Curriculum Vitae

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SUMMARY

- Strong background in agriculture, classical plant pathology, and agriculture extension
- Highly experienced in supervisory role, field trials, and accruing extramural funding
- Extensively trained in molecular biology/virology, detection, and plant disease diagnosis
- Experienced in hemp production and hemp disease diagnosis

EDUCATION

- Ph.D. Plant & Environmental Sciences (Plant pathology) — 2015 — Clemson University, Clemson, SC.
- M.S. Plant Science (Plant Pathology) — 2011 — University of Arkansas, Fayetteville, AR
- B.S. Agriculture Science (Plant Pathology) — 2008 — Tribhuvan University, Chitwan, Nepal

WORK EXPERIENCE

- Plant pathology Program lead: Extension Plant pathologist & Plant Disease Diagnostician — Jan 2019- present, University of Arizona Cooperative Extension-Yuma County
- Postdoctoral research associate — Jan 2017 – Dec 2018. Tropical research and education center (TREC), University of Florida, Homestead, FL
- Graduate research assistant — Aug. 2011 - Dec. 2015. Plant and Environmental Sciences, Clemson University. Clemson, SC
- Graduate research assistant — May 2009 - Aug. 2011. Department of Plant Pathology University of Arkansas. Fayetteville, AR
- Undergraduate researcher — Dec. 2008 - Feb. 2009. Dept. of Plant Pathology Institute of Agriculture & Animal Science. Rampur, Nepal

SYNERGISTIC AND OUTREACH ACTIVITIES

Yuma County Cooperative Extension: 2019-Present

Responsible for running Yuma Plant pathology program on extramural funding. Includes: Yuma Plant Health Clinic(300 + drop offs/year), field diagnosis (100+/year), conducting field trials for fungicide efficacy (approx 200 treatments/year), improving relationship with growers, Pest Control Advisers (PCA), private sectors, conducting field days(5-10/year), workshops, and applied research based on local needs.

- Member: American Phytopathological Society, 2009- present
- Member: University of Arizona Intra-Extension Advisory Council
- Member: Arizona IPM coordinating committee
- Member: University of Arizona vegetable IPM team, author of bi-weekly IPM newsletter
- Member: University of Arizona Agronomic Crop IPM Leadership team
- Member: Arizona Western College Agriculture Science Department Advisary Committee

- Member: Yuma Union High School District Agriculture Science Advisary Committee
- Reviewer: California Citrus Research Board; 2019-Present
- Reviewer: California Melon Research Board; 2019-Present
- Reviewer: University of Arizona Extension Publications; 2019- present
- Reviewer: Plant Disease journal; American Phytopathological Society; 2011 to present
- Reviewer: Plant Health Progress journal; American Phytopathological Society; 2017 to present
- Reviewer: American Phytopathological Society Student Travel Awards, 2017 to present
- Reviewer: Pakistan Journal of Zoology; 2018 to present
- Reviewer: Crop Protection Journal 2019 to present.
- Guest lecture: Integrated Pest Management at Florida International University, Fall 2017- present

PEER-REVIEWED PUBLICATIONS

1. **Poudel, B**., A, Osama., Liu, Q., Wang, Q., McAvoy, E., Seal, D., Ling, K., Mcgrath, M., & Zhang, S. Development, incidence and distribution of a disease caused by tomato chlorotic spot orthotospovirus, an emerging orthotospovirus threatening the tomato production in south Florida. Trop Plant Path. https://doi.org/10.1007/s40858-019-00305-z
2. **Poudel, B**., Velázquez-del Valle, M.G., Hernández- Lauzardo, A.N. & Zhang, S. First report of Alternaria tomato causing leafspot in sunflower in Mexico. Plant Dis. 103-1029
3. **Poudel, B.** & Zhang, S. First report of Erysiphe fallax infecting phasey beans (Macropthylium lathyroides) in United States. Plant Health Progress. https://doi.org/10.1094/PHP-11-18-0071-BR
4. Gazis, R., **Poudel B**., Dey, K., Zhang, S., Campoverde, E.B., Baker, C.A. & Adkins, S. 2018. First report of *Cactus Virus X* in *Hylocereus* sp. (dragon fruit) in Florida. Plant Dis.102-2666
5. **Poudel, B.** & Zhang, S. 2018. First report of Alternaria leaf spot on cilantro (*Coriandrum sativum*) caused by *Alternaria dauci* in the United States. Plant Dis. 102:822
6. Poudel B., Huang, Y., and Zhang, S. 2018. First report of Tomato chlorotic spot virus infecting common beans (Phaseolus vulgaris) in United States. Plant Dis:102-1467
7. **Poudel B**., Rollin, P., Bishop, D.T. & Scott S.W. Incidence of viruses in two large-scale plantings of blackberry in South Carolina as detected through the use of sentinel plants and RT-PCR. 2018. Plant Health Progress(https://doi.org/10.1094/PHP-12-17-0074-RS)
8. Velázquez-del Valle, M.G., **Poudel, B**. & Zhang S. 2017 First report of Curvularia blight on sunflower caused by *Curvularia aria* in Mexico. Plant Dis. 101-1955
9. **Poudel, B** & Scott, S.W. 2017. A report of Cherry rusty mottle-associated virus in South Carolina. Australasian Plant Dis Notes.12:15.
10. **Poudel, B**., Ho, T., Laney, A.G., Khadgi. A. and Tzanetakis, I.E. 2014. Epidemiology of Blackberry chlorotic ringspot virus. Plant Dis. 98: 547-550
11. **Poudel, B**. Ho, T., Khadgi, A. and Tzanetakis, I.E. 2013. Epidemiology of Blackberry yellow vein associated virus. Plant Dis. 97: 1352-1357
12. Martin, R.R., MacFarlane, S., Sabanadzovic, S., Quito, D., **Poudel, B**. and Tzanetakis I.E. 2013. Viruses and virus diseases of *Rubus*. Feature Article. Plant Dis 97:168–182
13. **Poudel, B.** and Tzanetakis, I.E. 2013. Population structure of Blackberry chlorotic ringspot virus in United States. Arch. Virol. 158: 667-672
14. **Poudel, B**., Sabanadzovic, S., Bujarski, J. and Tzanetakis, I.E. 2012. Population structure of *Blackberry yellow vein associated virus*, an emerging *Crinivirus*. Virus Res.169: 272– 275
15. Tzanetakis, I.E., Wintermantel, W.M., **Poudel, B.** and Zhou, J. 2011. Diodia vein chlorosis virus is a group-1 Crinivirus. Arch. Virol. 156: 2033-2037
16. **Poudel**, B, Laney, A.G. and Tzanetakis, I.E. 2010. First report of *Cucumber mosaic virus* infecting *Blephilia hirsuta* in North America. Plant Dis. 94:1070