

Curriculum Vitae
HSIAO-HSUAN (ROSE) WANG

Department of Ecology and Conservation Biology
Texas A&M University, College Station, TX 77843-2258
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EDUCATION

Ph.D., Department of Ecosystem Science and Management, Texas A&M University, College Station, TX, USA. 2009. Dissertation title: Occupation, dispersal, and economic impact of major invasive plant species in southern U.S. forests. Advisor: Dr. Jianbang Gan.

M.S., Department of Forestry, National Taiwan University, Taipei, Taiwan. 2004. Thesis title: The application of the theory of reasoned action to fire use behavior of farmers in Wu-Lin area. Advisors: Dr. Chyi-Rong Chiou and Dr. Chau-Chin Lin.

B.S., Department of Forestry, National Taiwan University, Taipei, Taiwan. 2002.

ACADEMIC APPOINTMENTS

- 2020 – Present Senior Research Scientist, Ecological Systems Laboratory, Department of Ecology and Conservation Biology, Texas A&M University. Supervisor: Dr. William E. Grant.
- 2015 – Present Associate Member of Graduate Faculty, Department of Wildlife and Fisheries Sciences, Texas A&M University.
- 2012 – Present Adjunct Doctoral Faculty, Department of Biology, Texas State University.
- 2018 – 2019 Senior Research Scientist, Ecological Systems Laboratory, Department of Wildlife and Fisheries Sciences, Texas A&M University. Supervisor: Dr. William E. Grant.
- 2016 – 2018 Research Scientist, Ecological Systems Laboratory, Department of Wildlife and Fisheries Sciences, Texas A&M University. Supervisor: Dr. William E. Grant.
- 2014 – 2016 Assistant Research Scientist, Ecological Systems Laboratory, Department of Wildlife and Fisheries Sciences, Texas A&M University. Supervisor: Dr. William E. Grant.
- 2010 – 2014 Post-doctoral Research Associate, Ecological Systems Laboratory, Department of Wildlife and Fisheries Sciences, Texas A&M University. Supervisor: Dr. William E. Grant.
- 2006 – 2009 Graduate Research Assistant, Department of Ecosystem Science and Management, Texas A&M University. Supervisor: Dr. Jianbang Gan.
- Spring 2008 Graduate Teaching Assistant, Department of Ecosystem Science and Management, Texas A&M University. Supervisor: Dr. Robert Knight.
- 2004 – 2006 Research Assistant, School of Forestry and Resource Conservation, National Taiwan University. Supervisor: Dr. Chyi-Rong Chiou.
- 2002 – 2004 Graduate Teaching Assistant, School of Forestry and Resource Conservation, National Taiwan University. Supervisor: Dr. Shao-Shun Ying.

PROFESSIONAL SERVICE

- Associate Editor, *Biological Invasions* (Springer). Jul. 2016 – Present.
- Associate Editor, *Ecological Modelling* (Elsevier). Apr. 2018 – Present.
- Associate Editor, *Plant Ecology* (Springer). Jul. 2019 – Present.

Principal Investigator, workshop organizer, Simultaneously managing scale and uncertainty using innovative software design concepts in a tiered, system-of-systems modeling framework. The National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD. 2019 – Present.

Seminar committee, Department of Wildlife and Fisheries Sciences, Texas A&M University. Aug. 2016 – 2019.

Symposium Chair, Modelling integrated ecological (physical-ecological-social) systems: Challenges of establishing linkages to and from ecological components. The International Society for Ecological Modelling Global Conference 2019. Salzburg, Austria.

Editor, Editor Speed Review Sessions. The International Society for Ecological Modelling Global Conference 2019. Salzburg, Austria.

Abstract Review Committee, International Biogeography Society (IBS) Meeting 2019, Quito, Ecuador.

Subject Editor (Theoretical Models and Mathematical Models), *Ecological Modelling*. Jul. 2015 – Mar. 2018.

Guest Editor (Special Issue), *Ecological Modelling*. 2016 – 2017.

Scientific Advisory Board, International Society for Ecological Modelling Global Conference 2016, Towson, MD, USA.

Symposium Chair, Modeling ecological dynamics in temporally variable, spatially heterogeneous environments. The International Society for Ecological Modelling Global Conference 2016, Towson, MD, USA.

Editor Board, *Ecological Modelling*. Oct. 2013 – Jun. 2015.

Journal reviews: *Biodiversity and Conservation*, *Ecological Complexity*, *Ecological Modelling*, *Forest Ecology and Management*, *Forests*, *International Journal of Environmental Research and Public Health*, *Invasive Plant Science and Management*, *Journal of Medical Entomology*, *Plant Ecology*, *PLoS ONE*, *Rangeland Ecology & Management*, *Science of the Total Environment*, and *Sustainability*.

BOOK

1. **Wang, H.-H.** and W. E. Grant. In press. *Ecological Modeling: An Introduction to the Art and Science of Modeling Ecological Systems*. Elsevier. Philadelphia, PA. Paperback ISBN: 9780444641632, eBook ISBN: 9780444641649

BOOK CHAPTERS

1. **Wang, H.-H.** and W. E. Grant. In press. Chapter 21. *Simulation Modeling in Wildlife Management*. N. Silvy (eds.), *The Wildlife Techniques Manual*. Volume 1: Research. Volume 2: Management. 8 th ed. John Hopkins University Press. Baltimore, MD.

PEER-REVIEWED PUBLICATIONS

(*undergraduate students, †graduate students, ‡co-lead authors)

53. Baker, A.*, **H.-H. Wang**, M. Mogg*, Z. Derouen*, J. Borski*, and W. E. Grant. In press. Increasing incidence of Anaplasmosis in the United States, 2012 through 2016
52. **Wang, H.-H.**, W. E. Grant, R. Teague. 2020. Modeling rangelands as spatially-explicit complex adaptive systems. *Journal of Environmental Management* 269, DOI: 10.1016/j.jenvman.2020.110762
51. Mogg, M.*, **H.-H. Wang**, A. Baker*, Z. Derouen*, J. Borski*, and W. E. Grant. 2020. Increased incidence of Ehrlichia chaffeensis infections in the United States, 2012 through 2016.

- Vector-Borne and Zoonotic Diseases, DOI: 10.1089/vbz.2019.2595.
50. Poché, D. M. **H.-H. Wang**, and W. E. Grant. 2020. Visceral leishmaniasis on the Indian Subcontinent: efficacy of fipronil-based cattle treatment in controlling sand fly populations is dependent on specific aspects of sand fly ecology. *PLOS Neglected Tropical Diseases* 14 (2), DOI: 10.1371/journal.pntd.0008011.
 49. Koralewski, T. E., **H.-H. Wang**, W. E. Grant, M. J. Brewer, N. C. Elliott, J. K. Westbrook, A. Szczepanec, A. Knutson, K. L. Giles, and J.P. Michaud. 2020. Integrating models of atmospheric dispersion and crop-pest dynamics: Linking detection of local aphid infestations to forecasts of region-wide invasion of cereal crops. *Annals of the Entomological Society of America* 113:79-87. DOI: 10.1093/aesa/saz047.
 48. French, J., **H.-H. Wang**, W. E. Grant, and J. Tomecek. 2019. Dynamics of animal joint space use: A novel application of a time series approach. *Movement Ecology* 7:38. DOI: 10.1186/s40462-019-0183-3.
 47. Banerjee, P., **H.-H. Wang**, M. J. Peterson, W. E. Grant, and T. R. Peterson. 2019. Collaborative modeling and social learning in the context of Joint Forest Management in East Sikkim, India. *Frontiers in Environmental Science* 7: 154. DOI: 10.3389/fenvs.2019.00154.
 46. Fern, R. R.[†], M. L. Morrison, **H.-H. Wang**, W. E. Grant, and T. A. Campbell. 2019. Incorporating biotic relationships improves species distribution models: Modeling the temporal influence of competition in conspecific nesting birds. *Ecological Modelling* 408: 108743. DOI: 10.1016/j.ecolmodel.2019.108743.
 45. Koralewski, T. E., J. K. Westbrook, W. E. Grant, and **H.-H. Wang**. 2019. Coupling general physical environmental process models with specific question-driven ecological simulation models. *Ecological Modelling* 405: 102-105. DOI: 10.1016/j.ecolmodel.2019.02.004.
 44. Twidwell, D., C. L. Wonkka, **H.-H. Wang**, W. E. Grant, C. R. Allen, S. D. Fuhlendorf, A. Garmestani, D. Angeler, C. A. Taylor, U. P. Kreuter, W. E. Rogers. 2019. Coerced resilience in grassland fire management. *Journal of Environmental Management* 240: 368-373. DOI: 10.1016/j.jenvman.2019.02.
 43. **Wang, H.-H.**, W. E. Grant, N. C. Elliott, M. J. Brewer, T. E. Koralewski, J. K. Westbrook, T. M. Alves, and G. A. Sword. 2019. Integrated modelling of the life cycle and aeroecology of wind-borne pests in temporally-variable spatially-heterogeneous environment. *Ecological Modelling* 399: 23-38. DOI: 10.1016/j.ecolmodel.2019.02.014.
 42. **Wang, H.-H.**, P. D. Teel, W. E. Grant, F. Soltero, J. Urdaz, J. E. P. Ramírez, R. J. Miller, and A. A. Pérez de León. 2019. Simulation tools for assessment of tick suppression treatments of *Rhipicephalus (Boophilus) microplus* on non-lactating dairy cattle in Puerto Rico. *Parasites & Vectors*. 12, 185. DOI: 10.1186/s13071-019-3443-6.
 41. **Wang, H.-H.**, A. Richardson*, J.-D. Zhu, A. G. Birt, and W. E. Grant. 2019. Correction for “Interactive effects of prey and p, p’-DDE on burrowing owl population dynamics.” *Ecological Applications* 29(2): e01840. DOI: 10.1002/eap.1840.
 40. Smith, A. D., W. Godsoe, F. Rodríguez-Sánchez, **H.-H. Wang**, and D. Warren. 2019. Niche estimation above and below the species level. *Trends in Ecology and Evolution* 34(3): 260-273. DOI: 10.1016/j.tree.2018.10.012. (F1000Prime recommended)
 39. **Wang, H.-H.**[‡], C. L. Wonkka[‡], W. E. Grant, and W. E. Rogers. 2019. Incorporating local-scale variables into distribution models enhances predictability for rare plant species with biological dependencies. *Biodiversity and Conservation* 28(1): 171-182. DOI: 10.1007/s10531-018-1645-4.

