

Yin-Tse Huang

Postdoctoral fellow | Center for Ecological Research, Kyoto University
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EDUCATION

University of Florida , Gainesville, FL	2015 – 2019
PhD , School of Forestry and Resources Conservation	
Dissertation: Ecology and Metabolic Evolution of Bark-Beetle-Associated Fungi.	
Committee: Dr. Jiri Hulcr, Miroslav Kolařík, Matthew Smith, Jason Smith, and Jeffrey A. Rollins.	
National Chung Hsing University , Taichung, Taiwan	2009 – 2011
MS , Plant Pathology	
thesis: Identification of ophiostomatoid and allied fungi in Taiwan	
Committee: Dr. Chi-Yu Chen, Sung-Yuan Hsieh, Chuen-Hsu Fu, Chang-Hsin Kuo	
National Chung Hsing University , Taichung, Taiwan	2006 – 2009
BS , Plant Pathology	

RESEARCH INTERESTS

Ecology
Symbiosis
Community dynamics

RESEARCH EXPERIENCES

Postdoctoral researcher for Human Frontier Science Program (HFSP), Center for Ecological Research. Kyoto University.	Oct. 2019 – present
Visiting Scholar , United States Forest Service, Northern Research Station	Aug. 2016
Visiting Scholar , Institute of Microbiology, Czech Academy of Sciences	May, 2016
Research Assistant , SFRC, University of Florida	2015 – 2019
Research Assistant , Mycology Laboratory, Dept. Plant Pathology, NCHU	2012 – 2015
<i>Topics:</i> Mango Malformation in Taiwan, Fungi Barcoding Database in Taiwan, Fungal Quarantine Project.	
Internship , Taiwan Forestry Research Institute	Jul. 2010
Undergraduate thesis: Survey of leaf-colonizing fungi on Gramineae leaves	2007 – 2008

HONORS & AWARDS

Travel Funds , Mycological Society of America	\$500	2018
Travel Funds , Office of Research, University of Florida	\$120	2018

Travel Grant , SFRC, University of Florida	\$500	2018
Oral Presentation Award , Taiwan Entomology Society Annual Meeting		2017
Travel Grant , Institute of Food and Agricultural Sciences, University of Florida	\$250	2017
Margaret Walton Fellowship , University of Virginia	\$1400	2016
Graduate Research Assistantship Award , University of Florida		2015
Travel Grant , Mycological Society of Republic of China	\$300	2013
Travel Grant , Mycological Society of Republic of China	\$200	2013
Best Poster Award , 11th Asian Mycological Congress		2013
Oral Presentation Award , Mycological Society of Republic of China Annual Meeting		2012
Farmer Society Scholarship , Tainan Farmers' Association	\$1200	2005

TEACHING & EXTENSION

Teaching Assistant , Bark Beetle and Nematode Workshop. Huisun, Taichung, Taiwan	Oct. 2017
Lecturer , Mycological workshop for junior and high school teachers. Tunghai University, Taichung, Taiwan	Oct. 2014
Teaching Assistant , Plant Disease Diagnosis Training. NCHU, Taichung, Taiwan	Aug. 2014
Organizer , Plant Pathologist Fostering Project	Mar. 2013
Teaching Assistant , Plant Disease Diagnosis Training. NCHU, Taichung, Taiwan	Jul. 2013
Teaching Assistant , Plant Disease Diagnosis Training. NCHU, Taichung, Taiwan	Dec. 2012
Teaching Assistant , Mycology Course. NCHU, Taichung, Taiwan	2009 – 2011

