

# Kanan Saikai (Kutsuwa)

Location: Wisconsin, USA.

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## Profile

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I am currently a PhD candidate in the Department of Plant Pathology at the University of Wisconsin-Madison under the supervision of Dr. Ann E. MacGuidwin. I received my M.S. in Plant Nematology at the University of Florida, advised by Dr. Donald W. Dickson. My research is focused on plant-parasitic nematodes, its biology and modeling damage functions on economic crops. I am particularly interested in education and extension for growers.

## Education and Research Interests

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### The University of Wisconsin-Madison – Fall, 2014 to present

- Plant Pathology PhD
- Advisor: Dr. Ann E. MacGuidwin
- GPA: 3.66
- PhD thesis: Characterizing the significance of *Pratylenchus penetrans* on soybean (*Glycine max* (L.) Merr.).

### The University of Florida – Fall, 2012 to Spring, 2014

- Nematology M.S.
- Advisor: Dr. Donald W. Dickson
- GPA: 3.92
- M.S. thesis: Investigation of *Belonolaimus longicaudatus* infecting peanut in Florida.

### Hosei Univestiy – Spring, 2008 to Spring, 2012

- Plant Pathology B.S.
- Advisor: Dr. Hiromichi Horie
- B.S. thesis: Characterization of *Colletotrichum* spp., *Phytophthora nicotianae*, and *Corynespora cassicola* on tropical fruits in Hachijo Island, Japan.

## Publications

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- Saikai, K., and A. E. MacGuidwin. 2018. Modeling the damage function of *Pratylenchus penetrans* on soybean using a nested error component model. *Journal of Nematology* 50:654 (Abstr.).
- Kutsuwa, K., and A. E. MacGuidwin. 2017. Gender difference in lesion formations by *Pratylenchus penetrans*. *Journal of Nematology* 49: 508-509 (Abstr.).
- Kutsuwa, K., D. W. Dickson, J. A. Brito., A. Jeyaprakash, and A. Drew. 2014. *Belonolaimus longicaudatus*, an emerging pathogen of peanut in Florida. *Journal of Nematology* 47:87-96.
- Kutsuwa, K., D. W. Dickson, J. A. Brito., A. Jeyaprakash, and A. Drew. 2014. Investigation of an emerging pathogen, *Belonolaimus* sp., infecting peanut in Florida. *Journal of nematology* 46:191(Abstr.).
- Takeuchi, J., T. Ono., K. Kutsuwa., K. Morita., M. Sano., S. Kagiwada., K. Yazawa., K. Nishio., and H. Horie. 2012. First report of anthracnose of *arthraxon hipidus* by

*Colltotichum destructivum* and lychee by *C. gloeosporioides* found in Japan. Annual report of the kanto-tosan plant protection society 59:59-62.

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### **Skills**

- Nematode disease diagnostics
- Fungal disease diagnostics
- PCR, Cloning, and Sequence analysis
- SAS and R programming languages
- Scanning Electron Microscopes

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### **Awards**

- Scholarship award from Japan Student Services Organization 2015-2018
- Scholarship award from Japan Student Services Organization 2012-2014
- Bayer Graduate Student Travel Award to attend the annual meeting of Society of Nematologists in 2018.
- The Dow AgroSciences Graduate Student Travel Award to attend the annual meeting of Society of Nematologists in 2017.
- The ONTA Foundation Travel Award to attend the 6<sup>th</sup> International Congress of Nematology-2014

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### **Teaching**

- T.A. for PL Path/ Botany 123 Plants, Parasites, and People - Fall 2016

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### **Committee**

- Extension committee of Society of Nematologists – 2018-2019
- Student committee of Society of Nematologists – 2018-2019

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### **Conference Presentation**

- Annual meeting of Society of Nematologists in Albuquerque, NM, 2018.  
Modeling disease function of *Pratylenchus penetrans* on soybean using the nested error component model.
- Annual meeting of Society of Nematologists in Williamsburg, VA., 2017.  
Gender difference in lesion formations by *Pratylenchus penetrans*.
- 6<sup>th</sup> International Congress of Nematology in Cape Town, South Africa. 2014.  
Investigation of an emerging pathogen, a sting nematode, infecting peanut in Florida.