38. Kocmoud, A. R.[†], **H.-H. Wang**, W. E. Grant, and B. J. Gallaway. 2019. Population dynamics of the endangered Kemp's ridley sea turtle following the 2010 oil spill in the Gulf of Mexico: Simulation of potential cause-effect relationships. *Ecological Modelling* 392: 159-178. DOI: 10.1016/j.ecolmodel.2018.11.014.
37. Meierhofer, M. B.[†], **H.-H. Wang**, W. E. Grant, J. H. Young, L. H. Johnston, L. K. Wolf, J. W. Evans, B. Pierce, J. M. Szewczak, and M. L. Morrison. 2018. Use of box beam bridges as day roosts by Mexican free-tailed bats (*Tadarida brasiliensis*) in Texas. *Southeast Naturalists* 17(4): 605-615.
36. **Wang, H.-H.**, M. Taffi, C. Chion, B. Rashleigh, T. Klanjšček, L. Harris, P. Goethals, and B. Fath. 2018. Special Issue: Ecological Modelling Global Conference 2016: 20th Biennial ISEM Conference, 8 - 12 May 2016, Towson, Maryland, USA. *Ecological Modelling* 383: 1-2.
35. Culpepper, L. Z.*[†], **H.-H. Wang**, T. E. Koralewski, W. E. Grant, and W. E. Rogers. 2018. Understory upheaval: Factors influencing Japanese stiltgrass invasion in forestlands of Tennessee, United States. *Botanical Studies* 59:20. DOI: 10.1186/s40529-018-0236-8.
34. Kalinda, C., M. J. Chimbari, W. E. Grant, **H.-H. Wang**, J. N. Odhiambo, and S. Mukaratirwa. 2018. Simulation of population dynamics of *Bulinus globosus*: Effects of environmental temperature on production of *Schistosoma haematobium cercariae*. *PLoS Neglected Tropical Diseases* 12(8): e0006651. DOI: 10.1371/journal.pntd.0006651.
33. **Wang, H.-H.**[†], M. S. Corson[†], W. E. Grant, and P. D. Teel. 2017. Quantitative models of *Rhipicephalus (Boophilus)* ticks: historical review and synthesis. *Ecosphere* 8 (9), e01942. DOI: 10.1002/ecs2.1942.
32. Villamizar-Gomez, A.[†], M. R. J. Forstner, T. Suriyamongkol*, K. N. Forks*, W. E. Grant, **H.-H. Wang**, and Ivana Mali. 2016. Prevalence of *Batrachochytrium dendrobatidis* in two sympatric tree frog species, *Hyla cinerea* and *Hyla versicolor*. *Herpetological Review* 47(4): 601-605.
31. **Wang, H.-H.**, P. D. Teel, W. E. Grant, G. Schuster and A. A. Pérez de León. 2016. Simulated interactions of white-tailed deer (*Odocoileus virginianus*), climate variation and habitat heterogeneity on southern cattle tick (*Rhipicephalus (Boophilus) microplus*) eradication methods in south Texas, USA. *Ecological Modelling* 342: 82-96. DOI: 10.1016/j.ecolmodel.2016.10.
30. Suriyamongkol, T.*[†], E. McGrew*, L. Culpepper*, K. Beck*, **H.-H. Wang**, and W. E. Grant. 2016. Recent range expansions by the most prevalent invasive tree, Chinese tallow (*Triadica sebifera* (L.) Small), in the forestlands of eastern Texas. *Southeastern Naturalist* 15(9): 68-75.
29. Arevilca, A.*[†], L. Elissetche*, M. Scanlin*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. 2016. Rapidly increasing of eastern Texas forestlands by the most prevalent invasive shrubs: Chinese and European privets. *Southeastern Naturalist* 15(9): 61-67.
28. Poche, D. M.^{††}, W. E. Grant[†], and **H.-H. Wang**[†]. 2016. Visceral leishmaniasis on the Indian subcontinent: Modelling the dynamic relationship between vector control schemes and vector life cycles. *PLOS Neglected Tropical Diseases* 10(8): e0004868. DOI: 10.1371/journal.pntd.0004.
27. Fairs, A., **H.-H. Wang**, A. Tarone, and W. E. Grant. 2016. Forensic entomology: Evaluating uncertainty associated with postmortem interval (PMI) estimates with ecological models. *Journal of Medical Entomology* 53(5): 1117-1130. DOI: 10.1093/jme/tjw070.
26. Leo, J., T. J. Minello, W. E. Grant, and **H.-H. Wang**. 2016. Simulating environmental effects on brown shrimp production in the northern Gulf of Mexico. *Ecological Modelling* 330:

- 77-86. DOI: 10.1016/j.ecolmodel.2016.02.
25. **Wang, H.-H.**[‡], C. L. Wonkka[‡], W. E. Grant, and W. E. Rogers. 2016. Range expansion of invasive shrubs: implication for crown fire risk in forestlands of the southern United States. *AoB PLANTS* 8: plw012. DOI: 10.1093/aobpla/plw012.
 24. **Wang, H.-H.**, W. E. Grant, P. D. Teel, S. A. Hamer. 2016. Tick-borne infectious agents in nature: simulated effects of changes in host density on spatial-temporal prevalence of infected ticks. *Ecological Modelling* 323: 77-86. DOI: 10.1016/j.ecolmodel.2015.11.0.
 23. Chiou, C.-R., Y.-J. Chen, **H.-H. Wang**, and W. E. Grant. 2016. Predicted range expansion of the invasive plant *Leucaena leucocephala* in the Hengchun peninsula, Taiwan. *Biological Invasions* 18(2): 381-394. DOI: 10.1007/s10530-015-1010-4.
 22. **Wang, H.-H.**, W. E. Grant, P. D. Teel, and S. A. Hamer. 2015. Simulation of climate-tick-host-landscape interactions: Effects of shifts in the seasonality of host population fluctuations on tick densities. *Journal of Vector Ecology* 40(2): 247-255. DOI: 10.1111/jvec.12161.
 21. **Wang, H.-H.**, T. E. Koralewski, E. K. McGrew*, W. E. Grant, T. D. Byram. 2015. Species distribution model for management of an invasive vine in forestlands of eastern Texas. *Forests* 6: 4374-4390. DOI: 10.3390/f6124374.
 20. Mali, I.[†], **H.-H. Wang**, W. E. Grant, M. Feldman, M. R. J. Forstner. 2015. Modeling commercial freshwater turtle production on US farms for pet and meat markets. *PLoS ONE* 10(9): e0139053. DOI: 10.1371/journal.pone.0139053.
 19. Randklev, C. R., **H.-H. Wang**, J. E. Groce, W. E. Grant, S. Robertson, and N. Wilkins. 2015. The influence of land use on a rare freshwater mussel (family: unionidae), *Quadrula houstonensis* in the Leon river, Texas. *Journal of Fish and Wildlife Management* 6(2): 327-337. DOI: 10.3996/012015-JFWM-003.
 18. Koralewski, T. E., **H.-H. Wang**, W. E. Grant and T. D. Byram. 2015. Plants on the move: Assisted migration of forest trees in the face of climate change. *Forest Ecology and Management* 344: 30-37.
 17. **Wang, H.-H.**[‡], C. L. Wonkka[‡], M. L. Treglia, W. E. Grant, F. E. Smeins, and W. E. Rogers. 2015. Species distribution modeling for conservation of an endangered endemic orchid, *Spiranthes parksii* (Correll). *AoB PLANTS* (2015): plv039. DOI: 10.1093/aobpla/plv039.
 16. Teague, W. R., W. E. Grant and **H.-H. Wang**. 2015. Assessing optimal configurations of multi-paddock grazing strategies in tallgrass prairie using a simulation model. *Journal of Environmental Management* 150: 262-273.
 15. **Wang, H.-H.** and W. E. Grant. 2014. Invasion of eastern Texas forestlands by Chinese privet: efficacy of alternative management strategies. *Diversity* 6 (4): 652-664.
 14. **Wang, H.-H.**, J. L. Buchhorn* and W. E. Grant. 2014. Effects of management on range expansion by Chinese tallow in the forestlands of eastern Texas. *Journal of Forestry* 112(4): 346-353.
 13. Chiou, C.-R., **H.-H. Wang**, Y.-J. Chen, W. E. Grant, and M.-L. Lu. 2013. Modeling potential range expansion of the invasive shrub *Leucaena leucocephala* in the Hengchun peninsula, Taiwan. *Invasive Plant Science and Management* 6(4): 492-501.
 12. **Wang, H.-H.**, N. Y. Kung, W. E. Grant, J. C. Scanlan, and H. E. Field. 2013. Recrudescence infection supports Hendra virus persistence in Australian flying-fox populations. *PLoS ONE* 8(11): e80430. DOI: 10.1371/journal.pone.0080430.
 11. Mora, M. A., W. E. Grant, L. Wilkins, and **H.-H. Wang**. 2013. Simulated effects of reduced spring flow from the Edwards aquifer on population size of the fountain darter

- (*Etheostoma fonticola*). *Ecological Modelling* 250: 235-243.
10. **Wang, H.-H.** and W. E. Grant. 2012. Determinants of Chinese and European privet invasion and likelihood of further invasion in southern US forestlands. *Invasive Plant Science and Management* 5(4): 454-463.
 9. **Wang, H.-H.**, C. L. Wonkka, W. E. Grant, and W. E. Rogers. 2012. Potential range expansion of Japanese honeysuckle (*Lonicera japonica* Thunb.) in southern U.S. forestlands. *Forests* 3(3): 573-590.
 8. **Wang, H.-H.**, W. E. Grant, and P. D. Teel. 2012. Simulation of climate-host-parasite-landscape interactions: a spatially-explicit model for ticks (Acari: Ixodidae). *Ecological Modelling* 243: 42-62.
 7. **Wang, H.-H.**, W. E. Grant, J. Gan, W. E. Rogers, T. M. Swannack, T. E. Koralewski, J. H. Miller and J. W. Taylor. 2012. Integrating spread dynamics and economics of timber production to manage Chinese tallow invasions in southern U.S. forestlands. *PLoS ONE* 7(3): e33877. DOI: 10.1371/journal.pone.0033877.
 6. Gil-Weir, K. C., W. E. Grant, R. D. Slack, **H.-H. Wang**, and M. Fujiwara. 2012. Demography and population trends of Whooping Cranes. *J of Field Ornithology* 83(1): 1-10.
 5. **Wang, H.-H.**, W. E. Grant, T. M. Swannack, J. Gan, W. E. Rogers, T. E. Koralewski, J. H. Miller, and J. W. J. Taylor. 2011. Predicted range expansion of Chinese tallow tree (*Triadica sebifera*) in forestlands of the southern United States. *Diversity and Distributions* 17: 552-565.
 4. Gan, J., J. H. Miller, **H.-H. Wang**, and J. W. Taylor, Jr. 2009. Invasion of Tallowtree into Southern U.S. forests: influencing factors and implications for mitigation. *Canadian Journal of Forest Research* 39: 1346-1356.
 3. Chiou, C.-R., C. Lin, and **H.-H. Wang**. 2006. Investigation for fire use behavior of residences in Wu-Lin area (In Chinese with English abstract). *Quarterly Journal of Chinese Forestry* 39(1): 29-41.
 2. Chiou, C.-R., H. Lin, and **H.-H. Wang**. 2005. A study of visitors' satisfaction in Lin-Mei Stone Trail during summer vacation (In Chinese with English abstract). *Journal of the Experimental Forest of National Taiwan University* 19(4): 281-291.
 1. Chiou, C.-R. and **H.-H. Wang**. 2005. The application of knowledge management to forestry administration (In Chinese). *Taiwan Forestry Journal* 31(1): 68-80.

PUBLICATIONS CURRENTLY IN REVIEW

1. **Wang, H.-H.**, W. E. Grant, P. D. Teel, Lohmeyer, K. H., and A. A. Pérez de León. Enhanced biosurveillance of high-consequence invasive pests: cattle fever ticks on livestock and wildlife.
2. Fern, R. R.[†], M. L. Morrison, W. E. Grant, **H.-H. Wang**, and T. A. Campbell. Modeling the influence of livestock grazing pressure on grassland bird distributions.
3. Koralewski, T. E., **H.-H. Wang**, W. E. Grant, J. H. LaForest, M. J. Brewer, N. C. Elliott, J. K. Westbrook. Toward near-real-time forecasts of airborne crop pests: Aphid invasions of cereal grains in North America.
4. Pełalski, A. and **H.-H. Wang**. Plant coexistence without asymmetry in competitor-colonizer abilities or spatially heterogeneity in the distribution of resources
5. Iwanaga, T., **H.-H. Wang**, S. Hamilton, V. Grimm, T. E. Koralewski, A. Salado, S. Elsworth, S. Razavi, J. Yang, P. Glynn, J. Badham, A. Voinov, M. Chen, W. E. Grant, T. R. Peterson, K. Frank, G. Shenk, C. M. Barton, T. Jakeman, J. Little. Managing socio-technical issues

associated with scale in socio-environmental modeling: Advancing integrated models to a holistic system of systems

6. W. E. Grant, and **H.-H. Wang**. Reflections on modelling coupled human and natural systems: Two systems ecologists' perspective on embracing uncertainty

TEACHING

Courses

WFSC 291 and WFSC 491 Research. Texas A&M University. Instructor (Undergraduate Research Advisor). Spring 2015 – present.

WFSC 604 Ecological Modeling, Texas A&M University. Co-Instructor. Spring 2010 – present.

REN205 Fundamentals of Ecology, Texas A&M University. Co-Instructor. Spring 2016. Course evaluation: 4.72 / 5.00 with 199 students and 4.68 / 5.00 with 100 students.

REN205 Fundamentals of Ecology, Texas A&M University. Co-Instructor. Spring 2015. Course evaluation: 4.73 / 5.00 with 193 students and 4.71 / 5.00 with 94 students.

REN205 Fundamentals of Ecology, Texas A&M University. Co-Instructor. Fall 2014. Course evaluation: 4.57 / 5.00 with 223 students and 4.59 / 5.00 with 227 students.

Guest Lectures

WFSC403/613 Animal Ecology, Texas A&M University. Interspecific Competition. Mar. 2016.

WFSC 405 Urban Wildlife and Fisheries. Texas A&M University. Vector-borne diseases in urban areas: Dynamic islands in space and time. Feb. 2016

WFSC403/613 Animal Ecology, Texas A&M University. Population growth. Sep. 2014.

WFSC403/613 Animal Ecology, Texas A&M University. Systems approach in ecology. Aug. 2012.

Labs

RLEM 301 Range and Forest Watershed Management Lab, Texas A&M University. Teaching Assistant. Spring 2008. Course evaluation: 4.33 / 5.00 and 4.54 / 5.00.

Plant Taxonomy Lab, School of Forestry and Resource Conservation, National Taiwan University. Teaching Assistant. Spring 2003 – 2004.