SCHOLARLY REVIEWER SERVICE

Fungal Ecology
Scientific Reports
PLOS one

PUBLICATIONS

18. **Huang, Y.T.**, Skelton, J., and Hulcr, J. 2020. Lipids and small metabolites provisioned by ambrosia fungi to symbiotic beetles are phylogeny-dependent, not convergent. *The ISME Journal*. 14: 1089–1099.
17. **Huang, Y.-T.**, Eickwort, J., and Hulcr, J. 2019. Red Heart Disease in Pines Caused by *Porodaedalea* (*Phellinus*) *pini* in Florida. *EDIS University of Florida/IFAS*.
16. **Huang, Y.-T.** and Hulcr, J. 2019. *Geosmithia* species in Florida: a common fungal symbiont of wood-boring bark beetle. *EDIS University of Florida/IFAS*.
15. **Huang, Y.-T.**, Skelton, J., Johnson, A.J., Kolařík, M., Hulcr, J., 2019. *Geosmithia* species in southeastern USA and their affinity to beetle vectors and tree hosts. *Fungal Ecology*. 39: 168–183.
14. **Huang, Y.-T.**, Skelton, J., Hulcr, J., 2019. Multiple evolutionary origins lead to diversity in the metabolic profiles of ambrosia fungi. *Fungal Ecology*, From antagonism to mutualism: the chemical basis of insect-fungus interactions 38: 80–88.
13. Li, You, **Huang, Y.-T.**, Kasson, M.T., Maciasb, A.M., Skelton, J., Carlson, P., Yin, M., and Hulcr, J.

Specific and promiscuous ophiostomatalean fungi associated with Platypodinae ambrosia beetles in the southeastern United States. 2018. *Fungal Ecology*. 35: 42–50.

12. **Huang, Y.-T.**, Kolarik, M., Kasson, M.T., and Hulcr, J. 2018. Two new *Geosmithia* species in *G. pallida* species complex from bark beetles in eastern USA. *Mycologia*. 109(5): 790–803.
11. Na, F., Carrillo, J.D., Mayorquin, J.S., Ndinga-Muniania, C., Stajich, J.E., Stouthamer, R., **Huang, Y.-T.**, Lin, Y.-T., Chen, C.Y., Eskalen, A., 2018. Two novel fungal symbionts *Fusarium kuroshium* sp. nov. and *Graphium kuroshium* sp. nov. of Kuroshio shot hole borer (*Euwallacea* sp. nr. *forficatus*) cause *Fusarium* dieback on woody host species in California. *Plant Disease*. 102(6): 1154–1164.
10. Bateman, C, **Huang, Y.-T.**, Simmons, D. R., Kasson, M.T., Hulcr, J. 2017. Ambrosia beetle *Premnobius cavipennis* (Scolytinae: Ipini) carries highly divergent ascomycotan ambrosia fungus, *Afroraffaelea ambrosiae* gen. nov. et sp. nov. (Ophiostomatales). *Fungal Ecology*. 25: 41–49.
9. Li, You, Gu, Xinyao, Kasson, M.T., Bateman, C., Guo, Jianjun, **Huang, Y.-T.**, Li, Qiao, Rabaglia, R. J., Hulcr, J. 2016. Distribution, host records and symbiotic fungi of *Euwallacea forficatus* (Eichhoff) (Coleoptera: Curculionidae: Scolytinae) in China. *Florida Entomologist*. 99 (4): 801–804.
8. Simmons, D.R., de Beer, Z. W., **Huang, Y.-T.**, Bateman, C., Campbell, A.S., Dreaden, T.J., Li, Y., Ploetz, R.C., Black, A., Li, H.-F., Chen, C.-Y., Wingfield, M.J., Hulcr, J. 2016. New *Raffaelea* species (Ophiostomatales) from the USA and Taiwan associated with ambrosia beetles and plant hosts. *IMA Fungus*. 7 (2): 265–273.
7. **Huang, Y.-T.**, Lucky, A., Hulcr, J., and Johnson, A. 2016. A Bark Beetle *Hypothenemus eruditus* Westwood, 1836 (Insecta: Coleoptera: Curculionidae: Scolytinae). *EDIS University of Florida/IFAS*.
6. Lin, Y.-T., Shih, H.-H., **Huang, Y.-T.**, Lin, C.-S., Chen, C.-Y., 2016. Two species of beetle-associated *Geosmithia* in Taiwan. *Fungal Science* 31: 29–36.
5. Wu, Y.-F., **Huang, Y.-T.**, Chang, C.-H., Cheng, A.-H., and Chen, C.-Y. 2015. Mango Malformation Disease. Proceedings of the Symposium on Important New Emerging Crop Diseases in Taiwan and Their Controls. 184: 43–50.
4. Huang, J.W., Chen, C.Y. and **Huang, Y.-T.** 2014. Introduction of Plant Diseases and Fungal Pathogens. *Science Study Monthly*. 53 (2): 2–11.
3. **Huang, Y.-T.** and Chen, C.Y. 2014. *Leptographium globosum* sp. nov., a new species with globose conidia. *Mycological progress*. 13 (3): 841–848.
2. **Huang, Y.-T.** and Chen, C.Y. 2013. *Ophiostoma denticiliatum*, a new record in Taiwan. *Fungal Science*. 28 (1): 31–38.
1. **Huang, Y.-T.** and Chen, C.Y. 2010. Two *Thielaviopsis* species on carrots in Taiwan. *Fungal Science* 25(2): 69–74.

