershed Water Quality Monitoring in Bayou Chene and Lacassine Bayou Project (Oral)*
2. Knowledge Forum on Innovation Workshop, October 1, 2012, organized by USAID and LCC-CRSP, Colorado State University, Crowne Plaza Hotel, Kathmandu, Nepal. Poudel, D.D., *Reducing workloads of women smallholder farmers involved in goat production and management (Oral)*.
3. AWRA's 2012 Spring Specialty Conference, Geographic Information Systems (GIS) and Water Resources VII, New Orleans, Louisiana, March 26-28, 2012. AWRA.

2011

1. Annual Section 319 Project Review Meeting, 2011. LDEQ, Baton Rouge, November, 16, 2011. Poudel, D.D. *The Coulee Baton Microwatershed Nonpoint Source Pollution Monitoring and Modeling Project (Oral)*.
2. Coulee Baton Microwatershed Workshop, UL Lafayette, LA, August 25, 2011. *The Coulee Baton Microwatershed Nonpoint Source Pollution Monitoring and Modeling Project (Oral)*.
3. 6th International Conference on Remediation of Contaminated Sediments, Battelle, February 7-10, 2011, New Orleans, Louisiana.

2010

1. 18th National Nonpoint Source Monitoring Workshop: Monitoring and Evaluation Workshop for GreatLakes Restoration Initiative, Watersheds Best Management Practices, Planning, Implementation and Documenting Results. November 16-18, 2010. Hilton Milwaukee City Center, Milwaukee, Wisconsin, USA. Poudel, D.D. and C.Y. Jeong. *Seasonal, annual, and spatial variability of surface water quality, and the relationship between water quality parameters in an agricultural watershed (Oral)*.
2. Annual NPS Project Review Meeting, 2010. LDEQ, Baton Rouge, November 9, 2010. Poudel, D.D., *Instream Water Quality Monitoring in the Coulee Baton Microwatershed (Oral)*.
3. 65th International Annual Conference of the Soil and Water Conservation Society, July 18-21, 2010, St. Louis, Missouri, USA. Poudel, D.D., C. Y. Jeong, and J.C. McNamara, *Assessing the relationship between in-stream surface water total combustible solids, bottom sediment C, and*

landuse types, and identifying potential sites for soil C management and trading in an agricultural watershed (Poster).

4. Coulee Baton Microwatershed Workshop, Co-hosted by UL Lafayette, LDEQ, EPA Region 6, Vermilion Soil and Water Conservation District, USDA-NRCS, LA, July 13, 2010. *Poudel, D.D., Instream Water Quality Monitoring in the Coulee Baton Microwatershed (Oral)*.
5. 7th National Monitoring Conference, April 25-29, 2010, Denver, Colorado, National Water Quality Monitoring Council, USA. *Poudel, D.D., R. Srinivasan, K.C. Abbaspour, and C.Y. Jeong. 2010. Problems and Prospects of the Application of Soil and Water Assessment Tool (SWAT) Model for the Identification of Nonpoint Source Pollution "Hotspots" in a Flat Coastal Agricultural Watershed in Humid Tropics (Oral)*.
6. Summit V, Early Childhood Education: Discovering Connections, April 15-16, 2010, Cajundome Convention Center, Lafayette, Picard Center, University of Louisiana at Lafayette.

2009

1. Annual NPS Project Review Meeting, 2009. LDEQ, Baton Rouge, November 18, 2009. (1) *Poudel, D.D., Modeling NPS and Land-use in Bayou Plaquemine Brule, (Oral)*. (2) *Poudel, D.D., The Coulee Baton Microwatershed Nonpoint Source Pollution Monitoring and Modeling Project (Oral)*.
2. 17th National Nonpoint Source Monitoring Workshop, New Orleans, September 14-17, 2009. *Poudel, DD. Lesson learned from monitoring and modeling nonpoint source pollution in Bayou Plaquemine Brule in southwestern Louisiana (Oral)*.
3. Louisiana Cooperative Soil Survey Conference 2009, LSU AgCenter, September, 10, 2009, Baton Rouge, Louisiana.
4. International SWAT Conference, Boulder, Colorado, Aug. 3-7, 2009.
5. Rotary Club, Petroleum Club, Lafayette, Louisiana, July 29, 2009 (Oral). [Invited Presentation], *Poudel, D.D., 2009. Lesson learned from monitoring and modeling Bayou Plaquemine Brule watershed, Louisiana (Oral)*.
6. 3rd Louisiana Natural Resources Symposium, July 16-17, 2009, LSU, Louisiana.
7. Algae-to-Energy Feasibility in Louisiana, Dept. of Economics, March 10, 2009, Baton Rouge, Louisiana.
8. 26th Annual Academic Chairperson's Conference, Feb 11-13, 2009, Orlando, Florida.
9. 26th Annual Academic Chairperson's Conference- What is in the Horizon? Conflict Management and Standing on the Precipice, Pre-Conference Workshop, Kansas State University, Division of Continuing Education, Feb. 9-10, 2009, Orlando, Florida.
10. Assessment Workshop, Workshop on Learning and Program Assessment, UL Lafayette, by Mary Allen, February 4-5, 2009, UL Lafayette.