Dendrology Lab, School of Forestry and Resource Conservation, National Taiwan University. Teaching Assistant. Fall 2002 – 2003.

MENTORING

Co-Chair

Amanda Kocmoud, Department of Wildlife and Fisheries Sciences, Texas A&M University, August 2018. Thesis title: "Kemp's ridley sea turtle population dynamics in the Gulf of Mexico: Evaluation of post-2010 trends and hypotheses using an age-structured simulation model." M.S.

Committee Member

Blake Elkins, Department of Entomology, Texas A&M University (Ph.D. student, in progress).

Simon Kiacz, Department of Wildlife and Fisheries Sciences, Texas A&M University (Ph.D. student, in progress).

Melissa Meierhofer, Department of Wildlife and Fisheries Sciences, Texas A&M University (Ph.D. candidate, in progress).

Andrea Villamizar Gomez, Department of Biology, Texas State University, Dec. 2019. Dissertation title: "Prevalence and geographic patterns of *Batrachochytrium dendrobatidis* in Texas" Ph.D.

Lauren Beebe, Department of Entomology, Texas A&M University, Dec. 2019. Thesis title: "Thermal tolerance of the larvae of two forensically important blow fly species, *Chrysomya*

- rufifacies* (Macquart) and *Cochliomyia macellaria* (Fabricius) (Diptera: Calliphoridae)." M.S. Rachel Fern, Department of Wildlife and Fisheries Sciences, Texas A&M University, Dec. 2018. Dissertation title: "Improving avian species distribution models by incorporating biotic interactions." Ph.D.
- Megna Murali, Department of Ecosystem Science and Management, Texas A&M University, May 2018. Thesis title: "A spatial analysis of the historic progression of the Memorial Park in Houston, Texas." M.S.
- Thomas Huff, Department of Ecosystem Science and Management, Texas A&M University, August 2017, Dissertation title: "Salt marsh hydrology and restoration." Ph.D.
- David Poche, Department of Wildlife and Fisheries Sciences, Texas A&M University, December 2015. Thesis title: "Phlebotomine Sand Fly Control: Predicting the impact of alternative sand fly control methods, using simulation modelling, on the population dynamics of *Phlebotomus argentipes* (Diptera: Psychodidae) in Bihar, India." M.S.
- Ivana Mali, Department of Biology, Texas State University, December 2014. Dissertation title: "Freshwater turtles as a renewable resource: Using the red-eared slider (*Trachemys scripta elegans*) as a model species." Ph.D.

Undergraduate Research Scholars (Theses) Advisor

- Alexandra Bishop, Department of Biology, Texas A&M University. 2019 – 2020 undergraduate thesis title: "In search of the proximate factors triggering anthrax epidemics: Simulation of plasmid transfer and persistence in *Bacillus* communities outside of the host."
- Adam Baker. College of Veterinary Medicine and Biomedical Sciences, Texas A&M University. 2018 - 2019 undergraduate thesis title: "Using climate factors to explain the increasing incidence of *Anaplasma phagocytophilum* in Minnesota and Wisconsin from 2000 to 2016."
- Zakary Derouen and Miranda Peterson. Department of Ecosystem Science and Management and Department of Geography, Texas A&M University. 2018 - 2019 undergraduate thesis title: "The recent expansion of invasive *Tubastraea coccinea* throughout the Gulf of Mexico and its relation to oil and gas platforms."
- Katherine Carbajal, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2017 - 2018 undergraduate thesis title: "Estimation of anthropogenic and catastrophic effects of Florida manatee (*Trichechus manatus latirostris*)."
- Madeline Jones, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2017 - 2018 undergraduate thesis title: "Estimation of Deepwater Horizon oil spill effects on population dynamics of the loggerhead sea turtle (*Caretta caretta*)."
- Annie Montgomery, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2017 - 2018 undergraduate thesis title: "Evaluation of morbillivirus exposure to bottlenose dolphins (*Tursiops truncatus*) following the Deepwater Horizon oil spill."
- Jennifer Borski, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2016 – 2017 undergraduate thesis title: "Evaluating potential effects of Antarctic ice-shelf retreat on blue whale (*Balaenoptera musculus*) populations: A simulation model of interactions among sea ice, Antarctic krill (*Euphausia superba*), and blue whales."
- Paola Camposeco, Jasmin Diaz, and Marissa Ortega, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2016 – 2017 undergraduate thesis title: "Simulated effects of Indo-Pacific lionfish (*Pterois volitans* and *P. miles*) invasions on parrotfish (Scaridae family) populations on coral reefs in the Caribbean."
- Lela Culpepper, Department of Ecosystem Science and Management, Texas A&M University. 2016 – 2017 undergraduate thesis title: "Recent range expansions by Nepalese browntop

(*Microstegium vimineum* (Trin.) A. Camus) in the forestlands of Tennessee.”

Hannah Gerke, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2016 – 2017 undergraduate thesis title: “A top predator returns: Effects of the eastern Indigo snake (*Drymarchon Couperi*) on herpetological communities in southern Alabama.”

Andrew Richardson, Zachry Department of Civil Engineering, Texas A&M University. 2016 – 2017 undergraduate thesis title: “Evaluating the Effect of Copper Containments upon Fountain Darter (*Etheostoma fonticola*) Population.”

Rebecca Aden, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2015 – 2016 Undergraduate thesis title: “Simulated effects of sex-ratio disparity on population dynamics of the endangered Houston toad (*Bufo houstonensis*).”

Aminta Arevilca, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2015 – 2016 Undergraduate thesis title: “Effects of gillnet entanglement on mortality of dusky dolphins (*Lagenorhynchus obscurus*).”

Anna Cole, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2015 – 2016 Undergraduate thesis title: “Effects of genetic depletion on estimating risk of extinction of the endangered Florida panther (*Puma concolor coryi*).”

Kaitlyn Forks, Department of Wildlife and Fisheries Sciences, Texas A&M University. 2015 – 2016 Undergraduate thesis title: “Use of PVC pipes of different diameters as artificial refuges by green tree frogs (*Hyla cinerea*) in Texas.”

Thanchira Suriyamongkol, Department of Wildlife and Fisheries Sciences, Texas A&M 2015 – 2016 University. Undergraduate thesis title: “Effects of burning on relative abundances and morphological characteristics of green tree frog (*Hyla cinerea*) in Texas.”

Undergraduate Research Advisor

Undergraduate Research, Spring 2020. Two undergraduate students: Alexandra Bishop (BIOL) and Zakary Derouen (ESSM).

Undergraduate Research, Fall 2019. Three undergraduate students: Alexandra Bishop (BIOL), Zakary Derouen (ESSM), and Miranda Peterson (ENST).

Undergraduate Research, Summer 2019. Two undergraduate students: Zakary Derouen (ESSM) and Miranda Peterson (ENST).

Undergraduate Research, Spring 2019. Five undergraduate students: Adam Baker (BIMS), Alexandra Bishop (BIOL), Zakary Derouen (ESSM), Avery Michalk (BIMS), and Miranda Peterson (ENST).

Undergraduate Research, Fall 2018. Nine undergraduate students: Adam Baker (BIMS), Alexandra Bishop (BIOL), Jennifer Borski (WFSC), Zakary Derouen (ESSM), Samantha Heldman (BIOL), Avery Michalk (BIMS), Michael Mogg (BUAD), Annie Montgomery (WFSC), and Miranda Peterson (ENST).

Undergraduate Research, Summer 2018. Eight undergraduate students: Adam Baker (BIMS), Jennifer Borski (WFSC), Audrey Carlos (WFSC), Zakary Derouen (ESSM), Shelby Lukose (BIMS), Avery Michalk (BIMS), Michael Mogg (BUAD), and Christopher Vazquez (ZOOL).

Undergraduate Research, Spring 2018. Eleven undergraduate students: Alexandra Bishop (BIOL), Jennifer Borski (WFSC), Katherine Carbajal (WFSC), Leonila Chilongo (GIST), Zakary Derouen (ECOR), Samantha Heldman (BIOL), Madeline Jones (WFSC), Annie Montgomery (WFSC), Miranda Peterson (ENST), and Christopher Vazquez (ZOOL).

Undergraduate Research, Fall 2017. Eleven undergraduate students: Alexandra Bishop (BIOL), Jennifer Borski (WFSC), Katherine Carbajal (WFSC), Lela Culpepper (ECOR/FORS), Zakary Derouen (ECOR), Samantha Heldman (BIOL), Madeline Jones (WFSC), Annie Montgomery

(WFSC), Miranda Peterson (ENST), and Christopher Vazquez (ZOOL).
 Undergraduate Research, Summer 2017. Three undergraduate students: Katherine Carbajal, Madeline Jones, Annie Montgomery (WFSC).
 Undergraduate Research, Spring 2017. Eleven undergraduate students: Jennifer Borski (WFSC), Maria Camposeco (WFSC), Katherine Carbajal (WFSC), Lela Culpepper (ECOR/FORS), Jasmin Diaz-Lopez (WFSC), Kaitlyn Forks (WFSC), Hannah Gerke (WFSC), Cinnamon Laxton (BESC), Yovana Marinkovic (INTS), Marissa Ortega (WFSC), and Andrew Richardson (CVEN).
 Undergraduate Research, Fall 2016. Fifteen undergraduate students: Rebecca Aden (WFSC), Aminta Arevilca (WFSC), Jennifer Borski (WFSC), Maria Camposeco (WFSC), Katherine Carbajal (WFSC), Anna Cole (WFSC), Lela Culpepper (ECOR/FORS), Jasmin Diaz-Lopez (WFSC), Kaitlyn Forks (WFSC), Hannah Gerke (WFSC), Cinnamon Laxton (BESC), Yovana Marinkovic (INTS), Marissa Ortega (WFSC), Andrew Richardson (CVEN), and Thanchira Suriyamongkol (WFSC).
 Undergraduate Research, Summer 2016. Two undergraduate students: Maria Camposeco (WFSC), Andrew Richardson (CVEN).
 Undergraduate Research, Spring 2016. Fifteen undergraduate students: Rebecca Aden (WFSC), Kelsea Anthony (WFSC), Aminta Arevilca (WFSC), Kacy Beck (BESC), Maria Camposeco (WFSC), Chris Chen (ANSC), Anna Cole (WFSC), Lela Culpepper (ECOR/FORS), Jasmin Diaz-Lopez (WFSC), Kaitlyn Forks (WFSC), Hannah Gerke (WFSC), Samantha Murray (BESC), Brittany Stamps (WFSC), Sara Stephens (WFSC), and Thanchira Suriyamongkol (WFSC).
 Undergraduate Research, Fall 2015. Fifteen undergraduate students: Rebecca Aden (WFSC), Kelsea Anthony (WFSC), Aminta Arevilca (WFSC), Kacy Beck (BESC), Chris Chen (ANSC), Anna Cole (WFSC), Lela Culpepper (ECOR/FORS), Kaitlyn Forks (WFSC), Hannah Gerke (WFSC), Erin McGrew (WFSC), Samantha Murray (BESC), Marissa Ortega (WFSC), Brittany Stamps (WFSC), Sara Stephens (WFSC), and Thanchira Suriyamongkol (WFSC).
 Undergraduate Research, Summer 2015. Five undergraduate students: Aminta Arevilca (WFSC), Kaitlyn Forks (WFSC), Erin McGrew (WFSC), Sara Stephens (WFSC), and Thanchira Suriyamongkol (WFSC).
 Undergraduate Research, Spring 2015. Eight undergraduate students: Aminta Arevilca (WFSC), Kacy Beck (WFSC), Lela Culpepper (ECOR/FORS), Luis Elissetche (BESC), Erin McGrew (WFSC), Michael Scanlin (CVEN), Sara Stephens (WFSC), and Thanchira Suriyamongkol (WFSC).
 Undergraduate Research, Spring 2013 – Fall 2013. One undergraduate student: Jesseca Buchhorn (WFSC).
 NSF UBM (Undergraduate of Biology and Mathematics, National Science Foundation) program, Fall 2010 – Summer 2011. Adam Kley, Department of Mathematics, Texas A&M University.

HONORS AND AWARDS

Outstanding Undergraduate Teacher Award for the academic year 2016– 2017. Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX. Apr. 2017.
 Elsevier Reviewer Recognition from the editors of Forest Ecology and Management. Elsevier, Amsterdam, The Netherlands. Feb. 2014.
 Certificate of Excellence in Reviewing of Ecological Modelling. Elsevier, Amsterdam, The Netherlands. Dec. 2013.
 1st Biennial Outstanding Reviewer Award from the International Society for Ecological Modelling, Toulouse, France. Oct. 2013.
 2nd Place, Poster Competition in Ecology and Conservation, Texas A&M Student Research Week, College Station, TX. Mar. 2009.