INVITED TALKS

4. Ambrosia fungi: Food of the Gods. FALAFEL mycology club. University of Florida. July 2019.
3. Multiple evolutionary origins lead to diversity in the metabolic profiles of ambrosia fungi. IMC11 at San Juan, Puerto Rico. 2018
2. *Geosmithia* survey in the southeastern US. United States Forest Service, Northern Research Station. 2016.
1. *Geosmithia* survey in the southeastern US. Institute of Microbiology, Czech Academy of Sciences. 2016.

PRESENTATIONS & POSTERS

10. **Huang, Y.-T.**, Skelton, J., and Hulcr, J. 2018. Multiple evolutionary origins lead to diversity in the metabolic profiles of ambrosia fungi. Oral presentation at Taiwan Entomology Society Annual Meeting. Tainan, Taiwan.
9. **Huang, Y.-T.**, Skelton, J., and Hulcr, J. 2018. Multiple evolutionary origins lead to diversity in the metabolic profiles of ambrosia fungi. Oral presentation at International Mycological Congress 11 (IMC11). San Juan, Puerto Rico.
8. **Huang, Y.-T.**, Matthew T. Kasson, Angie M Macias, Miroslav Kolařík, Jiri Hulcr. 2017. *Geosmithia* survey in the southeastern US. Oral presentation at Taiwan Entomology Society Annual Meeting. Taichung, Taiwan.
7. **Huang, Y.-T.**, Matthew T. Kasson, Angie M Macias, Miroslav Kolařík, Jiri Hulcr. 2017. *Geosmithia* survey in the southeastern US. Oral presentation at the Mycological Society of America Annual Meeting. Athens, GA, USA.
6. **Huang, Y.-T.**, Matthew T. Kasson, Angie M Macias, Miroslav Kolařík, Jiri Hulcr. 2017. *Geosmithia* survey in the southeastern US. Oral presentation at the SFRC Grad Student Symposium. Gainesville, Florida, USA.
5. **Huang, Y.-T.**, Li, H.Y., Shih, H. H., Lin, Y.T., and Chen, C.Y. 2014. Ophiostomatoid fungi in Taiwan. Oral presentation at the Conference on Mycological Resources for Sustainable Utilization. Taipei, Taiwan.
4. **Huang, Y.-T.** and Chen, C.Y. Three new species of ophiostomatoid fungi from Taiwan. 2013. Poster at the Asian Mycological Congress, Mycological Society of China. Beijing, China.
3. **Huang, Y.-T.** and Chen, C.Y. 2013. *Graphium* and allied fungi in Taiwan. Oral presentation at the Cross-Strait Symposium on Mycology, Mycological Society of China. Beijing, China.
2. **Huang, Y.-T.** and Chen, C.Y. 2012. *Graphium* and allied fungi in Taiwan. Oral presentation at the Annual Meeting, Mycological Society of Republic of China. Taipei, Taiwan.
1. **Huang, Y.-T.** and Chen, C.Y. 2010. Phialidic anamorphic fungi with long collarette. Oral presentation at the Annual Meeting, Mycological Society of Republic of China. Taichung, Taiwan.

MEMBERSHIP

Member, Mycological Society of Taiwan, since 2008

Member, Mycological Society of America, since 2017

Member, Florida Academic Lichen and Fungi Enthusiasts League, since 2017