2008

1. *1st Annual Section 319 Project, Review Meeting LDEQ, Baton Rouge, November 13, 2008. Poudel, D.D., Modeling NPS Pollution and Land Use Types in Bayou Plaquemine Brule Watershed, 1st Annual Section 319 Project Review Meeting LDEQ (Oral)*.
2. NSF EPSCoR Water Workshop: Water Dynamics. Vermont EPSCoR, Burlington, Vermont, November 9-12, 2008. *Poudel, D.D., Nonpoint Source Pollution in the five EPSCoR states of Louisiana, Arkansas, Mississippi, Alabama, and South Carolina in the southeastern U.S (Oral)*.

3. Wildflower seedbank project, Fall 2008 Meeting, UL Monroe, 10/21/08 (Project Results Presentation).
4. CFFN Conference, Unfolding Futures: Building Nepal Ground Up, Ottawa, Canada, July 10-12, 2008. Poudel, D.D., *Asta-Ja for Economic Development in Nepal (Oral)*.
5. Carbon Credit Conference, LSU Ag. Center, Alexandria, Louisiana, May 14, 2008.
6. Gulf Coast National Conference, April 22-24, 2008, New Orleans, LA.
- 7.
8. Save Energy Now Workshop: Convert Wastes to On-site Heat and Power, March 13, 2008, Lafayette, LA.
9. 2008 AgOutlook Conference: "Connecting Agriculture and Renewable Energy Opportunities". Monroe, Louisiana, February 25-27, 2008, Organized by LSU AgCenter, Baton Rouge, LSU, Louisiana.
10. Louisiana Department of Environmental Quality Nonpoint Source Pollution Section Interagency Meeting Workshop, February 14, 2008, LDEQ, Baton Rouge, Louisiana.
11. Natural and Anthropogenic Subsidence Impact on Louisiana Coasts symposium, January 24, 2008. Organized by Baton Rouge Geological Society. LSU, Baton Rouge, Louisiana.
12. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf Meeting, January 10-11, 2008, Baton Rouge, Louisiana.

2007

1. International Delta Roundtable Meeting, November 27-30, 2007, Lafayette, Louisiana.
2. ASA-CSSA-SSSA 2007 International Annual Meetings, November 4-8, New Orleans, Louisiana. Participated on Hydric Soils Tour. Poudel, D.D. and C.Y. Jeong, *Critical Water Quality Areas in Bayou Plaquemine Brule Watershed in Louisiana (Poster)*.
3. Louisiana Water Quality Conference Watershed Issues 2007, Conference, LDEQ and UL Lafayette, Lafayette. October 29-31, 2007. (1) Poudel, D.D., *Issues and problems of improving surface water quality in Bayou Plaquemine Brule Watershed, Louisiana (Oral)*, and (2) Poudel, D.D., *Wildflowers for Highway Stormwater NPS Pollution Control (Oral)*
4. Unfolding Futures: Nepalese Economy, Society, and Politics, CFFN Conference, October 5-7, 2007, Ottawa, Canada. Poudel, D.D., *Farmers cooperatives for food self-sufficiency, agricultural commercialization, and socio-economic development of Nepal (Oral)*.
5. Native Wildflower Seed Production Research Symposium, July 19-20, 2007, Leu Gardens, Orlando, Florida.
6. GPS Workshop April 19 – April 20, 2007, NASA- RAC, UL Lafayette.
7. Soil and Water Assessment Tool (SWAT) Modeling Workshop, April 3 – April 5, 2007, UL Lafayette.
8. American Water Resources Association, Third National Water Resources Policy Dialogue, January 22-23, 2007, Sheraton National Hotel, Arlington, Virginia.

2006

1. 2006 AIH 25th Anniversary Meeting and International Conference. Challenges in Coastal Hydrology and Water Quality, Baton rouge, Louisiana, USA. May 21 – 24, 2006. American Institute of Hydrology. Poudel, D.D. *Challenges for improving surface water quality in an agricultural watershed in Louisiana (Oral)*.
2. American Water Resources Association (AWRA) Spring Specialty Conference on GIS and Water Resources IV in Houston, Texas, May 8 – 10, 2006. Renaissance Hotel, Houston, TX.

3. Board of Regents 2006 Post-Katrina/Rita Research and Education Forum. Science Recovery and Discovery: The Role of Higher Education in Securing a Sustainable Future. April 2-4, 2006. New Orleans Marriot Hotel 555 Canal Street, LA.