1st Place, Poster Competition in Ecology and Conservation, Session Winner, and Environmental Health & Safety Recognition Award, Texas A&M Student Research Week, College Station, TX. Mar. 2008.

Honorable Mention, 2007 North America Taiwanese Engineers' Association (NATEA) Scholarship Program, Dallas Chapter. Nov. 2007.

3rd Place, Poster Competition in Ecology and Conservation, Texas A&M Student Research Week, College Station, TX. Apr. 2007.

1st Place, Poster Competition, Southern Forest Economics Workshop, San Antonio, TX. Mar. 2007. Competitive fellowship (\$1000), Department of Ecosystem Science and Management, Texas A&M University. College Station, TX. Aug. 2006.

3rd Place, Thesis Competition, Chinese Forestry Association Annual Academic Thesis Competition. Ilan, Taiwan. Nov. 2004.

Presidential Awards, National Taiwan University, Taipei, Taiwan. Jan. 2000.

PROFESSIONAL ORGANIZATIONS AND ACTIVITIES

Member, International Society of Environmental Modeling and Software, Jun. 2018 – Present.

Member, Entomology Society of America, Jan. 2018 – Present.

Member, International Biogeography Society, Oct. 2016 – Present.

Member, Invasion Ecology Section, Ecological Society of America, 2016 – Present.

Member, International Society for Ecological Modelling, May 2016 – Present.

Member, Ecological Society of America, Jan. 2011 – Present.

Invited Participant, NIMBioS Investigative Workshop: Species' Range Shifts in a Warming World, University of Tennessee, Knoxville, TN. May 2017.

Completed online course "Introduction to Complexity" with certificate offered by Santa Fe Institute, Santa Fe, NM. Jan. 2014.

Event Coordinator, Graduate Student Organization, Department of Ecosystem Science and Management, Texas A&M University. Jan. 2009 – Dec. 2009.

Group Leader, Graduate Teaching Academy Steering Committee (GTASC), Texas A&M University. Aug. 2008 – May 2009.

Officer, Taiwanese Student Organization, Texas A&M University. Aug. 2008 – May 2009.

Fellow, Graduate Teaching Academy (GTA), Texas A&M University. Aug. 2007 – May 2008.

Fellow, Wakonse South (College Teaching Association), Texas A&M University. Apr. 2008.

Member, Taiwanese Student Organization, Texas A&M University. Aug. 2006 – Dec. 2009.

PRESENTATIONS

Invited Panel

Wang, H.-H. Oct. 2017. Research Cultures and Mentoring Models Panel. Undergraduate Research Expo, Texas A&M University, College Station, TX.

Wang, H.-H. Oct. 2017 and Oct. 2018. Research Networking Panel. Undergraduate Research Expo, Texas A&M University, College Station, TX.

Keynote Speech

Wang, H.-H. Nov. 2018. Research Modeling regional migration and local colonization by airborne insects: Forecasting sugarcane aphid infestation of grain sorghum in the Great Plains. ESA, ESC, and ESBC Joint Annual Meeting (Entomology 2018), Vancouver, British Columbia, Canada.

Invited Presentation

- Wang, H.-H.** Feb. 2020. Death (*Cochliomyia macellaria*), disease (*Phlebotomus argentipes*), quarantine (*Rhipicephalus (Boophilus) microplus*), and bankruptcy (*Melanaphis sacchari*): A systems ecologist's perspective on complex socio-environmental problems involving spineless creatures. Department of Entomology Seminar Series, Texas A&M University, College Station, TX.
- Wonkka, C. L., D. Twidwell, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Operationalizing resilience in law to manage social-ecological feedbacks in rangelands. Ecological Society of America Annual Meeting, New Orleans, LA.
- Wang, H.-H.** Mar. 2018. Complexity of ecological resilience: Quantitative challenges. Department of Ecosystem Science and Management, Texas A&M University, College Station, TX.
- Grant, W. E. and **H.-H. Wang**. Jan. 2018. Sugarcane Aphid Synoptic Modeling. 2018 Sugarcane Aphid Workshop, St. Louis, MO.
- Wang, H.-H.** Feb. 2017. Modeling ecological dynamics in temporally variable, spatially heterogeneous environments: Spatial ecology of invasive plants, native wildlife, and tick-borne disease risk. Department of Entomology Seminar Series, Texas A&M University, College Station, TX.
- Wang, H.-H.** Jan. 2016. Modeling ecological dynamics in temporally variable, spatially heterogeneous environments: Using invasive plants as an example. FOR 587/687 Graduate Seminar, Stephen F. Austin State University, Nacogdoches, TX.
- Wang, H.-H.**, W. E. Grant, and P. D. Teel. Oct. 2010. Vector-borne disease ecology: Dynamic islands in space and time, a basis for cloaking pathogens and emerging epizootics. Quantitative Biology Seminar, Texas A&M University, College Station, TX.
- Wang, H.-H.** May 2010. Systems approach for modeling population dynamics: models and their applications. Quantitative Macroecology Lab, Utah State University, Logan, UT.

Presentations at Scientific Meetings

(*Undergraduate students; †Graduate students)

- Derouen, Z.* , M. Peterson* , **H.-H. Wang**, and W. E. Grant. Nov. 2019. Determinants of *Tubastraea coccinea* invasion and likelihood for further invasion in the northern Gulf of Mexico (poster). The 11th Annual Undergraduate Research Conference at the Interface of Biology and Mathematics. NIMBioS (National Institute for Mathematical and Biological Synthesis), Knoxville, TN.
- Peterson, M.* , Derouen, Z.* , A. Bishop* , S. Heldman* , Y. Marinkovic* , C. Vazquez* , L. Chilongo* , **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Nov. 2019. Plants on the move: The trend of Japanese honeysuckle invasion in southeast United States (poster). The 11th Annual Undergraduate Research Conference at the Interface of Biology and Mathematics. NIMBioS (National Institute for Mathematical and Biological Synthesis), Knoxville, TN.
- Grant, W. E. and **H.-H. Wang**. Oct. 2019. Some reflections on integrated (physical-ecological-social) modelling from the perspective of a (pair of) systems ecologist(s) (oral presentation). The International Society for Ecological Modelling Global Conference 2019. Salzburg, Austria.
- H.-H. Wang** and W. E. Grant. Oct. 2019. Integrating physical, ecological, and social system components in a model representing impacts of wind-borne pests on producers of cereal grain crops in the Great Plains of the USA (oral presentation). The International Society for Ecological Modelling Global Conference 2019. Salzburg, Austria.
- Bishop, A.* , A. Michalk* , J. Borski* , A. Montgomery* , **H.-H. Wang**, W. E. Grant, S. Heldman* , M. Mogg* , Z. Derouen* , P. D. Teel, J. E. Lopez. Oct. 2019. Summarizing the escalation of spotted fever group rickettsioses occurrence in the United States from 2012 to 2016 (poster). 2019

- LAUNCH Undergraduate Research Expo. College Station, TX.
- Derouen, Z.* , M. Peterson* , H.-H. Wang, and W. E. Grant. Oct. 2019. The recent expansion of the invasive orange cup coral throughout the northern Gulf of Mexico (poster). 2019 LAUNCH Undergraduate Research Expo. College Station, TX.
- French, J. T., **H.-H. Wang**, W. E. Grant, J. M. Tomeček, and T. Campbell. Sep. 2019. A novel approach to the analysis of dynamic animal space use interactions with telemetry data (oral presentation). American Fisheries Society & The Wildlife Society 2019 Joint Annual Conference. Reno, NV.
- Donaldson, T., **H.-H. Wang**, W. E. Grant, and P. D. Teel. Jul. 2019. Simulation Model of Host-Transferring Adult Males Ticks (*Dermacentor Variabilis*) (Acari: Ixodidae) in the Transmission of Equine Piroplasmiasis (*Theileria Equi*) (poster). 27th Conference of the World Association for the Advancement of Veterinary Parasitology. Madison, WI.
- Lohmeyer, K. H., **H.-H. Wang**, P. D. Teel, W. E. Grant, and A. A. Pérez de León. Jul. 2019. Modeling cattle-nilgai-deer interactions to assess impact of nilgai on cattle fever tick eradication efforts in the USA (oral presentation). 27th Conference of the World Association for the Advancement of Veterinary Parasitology. Madison, WI.
- H.-H. Wang**, T. E. Koralewski, W. E. Grant, J. K. Westbrook, M. J. Brewer, and N. C. Elliott. May 2019. Modeling regional migration and local colonization by airborne insects: Challenges in scaling (virtual presentation). 1st Regional Conference on Environmental Modeling and Software. Nanjing, China.
- Baker, A.* , **H.-H. Wang**, W. E. Grant, P. D. Teel, and J. E. Lopez. Apr. 2019. The relationship between climate and the increasing incidence of *Anaplasma Phagocytophilum* in Minnesota and Wisconsin from 2005 to 2015 (poster). 20th Annual Texas A&M University Ecological Integration Symposium. College Station, TX.
- Bishop, A., A. Michalk, J. Borski, A. Montgomery, **H.-H. Wang**, W. E. Grant, S. Heldman, M. Mogg, Z. Derouen, P. D. Teel, J. E. Lopez. April 2019. Using Data Surveillance to Understand the Rising Prevalence of Tick-borne infections (genus Rickettsia) in the United States, 2010 - 2016 (oral presentation). 20th Annual Texas A&M University Ecological Integration Symposium. College Station, TX.
- Derouen, Z.* , M. Peterson* , **H.-H. Wang**, and W. E. Grant. Apr. 2019. Determinants of *Tubastraea coccinea* invasion and likelihood of further invasion in the northern Gulf of Mexico (poster). 20th Annual Texas A&M University Ecological Integration Symposium. College Station, TX.
- Baker, A.* , **H.-H. Wang**, W. E. Grant, P. D. Teel, and J. E. Lopez. Mar. 2019. Effects of climate change on *Anaplasma phagocytophilum* risk in Minnesota and Wisconsin from 2005 to 2015 (oral presentation). Student Research Week. College Station, TX. [Second place for undergraduate oral presentation in Health Sciences Category](#)
- Bishop, A.* , A. Michalk* , J. Borski* , A. Montgomery* , **H.-H. Wang**, W. E. Grant, S. Heldman* , M. Mogg* , Z. Derouen* , P. D. Teel, J. E. Lopez. Mar. 2019. Summarizing the escalation of spotted fever group Rickettsioses occurrence in the United States from 2012 to 2016 (poster). Student Research Week. College Station, TX.
- Derouen, Z.* , M. Peterson* , **H.-H. Wang**, and W. E. Grant. Mar. 2019. *Tubastraea coccinea* and the vectors of invasion in the northern Gulf of Mexico (poster). Student Research Week. College Station, TX.
- Baker, A.* , **H.-H. Wang**, W. E. Grant, P. D. Teel, and J. E. Lopez. Feb. 2019. Using climate factors to explain the increasing incidence of *Anaplasma phagocytophilum* in Minnesota and Wisconsin from 2005 to 2015 (oral presentation). Undergraduate Research Scholars Symposium. College

Station, TX.

- Derouen, Z. C., M. R. Peterson, **H.-H. Wang**, and W. E. Grant. Feb. 2019. The recent expansion of invasive *Tubastraea coccinea* throughout the Gulf of Mexico and its relation to oil and gas platforms (oral presentation). Undergraduate Research Scholars Symposium. College Station, TX.
- French, J. T., **H.-H. Wang**, W. E. Grant, J. M. Tomeček, and T. Campbell. Feb. 2019. A novel approach to the analysis of dynamic animal space use interactions with telemetry data (oral presentation). 55th Annual Meeting of the Texas Chapter of the Wildlife Society. Montgomery, TX.
- Peterson, M.*, Z. Derouen*, **H.-H. Wang**, and W. E. Grant. Jan. 2019. The recent expansion of the invasive orange cup coral throughout the northern Gulf of Mexico (poster). 9th Annual Graduate Program in Marine Biology Science Symposium. Corpus Christi, TX.
- Baker, A.*, M. Mogg*, Z. Derouen*, **H.-H. Wang**, and W. E. Grant. Oct. 2018. Increasing incidence of Anaplasmosis and Ehrlichiosis in the United States, 2012-2016 (poster). 2018 LAUNCH Undergraduate Research Expo. College Station, TX
- Michalk, A.*, J. Borski*, S. Lukose*, A. Carlos*, Z. Derouen*, **H.-H. Wang**, and W. E. Grant. Oct. 2018. Increasing incidence of spotted fever group Rickettsioses in the United States, 2012-2016 (poster). 2018 LAUNCH Undergraduate Research Expo. College Station, TX
- Wang, H.-H.**, F. Mestre, C. L. Wonkka, M. L. Treglia, W. E. Grant, F. E. Smeins, and W. E. Rogers. Sep. 2018. Synergistic effects of habitat fragmentation and climate change on conservation of an endangered orchid. Texas Plant Conservation Conference. Fort Worth, TX.
- Carbajal, K.*, P. Camposeco*, J. Diaz-Lopez*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Simulated population trends of Florida manatee under anthropogenic and catastrophic events (poster). National Conference on Ecosystem Restoration. New Orleans, LA
- Derouen, Z.*, A. Bishop*, M. Peterson*, S. Heldman*, Y. Marinkovic*, C. Vazquez*, L. Chilongo*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Aug. 2018. Plants on the move: The trend of Japanese Honeysuckle invasion in southeast United States (poster). National Conference on Ecosystem Restoration. New Orleans, LA
- Jones, M.*, Gerke, H. C.*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. A stage-structured population model for Deepwater Horizon oil spill: Potential impacts of Deepwater Horizon oil spill event (poster). National Conference on Ecosystem Restoration. New Orleans, LA
- Montgomery, A. M.*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Potential effect of morbillivirus exposure following the Deepwater Horizon oil spill on bottlenose dolphin population (poster). National Conference on Ecosystem Restoration. New Orleans, LA
- Peterson, M.*, S. Heldman*, C. Vazquez*, Z. Derouen*, Y. Marinkovic*, A. Bishop*, L. Chilongo*, **H.-H. Wang**, T. E. Koralewski, W. E. Grant, and W. E. Rogers. Aug. 2018. Plant invasion across space and time: Chinese tallow range expansion in southeast United States (poster). National Conference on Ecosystem Restoration. New Orleans, LA
- Bishop, Alexandra E.*, Z. Derouen*, M. Peterson*, S. M. Heldman*, Y. Marinkovic*, C. Vazquez*, L. Chilongo*, T. E. Koralewski, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Determinants of Japanese honeysuckle, *Lonicera japonica*, invasion in southeast United States forestlands (poster). Ecological Society of America Annual Meeting, New Orleans, LA.
- Borski, J. M.*, A. W. Richardson*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Potential effect of pharmaceutical contamination on fountain darter population dynamics (poster). Ecological Society of America Annual Meeting, New Orleans, LA.
- Carbajal, K.*, P. Camposeco*, J. Diaz-Lopez*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Modeling

- the effects of anthropogenic and catastrophic events on Florida manatee population (poster). Ecological Society of America Annual Meeting, New Orleans, LA.
- Koralewski, T. E., J. K. Westbrook, W. E. Grant, and **H.-H. Wang**. Aug. 2018. A platform for linking physical and ecological simulation models: The aeroecology of aphids (poster). Ecological Society of America Annual Meeting, New Orleans, LA.
- Marinkovic, Y.*, C. Vazquez*, S. M. Heldman*, A. E. Bishop*, L. Chilongo*, M. R. Peterson*, Z. Derouen*, **H.-H. Wang**, T. E. Koralewski, W. E. Grant, and W. E. Rogers. Aug. 2018. Influencing factors and implications for mitigation of Chinese tallow in southeast United States (poster). Ecological Society of America Annual Meeting, New Orleans, LA.
- Montgomery, A. M.*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. An age-structured population model for bottlenose dolphins: Potential impact of exposure to morbillivirus after the Deepwater Horizon oil spill (poster). Ecological Society of America Annual Meeting, New Orleans, LA.
- Wang, H.-H.**, W. E. Grant, P. D. Teel, and J. Lopez. Aug. 2018. Range expansion of invasive plants: Implication for incidence risk of ehrlichiosis in the southern United States (oral presentation). Ecological Society of America Annual Meeting, New Orleans, LA.
- Baker, A. *, M. Mogg*, Z. Derouen*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Increasing incidence of Anaplasmosis and Ehrlichiosis in the United States, 2012-2016 (poster). Summer 2018 Undergraduate Research Poster Session. College Station, TX.
- Derouen, Z.*, M. Peterson*, A. Bishop*, L. Chilongo*, Y. Marinkovic*, C. Vazquez*, S. Heldman*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Southeastern distribution of the invasive species, Japanese honeysuckle (*Lonicera japonica*) (poster). Summer 2018 Undergraduate Research Poster Session. College Station, TX.
- Michalk, A. *, J. Borski*, S. Lukose*, A. Carlos*, Z. Derouen*, **H.-H. Wang**, and W. E. Grant. Aug. 2018. Increasing incidence of spotted fever group Rickettsioses in the United States, 2012-2016 (poster). Summer 2018 Undergraduate Research Poster Session. College Station, TX.
- Wang, H.-H.**, W. E. Grant, J. K. Westbrook, M. J. Brewer, T. E. Koralewski, T. M. Alves, G. A. Sword, N. C. Elliott. Jun. 2018. Modeling the life cycle and aeroecology of wind-borne crop pests in temporally-variable spatially-heterogeneous environments (oral presentation). 9th International Congress on Environmental Modelling and Software. Fort Collins, CO.
- Koralewski, T. E., J. K. Westbrook, W. E. Grant, and **H.-H. Wang**. Jun. 2018. Coupling complex physical environmental process models with specific question-driven ecological models (oral presentation). 9th International Congress on Environmental Modelling and Software. Fort Collins, CO.
- Borski, J. M. *, A. W. Richardson*, **H.-H. Wang**, and W. E. Grant. Apr. 2018. Modeling the effects of synthetic estrogen, 17 α -ethinylestradiol, on fountain darter population dynamics (poster). 19th Ecological Integration Symposium. College Station, TX.
- Carbajal, K. *, P. Camposeco*, J. Diaz-Lopez*, **H.-H. Wang**, and W. E. Grant. Apr. 2018. A stage-based population model for Florida manatee: Potential impacts of anthropogenic and catastrophic events (poster). 19th Ecological Integration Symposium. College Station, TX.
- Derouen, Z. *, A. Bishop*, M. Peterson*, S. Heldman*, Y. Marinkovic*, C. Vazquez*, L. Chilongo*, **H.-H. Wang**, W. E. Grant. Apr. 2018. Mapping the invasion trend of Japanese honeysuckle in southeast United States (poster). 19th Ecological Integration Symposium. College Station, TX.
- Jones, M. *, Gerke, H. C. *, **H.-H. Wang**, and W. E. Grant. Apr. 2018. Simulated impacts of the Deepwater Horizon oil spill on loggerhead sea turtle (poster). 19th Ecological Integration

Symposium. College Station, TX.

Marinkovic, Y.*, M. Peterson*, S. Heldman*, C. Vazquez*, Z. Derouen*, Y. Marinkovic*, A. Bishop*, L. Chilongo*, **H.-H. Wang**, W. E. Grant, and W. E. Rogers. Apr. 2018. Quantifying biological invasions of Chinese tallow in southeast United States (oral presentation). 19th Ecological Integration Symposium. College Station, TX.

Montgomery, A. M.*, **H.-H. Wang**, and W. E. Grant. Apr. 2018. Simulated population trends of bottlenose dolphin with exposure to morbillivirus following the Deepwater Horizon oil spill (poster). 19th Ecological Integration Symposium. College Station, TX.

Bishop, A.*, Z. Derouen*, M. Peterson*, S. Heldman*, Y. Marinkovic*, C. Vazquez*, L. Chilongo*, **H.-H. Wang**, W. E. Grant. Mar. 2018. Invasive Species distribution of the Japanese Honeysuckle in Southeast United States (oral presentation). Texas A&M Student Research Week 2018. College Station, TX.

Borski, J. M.*, A. W. Richardson*, **H.-H. Wang**, and W. E. Grant. Mar. 2018. Evaluating the potential effects of synthetic estrogen, 17 α -ethinylestradiol, on endangered fountain darter populations (poster). Texas A&M Student Research Week 2018. College Station, TX.

Carbajal, K.*, P. Camposeco*, J. Diaz-Lopez*, **H.-H. Wang**, and W. E. Grant. Mar. 2018. Predicting the impact of anthropogenic and catastrophic events on Florida manatee population (poster). Texas A&M Student Research Week 2018. College Station, TX.

Heldman, S. M.*, M. Peterson*, C. Vasquez*, Z. Derouen*, Y. Marinkovic*, A. Bishop*, L. Chilongo*, **H.-H. Wang**, W. E. Grant, W. E. Rogers. Mar. 2018. The trend of Chinese tallow invasions in southeast United States (poster). Texas A&M Student Research Week 2018. College Station, TX.

Jones, M.*, Gerke, H. C.*, **H.-H. Wang**, and W. E. Grant. Mar. 2018. Modeling effects of Deepwater Horizon oil spill on the population dynamics of loggerhead sea turtle (*Caretta caretta*) (poster). Texas A&M Student Research Week 2018. College Station, TX.

Montgomery, A. M.*, **H.-H. Wang**, and W. E. Grant. Mar. 2018. Modeling the effects of morbillivirus exposure on bottlenose dolphin population dynamics after the Deepwater Horizon oil spill (poster). Texas A&M Student Research Week 2018. College Station, TX.

Carbajal, K.*, **H.-H. Wang**, and W. E. Grant. Feb. 2018. Estimation of anthropogenic and catastrophic effects of Florida manatee (*Trichechus Manatus Latirostris*) (oral presentation). Undergraduate Research Scholars Symposium. College Station, TX

Jones, M.*, **H.-H. Wang**, and W. E. Grant. Feb. 2018. Estimation of Deepwater Horizon oil spill effects on population dynamics of the loggerhead sea turtle (*Caretta caretta*) (oral presentation). Undergraduate Research Scholars Symposium. College Station, TX

Montgomery, A. M.*, **H.-H. Wang**, and W. E. Grant. Feb. 2018. Evaluation of morbillivirus exposure to bottlenose dolphins following the Deepwater Horizon oil spill (oral presentation). Undergraduate Research Scholars Symposium. College Station, TX

Borski, J. M.*, A. W. Richardson*, **H.-H. Wang**, and W. E. Grant. Feb. 2018. Effects of the synthetic estrogen, 17 α -ethinylestradiol, on fountain darter populations (poster). 54th Annual Meeting of the Texas Chapter of the Wildlife Society. Dallas, TX.

Carbajal, K.*, P. Camposeco*, J. Diaz-Lopez*, **H.-H. Wang**, and W. E. Grant. Feb. 2018. Estimation of anthropogenic and catastrophic effects on Florida manatee (poster). 54th Annual Meeting of the Texas Chapter of the Wildlife Society. Dallas, TX.

Heldman, S. M.*, M. Peterson*, C. Vasquez*, Z. Derouen*, Y. Marinkovic*, A. Bishop*, **H.-H. Wang**, W. E. Grant, W. E. Rogers. Feb. 2018. Rapidly increasing invasion by Chinese tallow in southeast United States (poster). 54th Annual Meeting of the Texas Chapter of the Wildlife

Society. Dallas, TX.