2005

2005 Louisiana Surface Water Quality Conference, UL Lafayette and LDEQ, Lafayette, Louisiana, June 1-3, 2005. (1) *Poudel, D.D., C.Y. Jeong, and C. Anzalone, Seasonal variation in dissolved oxygen levels in Bayou Plaquemine Brule watershed (Oral)*, and (2) *Poudel, D.D., C.Y. Jeong, C. Anzalone, T. Haley, G. Guidroz, and D. Deoras, Nutrient loadings from sugarcane fields, pasture lands, and residential areas with and without Best Management Practices (BMPs) (Oral)*.

2004

1. ASA, CSSA, and SSSA 2004 International Annual Meetings, Seattle, Washington, October 31 – November 4, *Poudel, D.D., C.Y. Jeong, and S. Kolian, Surface water quality in Bayou Plaquemine Brule in Southwestern Louisiana (Oral)*.
2. American Association of State Colleges of Agriculture and Renewable Resources (AASCARR), Annual Conference, Southwest Missouri State University, Springfield, MO, October 13-15, 2004.
3. Louisiana Symposium on History of Mathematics (Recent Researches in Indian Mathematics and the Scientific Renaissance), UL Lafayette, October 2, 2004.
4. Environmental Tourism Conference, Center for Cultural and Eco-Tourism, UL Lafayette. September 25, 2004.
5. 9th annual Environmental Education Symposium, Baton Rouge. Feb. 28, 2004.

2003

1. River Discharge and Velocity Measurement Class, New Orleans, LA, June 5, 2003. RD Instruments, Acoustic Doppler Solutions.
2. Louisiana Universities' Retention Conference, Louisiana 4-year Universities, Alexandria, Louisiana. April 7-8, 2003.
3. The Art of Proposal Development: A Grant Writing Workshop. University of Louisiana at Lafayette. April 4-5, 2003.

2002

1. Conference and Trade Show- Future Farms 2002, A supermarket of Ideas. November 15-16, 2002. Organized by Kerr Center in Norman Oklahoma.
2. ASA, CSSA, and SSSA 2002 International Annual Meetings, Nov. 10 –15, 2002, Indianapolis. *Poudel, D.D., C.Y. Jeong, H. Chen, S. Kolian, and A. DeRamus, Monitoring Surface Runoff from Sugarcane fields, Pasturelands, and Rural Residential areas in Vermillion-Teche River Basin, Louisiana (Poster)*.

2001

1. 9th National Nonpoint Source Monitoring Workshop. Hyatt Regency, Indianapolis, Indiana. August 27-30, 2001. *Poudel, D.D., Water quality monitoring in Vermilion-Tech river basin in Louisiana, LA (Poster)*.
2. Organic Farming Practices workshop, August 7, 2001, UL Lafayette, LA. *Poudel, D.D., Comparing productivity and long-term sustainability among conventional, low-input, and organic farming systems in California's Sacramento valley (Oral)*.

3. Plaquemine Brule Water Quality Monitoring Summit organized by LDEQ and UL Lafayette, National Wetlands Research Center, Lafayette. July 17-18, 2001. Poudel, D.D., Analysis of historical water quality data and selection of future water quality *monitoring sites for Bayou Plaquemine Brule watershed (Oral)*.
4. Root Control Barrier Workshop. Bob's Tree Preservation, Inc., Church Point, LA, USA. March 13, 2001.
5. Sustainable Urban Landscape Conference organized by Plant Health Care Inc. in UL Lafayette. February 23, 2001.
6. Louisiana Water Summit, Lod Cook Alumni Center-LSU. February 12, 2001.

2000

1. Louisiana Coastal Wetlands Workshop- Lower River at West Pointe a la Hache, LA. Oct. 28, 2000.
2. 7th ISHS International Symposium on the Processing Tomato. June 10-13, 2000. Sacramento, California, USA. VII ISHS Symposium on the Processing Tomato Program. *Poudel, D.D., W.R. Horwath, J. P. Mitchell, and S.R. Temple. 2000. Impacts of farming systems on soil mineral nitrogen levels of irrigated processing tomatoes (Oral)*.
3. Annual Processing Tomato Meeting, 2000 Fresno County, West Side Field Station and Extension Center, California. January 2000.

1999

ASA, CSSA, and SSSA 1999 International Annual Meetings, Salt Lake City, Utah. October 31- November 4, Poudel, D.D., W.R. Horwath, S.R. Temple, W.T. Lanini, and A.H.C. van Bruggen, Using plant tissue nitrogen as an indicator of crop yield and soil nitrogen availability in organic, low-input, and conventional farming systems (Oral).

1994

AVRDC staff, 1994. *Poudel, D.D., Geographic Information Systems (GIS) in vegetable research- present and future prospects. Asian Vegetable Research and Development Center, Taiwan. August 1994 (Oral)*.

1990

International Workshop on Conservation and Sustainable Development. Asian Institute of Technology, Bangkok, Thailand. 1990.

Professional Society Memberships:

Soil and Water Conservation Society
 Soil Science Society of America
 American Society of Agronomy
 Crop Science Society of America
 Geological Society of America
 American Geophysical Union