- Jones, M.* , Gerke, H. C.* , **H.-H. Wang**, and W. E. Grant. Feb. 2018. Estimation of Deepwater Horizon oil spill effects on population dynamics of the loggerhead sea turtle (poster). 54th Annual Meeting of the Texas Chapter of the Wildlife Society. Dallas, TX.
- Marinkovic, Y.* , A. Bishop* , K. Carbajal* , **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Feb. 2018. Biological invasion and coexistence in the southeast United States (poster). 54th Annual Meeting of the Texas Chapter of the Wildlife Society. Dallas, TX.
- Montgomery, A. M.* , **H.-H. Wang**, and W. E. Grant. Feb. 2018. Evaluation of morbillivirus exposure to bottlenose dolphins following the Deepwater Horizon oil spill (poster). 54th Annual Meeting of the Texas Chapter of the Wildlife Society. Dallas, TX.
- Poché, D., R. Galapati, Z. Torres-Poché, W. E. Grant, and **H.-H. Wang**. Nov. 2017. The importance of Bihari ecology: implications of human and vector-based field studies and quantitative analysis of vector control programs (poster). 2017 Entomological Society of America Annual Meeting. Denver, CO.
- Wang, H.-H.** and W. E. Grant. Oct. 2017. Complexity and uncertainty in ecology: Quantitative challenges (poster). 2017 LAUNCH Undergraduate Research Expo. College Station, TX.
- Borski, J. M.* , K. Carbajal* , L. Culpepper* , M. Jones* , A. M. Montgomery* , **H.-H. Wang**, and W. E. Grant. Oct. 2017. Using ecological models in undergraduate research: from endangered to invasive species (poster). 2017 LAUNCH Undergraduate Research Expo. College Station, TX.
- Borski, J. M.* , **H.-H. Wang**, and W. E. Grant. Aug. 2017. Evaluating potential effects of Antarctic ice-shelf retreat on blue whale populations: a simulation model of interactions among sea ice, Antarctic krill, and blue whales (poster). 102nd Ecological Society of America Annual Meeting. Portland, OR.
- Camposeco, P.* , J. Diaz-Lopez* , M. Ortega* , **H.-H. Wang**, and W. E. Grant. Aug. 2017. Simulated effects of Indo-Pacific lionfish (*Pterois volitans* and *P. miles*) invasions on parrotfish (scaridae family) populations on coral reefs in the Caribbean (poster). 102nd Ecological Society of America Annual Meeting. Portland, OR.
- Carbajal, K.* , Y. Marinkovic* , **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Aug. 2017. How abiotic and biotic factors shape the coexistence of invasive species (poster). 102nd Ecological Society of America Annual Meeting. Portland, OR.
- Cole, A.* , **H.-H. Wang**, and W. E. Grant. Aug. 2017. Effects of road development on decreasing population of the endangered Florida panther (poster). 102nd Ecological Society of America Annual Meeting. Portland, OR
- Culpepper, L.* , **H.-H. Wang**, W. E. Grant, and W. E. Rogers. Aug. 2017. Species distribution model for management: influencing factors and implications for mitigation of an invasive grass in forestlands of Tennessee (poster). 102nd Ecological Society of America Annual Meeting. Portland, OR.
- Richardson, A. W.* , **H.-H. Wang**, and W. E. Grant. Aug. 2017. Evaluating the effect of synthetic estrogen (17 α ethynylestradiol) contamination upon fountain darter (*Etheostoma fonticola*) population (poster). 102nd Ecological Society of America Annual Meeting. Portland, OR.
- Carbajal, K.* , P. Camposeco* , J. Diaz-Lopez* , H.-H. Wang, and W. E. Grant. Aug. 2017. Estimation of anthropogenic and catastrophic effects of Florida Manatee (*Trichechus manatus latirostris*) (poster). Summer 2017 Undergraduate Research Poster Session. College Station, TX.
- Jones, M.* , Gerke, H. C.* , H.-H. Wang, and W. E. Grant. Aug. 2017. Estimation of Deepwater Horizon oil spill effects on population dynamics of the loggerhead sea turtle (*Caretta caretta*) (poster). Summer 2017 Undergraduate Research Poster Session. College Station, TX.

- Montgomery, A. M.*, H.-H. Wang, and W. E. Grant. Aug. 2017. Evaluation of morbillivirus exposure to bottlenose dolphins (*Tursiops truncatus*) following the Deepwater Horizon oil spill (poster). Summer 2017 Undergraduate Research Poster Session. College Station, TX.
- Poché, D., R. Galapati, Z. Torres-Poché, W. E. Grant, **H.-H. Wang**, S. Mukherjee, T. Clarke, A. Norris, L. Briley, D. Somers, G. Franckowiak, E. Hasker, R. Poché. May 2017. The importance of Bihari village ecology: implications of human and vector-based field studies and quantitative analysis of vector control programs (oral presentation). 6th World Congress on Leishmaniasis. Toledo, Spain.
- Aden, R. E.*, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Mar. 2017. Simulated effects of juvenile survival on adult population dynamics of the Houston toad (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Borski, J. M.*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Evaluating potential effects of Antarctic ice-shelf retreat on blue whale populations: a simulation model of interactions among sea ice, Antarctic krill, and blue whales (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Camposeco, P.*, J. Diaz-Lopez*, M. Ortega*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Simulated effects of Indo-Pacific lionfish (*Pterois volitans* and *P. miles*) invasions on parrotfish (scaridae family) populations on coral reefs in the Caribbean (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Carbajal, K.*, Y. Marinkovic*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Mar. 2017. How abiotic and biotic factors shape the coexistence of invasive species (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Culpepper, L.*, **H.-H. Wang**, W. E. Grant, and W. E. Rogers. Mar. 2017. The hunt for the drivers of plant invasions: influencing factors and implications for mitigation of an invasive grass in forestlands of Tennessee (oral presentation). Texas A&M Student Research Week 2017. College Station, TX.
- Forks, K. N.*, T. Suriyamongkol*, A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W. Grant, and M. Forstner. Mar. 2017. Use of PVC pipes of different diameters as artificial refuges by green tree frogs in Texas (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Gerke, H. C.*, D. Steen, **H.-H. Wang**, and W. E. Grant. Mar. 2017. A top predator returns: Effects of the eastern indigo snake on herpetological communities in southern Alabama (oral presentation). Texas A&M Student Research Week 2017. College Station, TX.
- Kocmoud, A. R. †, W. E. Grant, **H.-H. Wang**, and B. J. Gallaway. Mar. 2017. Stage-structured population model evaluating the post-2010 population trend of Kemp's ridley sea turtles in the Gulf of Mexico: four processes of investigation (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Laxton, C.*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Simulated effects of poaching on the endangered Hawksbill Sea Turtle (*Eretmochelys imbricata*) population dynamics (poster). Texas A&M Student Research Week 2017. College Station, TX.
- Richardson, A. W.*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Evaluating the effect of synthetic estrogen (17 α ethinylestradiol) contamination upon fountain darter (*Etheostoma fonticola*) population (oral presentation). Texas A&M Student Research Week 2017. College Station, TX.
- Aden, R. E.*, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Mar. 2017. Simulated effects of juvenile survival on adult population dynamics of the Houston toad (poster). 18th Ecological Integration Symposium. College Station, TX.
- Borski, J. M.*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Evaluating potential effects of Antarctic

- ice-shelf retreat on blue whale populations: a simulation model of interactions among sea ice, Antarctic krill, and blue whales (poster). 18th Ecological Integration Symposium. College Station, TX.
- Camposeco, P.*, J. Diaz-Lopez*, M. Ortega*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Simulated effects of Indo-Pacific lionfish (*Pterois volitans* and *P. miles*) invasions on parrotfish (scaridae family) populations on coral reefs in the Caribbean (poster). 18th Ecological Integration Symposium. College Station, TX.
- Carbajal, K.*, Y. Marinkovic*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Mar. 2017. How abiotic and biotic factors shape the coexistence of invasive species (poster). 18th Ecological Integration Symposium. College Station, TX.
- Culpepper, L.*, **H.-H. Wang**, W. E. Grant, and W. E. Rogers. Mar. 2017. Proactive management of invasive plant species: influencing factors and implications for mitigation of an invasive grass in forestlands of Tennessee (poster). 18th Ecological Integration Symposium. College Station, TX.
- Forks, K. N.*, T. Suriyamongkol*, A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W. Grant, and M. Forstner. Mar. 2017. Use of PVC pipes of different diameters as artificial refuges by green tree frogs in Texas (poster). 18th Ecological Integration Symposium. College Station, TX.
- Gerke, H. C.*, D. Steen, **H.-H. Wang**, and W. E. Grant. Mar. 2017. A top predator returns: Effects of the eastern indigo snake on herpetological communities in southern Alabama (poster). First place for undergraduate posters. 18th Ecological Integration Symposium. College Station, TX.
- Kocmoud, A. R. †, W. E. Grant, **H.-H. Wang**, and B. J. Gallaway. Mar. 2017. Stage-structured population model evaluating the post-2010 population trend of Kemp's ridley sea turtles in the Gulf of Mexico: four processes of investigation (poster). 18th Ecological Integration Symposium. College Station, TX.
- Laxton, C.*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Simulated effects of poaching on the endangered Hawksbill Sea Turtle (*Eretmochelys imbricata*) population dynamics (poster). 18th Ecological Integration Symposium. College Station, TX.
- Richardson, A. W.*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Evaluating the effect of synthetic estrogen (17 α ethinylestradiol) contamination upon fountain darter (*Etheostoma fonticola*) population (poster). 18th Ecological Integration Symposium. College Station, TX.
- Camposeco, P.*, J. Diaz-Lopez*, M. Ortega*, **H.-H. Wang**, and W. E. Grant. Mar. 2017. Simulated effects of Indo-Pacific lionfish (*Pterois volitans* and *P. miles*) invasions on parrotfish (scaridae family) populations on coral reefs in the Caribbean (poster). 2017 TAMUS LSAMP (Texas A&M University System, Louis Stokes Alliance for Minority Participation) Symposium. Prairie View, TX.
- Culpepper, L.*, **H.-H. Wang**, W. E. Grant, and W. E. Rogers. Mar. 2017. Tracking its roots: Expansion by Japanese stiltgrass in the forestlands of Tennessee (poster). 2017 TAMUS LSAMP (Texas A&M University System, Louis Stokes Alliance for Minority Participation) Symposium. Prairie View, TX.
- Aden, R. E. †, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Feb. 2017. Simulated effects of juvenile survival on adult population dynamics of the Houston toad (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Borski, J. M.*, **H.-H. Wang**, and W. E. Grant. Feb. 2017. Evaluating potential effects of Antarctic ice-shelf retreat on blue whale populations: a simulation model of interactions among sea ice, Antarctic krill, and blue whales (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.

- Camposeco, P.*, J. Diaz-Lopez*, M. Ortega*, **H.-H. Wang**, and W. E. Grant. Feb. 2017. Simulated effects of Indo-Pacific lionfish (*Pterois volitans* and *P. miles*) invasions on parrotfish (Scaridae family) populations on coral reefs in the Caribbean (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Cole, A.*, **H.-H. Wang**, and W. E. Grant. Feb. 2017. Effects of road development on decreasing population of the endangered Florida panther (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Culpepper, L.*, W. E. Grant, W. E. Rogers, and **H.-H. Wang**. Feb. 2017. Tracking its roots: Expansion by Japanese stiltgrass in the forestlands of Tennessee (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Gerke, H. C.*, D. Steen, **H.-H. Wang**, and W. E. Grant. Feb. 2017. A top predator returns: effects of the eastern indigo snake on herpetological communities in southern Alabama (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Kocmoud, A. R. †, W. E. Grant, **H.-H. Wang**, and B. J. Gallaway. Feb. 2017. Stage-structured matrix analyses evaluating the post-2010 population trend of Kemp's ridley sea turtles in the Gulf of Mexico: four processes of investigation (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Richardson, A. W.*, **H.-H. Wang**, and W. E. Grant. Feb. 2017. Evaluating the effect of pharmaceuticals and polychlorinated biphenyl contamination upon fountain darter population (poster). 53rd Annual Meeting of the Texas Chapter of the Wildlife Society, San Antonio, TX.
- Culpepper, L.*, **H.-H. Wang**, W. E. grant, and W. E. Rogers. Jan. 2017. Recent range expansions by Japanese stiltgrass (*Microstegium vimineum* (Trin.) A. Campus) in the forestlands of Tennessee (poster). 8th Biennial Conference of the International Biogeography Society, Tucson, AZ.
- Villamizar-Gomez, A., M. R. J. Forstner, T. Suriyamongkol*, K. N. Forks*, W. E. Grant, **H.-H. Wang**, and I. Mali. Nov. 2016. Prevalence of *Batrachochytrium dendrobatidis* in two sympatric tree frog species, *Hyla cinerea* and *Hyla versicolor* (oral presentation). Eighth Annual International Research Conference for Graduate Students, San Marcos, TX.
- Wang, H.-H.**, C. L. Wonkka, M. L. Treglia, W. E. Grant, F. E. Smeins, and W. E. Rogers. Nov. 2016. Edaphic determinants of the distribution of an endangered terrestrial orchid: Using Maxent as an investigative tool for rare plant conservation. Texas Plant Conservation Conference. Fort Worth, TX.
- Aden, R. E.*, L. Culpepper*, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Oct. 2016. Assessing extinction threats of the Houston toad (*Bufo houstonensis*): Effects of sex ratio disparity (poster). The Wildlife Society's 23rd Annual Conference, Raleigh, NC.
- Arevilca, A.*, S. Murray*, M. Ortega*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Oct. 2016. Impacts of gillnet entanglement on population trends of dusky dolphins (*Lagenorhynchus obscurus*) (poster). The Wildlife Society's 23rd Annual Conference, Raleigh, NC.
- Camposeco, P.*, J. Diaz-Lopez*, **H.-H. Wang**, and W. E. Grant. Oct. 2016. Anthropogenic and natural catastrophic effects on the population dynamics of Florida manatee (*Trichechus manatus latirostris*) (poster). The Wildlife Society's 23rd Annual Conference, Raleigh, NC.
- Cole, A.*, K. Anthony*, C. Chen*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Oct. 2016. Inbreeding Effects on Population Dynamics of the Florida Panther (*Puma concolor coryi*) (poster). The Wildlife Society's 23rd Annual Conference, Raleigh, NC.
- Suriyamongkol, T.*, K. N. Forks*, A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W. Grant, and M. Forstner. Aug. 2016. Effects of post-wildfire on abundances of green tree frogs (*Hyla cinerea*)

- using PVC pipes as artificial refuges in burned and unburned areas near Bastrop, Texas (poster). The Wildlife Society's 23rd Annual Conference, Raleigh, NC.
- Arevilca, A.*, S. Murray*, M. Ortega*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Oct. 2016. Effects of gillnet entanglement on mortality of dusky dolphins (poster). 2016 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Camposeco, P.*, J. Diaz-Lopez*, T. Suriyamongkol*, **H.-H. Wang**, and W. E. Grant. Oct. 2016. Simulated effects of oil spills and climate catastrophes on demography and population trends of Florida manatee (poster). 2016 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Cole, A.*, K. Anthony*, C. Chen*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Oct. 2016. Effects of genetic depletion on estimating risk of extinction of the endangered Florida panther (poster). 2016 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Gerke, H. C.*, K. Beck*, B. Stamps*, **H.-H. Wang**, and W. E. Grant. Oct. 2016. Effect of oil spills on populations of the loggerhead sea turtle (poster). 2016 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Richardson, A.*, **H.-H. Wang**, W. E. Grant, M. Fujiwara, and W. E. Rogers. Oct. 2016. Evaluation of frequencies of prescribed burning to control plant invasions on coastal prairie (poster). 2016 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Aden, R. E.*, L. Culpepper*, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Aug. 2016. Simulated effects of sex-ratio disparity on population dynamics of the endangered Houston toad (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Arevilca, A.*, S. Murray*, M. Ortega*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Aug. 2016. Effects of gillnet entanglement on mortality of dusky dolphins (*Lagenorhynchus obscurus*) (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Camposeco, P.*, J. Diaz-Lopez*, T. Suriyamongkol*, **H.-H. Wang**, and W. E. Grant. Aug. 2016. Simulated effects of oil spills and climate catastrophes on demography and population trends of Florida manatee (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Cole, A.*, K. Anthony*, C. Chen*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Aug. 2016. Effects of genetic depletion on estimating risk of extinction of the endangered Florida panther (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Forks, K. N.*, T. Suriyamongkol*, A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W. Grant, and M. Forstner. Aug. 2016. Use of PVC pipes of different diameters as artificial refuges by green tree frogs in Texas (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Gerke, H. C.*, K. Beck*, B. Stamps*, **H.-H. Wang**, and W. E. Grant. Aug. 2016. Effect of oil spills on populations of the loggerhead sea turtle (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Richardson, A.*, **H.-H. Wang**, W. E. Grant, M. Fujiwara, and W. E. Rogers. Aug. 2016. Evaluation of frequencies of prescribed burning to control plant invasions on coastal prairie (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Suriyamongkol, T.*, K. Forks*, A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W. E. Grant, and M. Forstner. Aug. 2016. Effects of burning on relative abundances and morphological characteristics of green tree frog in Texas (poster). 101st Ecological Society of America Annual Meeting, Fort Lauderdale, FL.
- Camposeco, P.*, J. Diaz-Lopez*, **H.-H. Wang**, W. E. Grant. Aug. 2016. Simulated effects of

- human-caused disturbance on population trends of Florida manatee (poster). 2016 Undergraduate Research Summer Poster Session. College Station, TX.
- Chen, Chris*, A. Cole*, K. Anthony*, **H.-H. Wang**, T. Koralewski, W. E. Grant. Aug. 2016. Inbreeding effects on demography and population trends of the endangered Florida panther (poster). 2016 Undergraduate Research Summer Poster Session. College Station, TX.
- Suriyamongkol, T.*, K. Forks*, A. Villamizar-Gomez[†], I. Mali, **H.-H. Wang**, W. E. Grant, M. Forstner. Aug. 2016. Effects of wildfire on abundances and morphological characteristics of green tree frog in Bastrop, Texas (poster). 2016 Undergraduate Research Summer Poster Session. College Station, TX.
- Poche, D.[†], W. E. Grant, and **H.-H. Wang**. Jul. 2016. Visceral leishmaniasis on the Indian subcontinent: modelling the dynamic relationship between vector control schemes and vector lifecycles (oral presentation). IX International Symposium on Phlebotomine Sandflies (ISOPS). Reims, France.
- Koralewski, T. E., **H.-H. Wang**, W.E. Grant, T.D. Byram. May 2016. Boosting plant migration: Boosted regression modelling as a tool to guide decisions on assisted migration of forest trees under changing climate (oral presentation). The International Society for Ecological Modelling Global Conference 2016. Towson, MD.
- Wang, H.-H.**, W. E. Grant, P. D. Teel. May 2016. Spatial ecology of invasive plants, native wildlife, and tick-borne disease risk: Honeysuckle, white-tailed deer, lone star ticks, and ehrlichiosis (oral presentation). The International Society for Ecological Modelling Global Conference 2016. Towson, MD.
- Camposeco, P.*, J. Diaz-Lopez*, T. Suriyamongkol*, **H.-H. Wang**, and W. E. Grant. Apr. 2016. Simulated effects of oil spills and climate catastrophes on demography and population trends of Florida manatee (poster). Minorities in Agriculture, Natural Resources, and Related Sciences 31st Annual Conference. Jacksonville, FL.
- Aden, R. E.*, L. Culpepper*, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Mar. 2016. Simulated effects of sex-ratio disparity on population dynamics of the endangered Houston toad (oral presentation). Texas A&M Student Research Week 2016. College Station, TX.
- Arevilca, A.*, S. Murray*, M. Ortega*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Mar. 2016. Effects of gillnet entanglement on mortality of dusky dolphins (oral presentation). Texas A&M Student Research Week 2016. College Station, TX.
- Camposeco, P.*, J. Diaz-Lopez*, T. Suriyamongkol*, **H.-H. Wang**, and W. E. Grant. Mar. 2016. Simulated effects of oil spills and climate catastrophes on demography and population trends of Florida manatee (poster). Texas A&M Student Research Week 2016. College Station, TX.
- Cole, A.*, K. Anthony*, C. Chen*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Mar. 2016. Effects of genetic depletion on estimating risk of extinction of the endangered Florida panther (oral presentation). Texas A&M Student Research Week 2016. College Station, TX.
- Forks, K. N.*, T. Suriyamongkol*, E. McGrew*, I. Mali, **H.-H. Wang**, W. Grant, A. Villamizar-Gomez, and M. Forstner. Mar. 2016. Use of PVC pipes of different diameters as artificial refuges by green tree frogs in Texas (poster). Texas A&M Student Research Week 2016. College Station, TX.
- Gerke, H. C.*, K. Beck*, B. Stamps*, **H.-H. Wang**, and W. E. Grant. Mar. 2016. Effect of oil spills on populations of the loggerhead sea turtle (oral presentation). Texas A&M Student Research Week 2016. College Station, TX.
- Suriyamongkol, T.*, K. Forks*, E. McGrew*, I. Mali, **H.-H. Wang**, W. E. Grant, A. Villamizar-Gomez, and M. Forstner. Mar. 2016. Effects of burning on relative abundances and morphological

- characteristics of green tree frog in Texas (poster). Texas A&M Student Research Week 2016. College Station, TX.
- Aden, R. E.* , L. Culpepper*, E. McGrew*, **H.-H. Wang**, I. Mali, W. E. Grant, and M. Forstner. Feb. 2016. Simulated effects of sex-ratio disparity on population dynamics of the endangered Houston toad (poster). 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. San Antonio, TX.
- Arevilca, A.* , S. Murray*, M. Ortega*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Feb. 2016. Effects of gillnet entanglement on mortality of dusky dolphins (poster). 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. San Antonio, TX.
- Cole, A.* , K. Anthony*, C. Chen*, **H.-H. Wang**, T. E. Koralewski, and W. E. Grant. Feb. 2016. Effects of genetic depletion on estimating risk of extinction of the endangered Florida panther (oral presentation). 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. San Antonio, TX.
- Forks, K. N.* , T. Suriyamongkol*, E. McGrew*, I. Mali, **H.-H. Wang**, W. Grant, A. Villamizar-Gomez, and M. Forstner. Feb. 2016. Use of PVC pipes of different diameters as artificial refuges by green tree frogs in Texas (oral presentation). 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. San Antonio, TX.
- Gerke, H. C.* , K. Beck*, B. Stamps*, **H.-H. Wang**, and W. E. Grant. Feb. 2016. Effect of oil spills on populations of the loggerhead sea turtle (poster). 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. San Antonio, TX.
- Suriyamongkol, T.* , K. Forks*, E. McGrew*, I. Mali, **H.-H. Wang**, W. Grant, A. Villamizar-Gomez, and M. Forstner. Feb. 2016. Effects of burning on relative abundances and morphological characteristics of green tree frog in Texas (poster). 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. San Antonio, TX.
- Wang, H.-H.** Feb. 2016. Modeling ecological dynamics in temporally variable, spatially heterogeneous environments: invasive plants, native wildlife, and tick-borne disease risk (oral presentation). Graduate Lunchtime Seminar Series, Department of Wildlife and Fisheries Sciences, Texas A&M University. College Station, TX.
- Arevilca, A.* , S. Stephens*, M. Ortega*, S. Murray*, **H.-H. Wang**, W.E. Grant. Jan. 2016. Effects of gillnet entanglement on mortality of dusky dolphins (*Lagenorhynchus obscurus*) (poster). 6th Annual Graduate Program in Marine Biology Science Symposium. Corpus Christi, TX.
- Suriyamongkol, T.* , M. P. Camposeco*, J. Diaz-Lopez*, **H.-H. Wang**, W.E. Grant. Jan. 2016. Demography and population trends of Florida manatee (*Trichechus manatus latirostris*) (poster). 6th Annual Graduate Program in Marine Biology Science Symposium. Corpus Christi, TX.
- Koralewski T.E., T.D. Byram, **H.-H. Wang**, W.E. Grant. Nov. 2015. Modeling responses of forest trees to changing climate based on historical provenance trial data (oral presentation). Camcore 2015 Annual Meeting. College Station, TX.
- Urdaz-Rodríguez, J.H., R.J. Miller, P.D. Teel, I. Castro-Arellano, F.D. Guerrero, M.T. Messenger, F.V. Soltero, W.E. Grant, **H.-H. Wang**, C. Oliver-Canabal, M. C6mas-Pag6n, and A.P. de Le6n. Nov. 2015. Integrated tick management to mitigate the impact of *Rhipicephalus microplus*, bovine anaplasmosis, and bovine babesiosis in livestock farming systems of Puerto Rico (poster). International Society for the Veterinary Epidemiology and Economics (ISVEE) 14th Conference. City of Merida, Yucatan, Mexico.
- Suriyamongkol, T.* , K. Forks*, E. McGrew*, A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W.E. Grant, and M. Forstner Nov. 2015. Post-wildfire comparison of *Hyla cinerea* in burned and unburned

- areas near Bastrop, Texas (poster). Texas Herpetological Society 2015 Fall Symposium. San Marcos, TX.
- Arevilca, A.* , L. Elissetche* , M. Scanlin* , S. Stephens* , **H.-H. Wang**, and W. E. Grant. Sep. 2015. Invasion of eastern Texas forestlands by the most prevalent invasive shrub, Chinese and European privets (*Ligustrum sinense* Lour and *L. vulgare* L.) (poster). 2015 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Beck, K.* , L. Culpepper* , E. McGrew* , T. Suriyamongkol* , **H.-H. Wang**, and W. E. Grant. Sep. 2015. Recent range expansions by the most prevalent invasive tree, Chinese tallow (*Triadica sebifera* (L.) Small), in the forestlands of eastern Texas (poster). 2015 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- McGrew, E.* , S. Stephens* , **H.-H. Wang**, W. E. Grant. Sep. 2015. Recent expansion of an invasive vine, Japanese honeysuckle (*Lonicera japonica*), in eastern Texas forestlands from 2006 to 2011 (poster). 2015 Sigma Xi/LAUNCH Undergraduate Research Expo. College Station, TX.
- Koralewski, T. E., **H.-H. Wang**, W. E. Grant and T. D. Byram. Aug. 2015. Mitigating climate change effects on plants through assisted migration with the application of a modeling approach: A lesson from forest trees (poster). 100th Ecological Society of America Annual Meeting, Baltimore, MD.
- Wang, H.-H.**, P.D. Teel, W. E. Grant. Aug. 2015. Role of white-tailed deer as a host for the cattle fever tick (*Rhipicephalus (Boophilus) microplus*) in south Texas, USA: A spatially-explicit model (poster). 100th Ecological Society of America Annual Meeting, Baltimore, MD.
- McGrew, E.* , S. Stephens* , **H.-H. Wang**, W. E. Grant. Aug. 2015. Recent expansion of an invasive vine, Japanese honeysuckle (*Lonicera japonica*), in eastern Texas forestlands from 2006 to 2011 (poster). Summer 2015 Undergraduate Research Poster Session. College Station, TX.
- Suriyamongkol, T.* , K. Forks* , A. Arevilca* , E. McGrew* , A. Villamizar-Gomez, I. Mali, **H.-H. Wang**, W. Grant, and M. Forstner. Aug. 2015. Post-wildfire comparison of the herpetofauna in burned and unburned areas near Bastrop, Texas (poster). Summer 2015 Undergraduate Research Poster Session. College Station, TX.
- Teel, P. D., **H.-H. Wang**, J. H. Urdaz, W. E. Grant, F. Guerrero, M. Messenger, F. V. Soltero, C. Oliver-Canabal, M. Comas-Pagán, R. J. Miller, A. A. Pérez de León. Jul. 2015. Simulation Tools for Integrated Tick Management of the Southern Cattle Fever Tick, *Rhipicephalus (Boophilus) microplus*, in Puerto Rico. The American Association of Veterinary Parasitologists 60th Annual Meeting. Boston, MA.
- Koralewski, T. E., T. D. Byram, **H.-H. Wang**, and W. E. Grant. Jun. 2015. Deployment and procurement of Loblolly pine (*Pinus taeda* L.) seed sources guided by the application of Categorical Universal Response Function (CURF) (oral presentation). The role of tree improvement in a changing environment. The 33rd Southern Forest Tree Improvement Conference. Hot Spring, AR.
- Koralewski, T. E., T. D. Byram, **H.-H. Wang**, and W. E. Grant. Jun. 2015. Supporting loblolly pine deployment and procurement decisions: A modeling approach. (poster) The 33rd Southern Forest Tree Improvement Conference. Hot Spring, AR.
- Koralewski, T. E., T. D. Byram, **H.-H. Wang**, and W. E. Grant. Jun. 2015. Supporting loblolly pine deployment and procurement decisions: A modeling approach (poster). PINEMAP 2014 Annual Meeting. Atlanta, GA.
- Koralewski, T. E., T. D. Byram, **H.-H. Wang**, and W. E. Grant. May 2015. Where from and where to: Using climate models to guide deployment (oral presentation). The Future of Forest Genetics. Western Gulf Forest Tree Improvement Program, Contact Representatives Meeting. College

Station, TX.

- Fairs, A., **H.-H. Wang**, A. Tarone, and W. E. Grant. May 2015. An ecological modeling approach for quantifying uncertainty associated with insect age estimates (oral presentation). The 12th Meeting of the European Association for Forensic Entomology. Huddersfield, UK.
- Arevilca, A. *, L. Elissetche*, M. Scanlin*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Apr. 2015. Invasion of eastern Texas forestlands by the most prevalent invasive shrub, Chinese and European privets (*Ligustrum sinense* Lour and *L. vulgare* L.) (oral presentation). The Sixth Big Thicket and West Gulf Coastal Plain Science Conference. Nacogdoches, TX.
- Beck, K. *, L. Culpepper*, E. McGrew*, T. Suriyamongkol*, **H.-H. Wang**, and W. E. Grant. Apr. 2015. Recent range expansions by the most prevalent invasive tree, Chinese tallow (*Triadica sebifera* (L.) Small), in the forestlands of eastern Texas (oral presentation). The Sixth Big Thicket and West Gulf Coastal Plain Science Conference. Nacogdoches, TX.
- Poche, D.†, W. E. Grant, and **H.-H. Wang**. Mar. 2015. Visceral Leishmaniasis in Bihar, India: Simulating alternative control strategies using Fipronil orally administered to livestock (oral presentation). Ecological Integration Symposium, Texas A&M University. College Station, TX.
- Arevilca, A. *, L. Elissetche*, M. Scanlin*, S. Stephens*, **H.-H. Wang**, and W. E. Grant. Mar. 2015. Invasion of eastern Texas forestlands by the most prevalent invasive shrub, Chinese and European privets (*Ligustrum sinense* Lour and *L. vulgare* L.) (poster). Texas A&M Student Research Week 2015. College Station, TX.
- Beck, K. *, L. Culpepper*, E. McGrew*, T. Suriyamongkol*, **H.-H. Wang**, and W. E. Grant. Mar. 2015. Recent range expansions by the most prevalent invasive tree, Chinese tallow (*Triadica sebifera* (L.) Small), in the forestlands of eastern Texas (poster). Texas A&M Student Research Week 2015. College Station, TX.
- Poche, D.†, W. E. Grant, and **H.-H. Wang**. Mar. 2015. Neglected tropical disease: simulating control of Phlebotomine sand flies, the vector for Visceral Leishmaniasis, in Bihar, India (oral presentation). WFSC Friday Graduate Lunchtime Seminar, Texas A&M University. College Station, TX.
- Wang, H.-H.**, C. L. Wonkka, M. L. Treglia, W. E. Grant, F. E. Smeins, and W. E. Rogers. Nov. 2014. Determinants and likelihood of occurrence of an endangered endemic orchid (*Spiranthes parksii* (correll)) in central Texas (oral presentation). Texas Plant Conservation Conference. Austin, TX.
- Fairs, A., **H.-H. Wang**, W. E. Grant, and A. Tarone. Nov. 2014. Ecological modeling helps to dissect local temporal variation in entomology-based PMI estimates (oral presentation). Entomological Society of America Annual Meeting 2014. Portland, OR.
- Poche, D.†, W. E. Grant, and **H.-H. Wang**. Oct. 2014. Modeling alternative sand fly control strategies using systemic insecticides orally administered to livestock in Bihar, India (oral presentation). Vector Biology Seminar, Texas A&M University. College Station, TX.
- Poche, D.†, W. E. Grant, and **H.-H. Wang**. Sep. 2014. Sand fly control in Bihar, India: Modeling alternative control strategies using systemic insecticides orally administered to livestock (oral presentation). VIII International Symposium on Phlebotomine Sandflies (ISOPS). Iguazu, Argentina.
- Wang, H.-H.**, W. E. Grant, P. D. Teel, and S. A. Hamer. Jun. 2014. Tick-borne infectious agents in nature: Simulated effects of host community changes on spatial-temporal prevalence in three-host ticks (oral presentation). 64th James Steele Conference on Disease in Nature Transmissible to Man. Irving, TX.
- Poche, D.†, **H.-H. Wang**, R. Garlapati, and W. E. Grant. Jun. 2014. Visceral Leishmaniasis in India:

- Simulation of alternative control strategies using systemic insecticides orally administered to cattle (oral presentation). 64th James Steele Conference on Disease in Nature Transmissible to Man. Irving, TX.
- Koralewski, T. E., **H.-H. Wang**, W. E. Grant and T. D. Byram. May 2014. In search of optimal strategies for delineating assisted migration guidelines as applied to loblolly pine families from the Western Gulf region of the USA (poster). PINEMAP 2014 Annual Meeting. Atlanta, GA.
- Poche, D.[†], **H.-H. Wang**, R. Garlapati, and W. E. Grant. Mar. 2014. Visceral Leishmaniasis in India: Modeling alternative control strategies using systemic insecticides orally administered to cattle (oral presentation). Ecological Integration Symposium, Texas A&M University. College Station, TX.
- Randklev, C. R., **H.-H. Wang**, W. E. Grant, J. E. Groce, B. Sowards, M. Fisher, A. Blair, S. Robertson, and R. Lopez. Mar. 2013. The influence of land use and spatial scale on the distribution of *Quadrula houstonensis* in the Leon river, Brazos river basin, Texas (oral presentation). Freshwater Unionid Symposium. San Marcos, TX.
- Wang, H.-H.**, C.-L. Liu, W. E. Grant, W. L. Griffin, and D. J. Leatham. Sep. 2011. A general fishery assessment model for annual-crop marine fisheries (poster). IAMCS Workshop: Ecosystem Modeling, Simulation and Assessment. College Station, TX.
- Wang, H.-H.**, W. E. Grant, J. Gan, W. E. Rogers, T. M. Swannack, T. E. Koralewski, J. H. Miller and J. W. Taylor. Aug. 2011. Predicted range expansion of Chinese tallow tree (*Triadica sebifera*) in forestlands of the southern United States (oral presentation). 96th Ecological Society of America Annual Meeting, Austin, TX.
- Gan, J., J. H. Miller, **H.-H. Wang**, and J. W. Taylor, Jr. Oct. 2009. Tallowtree invasion on southern forestland: Occupation, predicted spread, and mitigation (oral presentation). Society of American Foresters (SAF) National Convention. Orlando, FL.
- Wang, H.-H.** and J. Gan. Mar. 2009. Linking the occupation model to dispersal of Chinese tallowtrees in East Texas and Louisiana (poster). Ecological Integration Symposium. College Station, TX.
- Wang, H.-H.** and J. Gan. Mar. 2009. Linking the occupation model to dispersal of Chinese tallowtrees in East Texas and Louisiana (poster). Texas A&M Student Research Week. College Station, TX.
- Gan, J., J. H. Miller, **H.-H. Wang**, V. Rudis, and J. W. Taylor, Jr. Oct. 2008. Occupation, spread, impacts, and mitigation of Chinese tallowtree in the southern United States (oral presentation). 35th Annual Natural Areas Conference. Nashville, TN.
- Wang, H.-H.** and J. Gan. Mar. 2008. Determinants for occupation of Chinese tallowtrees in East Texas and Louisiana (poster). Ecological Integration Symposium. College Station, TX.
- Wang, H.-H.** and J. Gan. Mar. 2008. Determinants for occupation of Chinese tallowtrees in East Texas and Louisiana (poster). Texas A&M Student Research Week. College Station, TX. College Station, TX.
- Wang, H.-H.** and J. Gan. Jan. 2008. Determinants for occupation of Chinese tallowtrees in East Texas (poster), Student Research Poster Competition, Texas A&M AgriLife Conference. College Station, TX.
- Wang, H.-H.**, C.-R. Chiou, C. Lin, and J. Gan. Apr. 2007. Applying theory of reasoned action for forest fires mechanism in Wu-Lin, Taiwan (poster), Texas A&M Student Research Week. College Station, TX.
- Wang, H.-H.**, C.-R. Chiou, C. Lin, and J. Gan. Mar. 2007. Applying theory of reasoned action for

forest fires mechanism in Wu-Lin, Taiwan (poster), Southern Forest Economics Workshop. San Antonio, TX.

Wang, H.-H., C.-R. Chiou, and H. Lin. Oct. 2005. The application of the multimedia geographical information system to trail interpretation in Lin-Mei stone trail (oral presentation), Geographic Information Society Conference. Taichung, Taiwan.

Wang, H.-H., C.-R. Chiou, and C. Lin. Jun. 2005. Investigation for fire use behavior of residences in forest district of Wu-Lin area (oral presentation), Forest Fire Ecology and Management Conference. Taipei, Taiwan.

Wang, H.-H., C.-R. Chiou, and C. Lin. Dec. 2004. The investigation for fire use behavior of residences in forest district (oral presentation), Mountain and Forestry Forum. Taipei, Taiwan.

Wang, H.-H., C.-R. Chiou, and C. Lin. Nov. 2004. The application of the theory of reasoned action to fire use behavior of farmers in Wu-Lin area (oral presentation), Chinese Forestry Association Academic. Ilan, Taiwan.

Wang, H.-H. and C.-R. Chiou. Oct. 2003. Development strategy in forestry knowledge management research (oral presentation), Application of the Information Technology to Agriculture Conference. Taipei, Taiwan.

VOLUNTEER SERVICE

U7 Assistant Coach, College Station Soccer Club, 501-C3 not-for-profit organization, College Station, Texas. Fall 2019 – Present.

U6 Head Coach, College Station Soccer Club, 501-C3 not-for-profit organization, College Station, Texas. Fall 2018 – Spring 2019.

U5 Head Coach, College Station Soccer Club, 501-C3 not-for-profit organization, College Station, Texas. Fall 2017 – Spring 2018.

Volunteer Judge, Student Research Week, Texas A&M University, College Station, Texas. 2015 - 2019.

Volunteer Judge, Ecological Integration Symposium, Texas A&M University, College Station, Texas. 2011, 2015 – 2019.

Volunteer Judge, Texas Junior Academy of Science, College Station, Texas. Oct. 2017.

Volunteer Judge, 2nd Annual Science Fair at Harmony Science Academy, Bryan/College Station, Texas. Nov. 2008.

Volunteer Story Reader, Municipal Xingan Elementary School, Taipei, Taiwan. Sep. 2004 – Jun. 2006.

Volunteer Tutor (Introduction of Natural Science and Mathematics), Neihu Vocational High School, Taipei, Taiwan. Sep. 1998 – Jun. 2006.