**Curriculum vitae**

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**Education:**

* Undergraduate: Biotechnology, 2010-2014. Department of Biotechnology, College of Agriculture, Hainan University. Haikou 570228, P. R. China.
* Master: Biochemistry and Molecular Biology, 2014-2016. Institute of Tropical Agriculture and Forestry, Hainan University. Haikou 570228, P. R. China.
* Ph.D.: Biochemistry and Molecular Biology, 2016-present. School of Life and Pharmaceutical Sciences, Hainan University. Haikou 570228, P. R. China.
* Visiting Ph.D. Student: Entomology, 2019-present. Department of Entomology, University of California, Riverside. Riverside 92507, CA, USA

**Awards and honors:**

* Excellent Graduate Student by Hainan University, Haikou, P. R. China, 2019
* Chinese Government Scholarship by China Scholarship Council, P. R. China, 2019
* National Scholarship by Ministry of Education of the P. R. China, 2018
* National Encouragement Scholarship by Education Department of Hainan Province, 2013
* The Second Prize Scholarship by Hainan University, Haikou, P. R. China, 2011
* Merit Student by Hainan University, Haikou, P. R. China, 2011
* Certification of honor and appreciation for **Lan, J.,** 2017. At the 5th International Forum for Surveillance and Control of Mosquito and Mosquito Borne Diseases, Nanjing, P. R. china, 2017
* Excellent Paper Award for **Lan, J.,** 2018. At the 7th International Forum for Sustainable Vector Management, Ningbo, P. R. china, 2018
* Excellent Report Award for **Lan, J.,** 2018. At the 7th International Forum for Sustainable Vector Management, Ningbo, P. R. china, 2018
* Certification of honor and appreciation for **Lan, J.,** 2019. At the 6th International Forum for Surveillance and Control of Mosquito and Mosquito Borne Diseases, Xiamen, P. R. china, 2019

**Practice experience:**

1. Institute of Tropical Bioscience and Biotechnology, Chinese Academy of Tropical Agricultural Science, Haikou 571101, P. R. China. **Trainee**: May 2012-Sept., 2012.
2. Journal of Zhejiang university-SCIENCE B, Haikou 571101, P. R. China. **Part time editor**: Feb., 2017-Dec., 2017.

**Publications and Patent:**

1. **Lan, J.,** Liu, Z., Liao, C., Merkler, D., Han, Q and Li, J. A Study for Therapeutic Treatment against Parkinson’s disease via Chou’s 5-steps Rule. Current Topics in Medicinal Chemistry,

2019, 19:1-16.

1. **Lan, J.,** Wang M., Ding S., et al. Simultaneous detection of carbofuran and 3-hydroxy-carbofuran in vegetables and fruits by broad-specific monoclonal antibody-based ELISA. Food and Agricultural Immunology, 2019, 30(1): 1085-1096.
2. **Lan, J.,** Zhao, H., Jin, X., Guan, H., Song, Y., Fan, Y., et al., Development of a monoclonal antibody-based immunoaffinity chromatography and a sensitive immunoassay for detection of spinosyn A in milk, fruits, and vegetables. Food Control, 2019, 95:196-205.
3. **Lan, J.,** Ren, X., Liao, C., Cheng, J., Wu, Y., Wang, W., et al., Effects of ivermectin and spinetoram on the yellow fever mosquitoes, *Aedes aegypti*. Chinese Journal of Veterinary Medicine, 2016, (12):7-9.
4. Liao, C., **Lan, J.,** Zhang, L., Han, Q., Zika virus-new threat to the health of human and animal, Chinese Journal of Veterinary Medicine, 2016, 52(04):64-76.
5. Yang, C., Zhang, L., Han, Q., Liao, C., **Lan, J.,** & Ding, H., et al., Kynurenine aminotransferase 3/glutamine transaminase l/cysteine conjugate beta-lyase 2 is a major glutamine transaminase in the mouse kidney. Biochemistry & Biophysics Reports, 2016, 8:234-241.

**Patent**

1. Zhao, H., **Lan, J.,** et al., Antibodies that can simultaneously recognize carbofuran and its metabolites and their preparation methods and applications, 201910239341.7, March 27, 2019
2. Han, Q., Zhao, H., **Lan, J.,** et al., A hapten of spinosad and its preparation methods and appilication. Patent number: ZL201710158823.0, July 21, 2017

**Meeting:**

1. **Lan, J.,** A CRISPR/cas9 mediated mutation in nicotinic acetylcholine receptor a6 confers resistance to spinosad in *Aedes aegypti*. The 6th international forum for surveillance and control of mosquito and mosquito borne diseases. Xiamen, China, April 27-30, 2019. *Oral report in English*
2. **Lan, J.,** Mutation in nicotinic acetylcholine receptor a6 using CRISPR/cas9 in *Aedes aegypti* confers resistance to spinosad. The 2nd forum for prevention and control of tropical vector-borne diseases and vectors. Boao, China, April 8-10, 2019. *Oral report*
3. **Lan, J.,** Development of a monoclonal antibody-based immunoaffinity chromatography and a sensitive immunoassay for detection of spinosyn A. The 7th International Forum for Sustainable Vector Management. Ningbo, China, October 22-24, 2018. *Oral report*
4. **Lan, J.,** Study on the mechanism of metabolism of spinosad in *Aedes aegypti*. The 1st forum for prevention and control of tropical vector-borne diseases and vectors. Haikou, China, April 21-24, 2018. *Oral report*
5. **Lan, J.,** A sensitive indirect competitive enzyme-linked immunosorbert assay to determine spinosad, a larvicide of mosquitoes. The 5th international forum for surveillance and control of mosquito and mosquito borne diseases. Nanjing, China, May 22-24, 2017. *Oral report in English*

**Project (Take charge of):**

* the project of Postgraduate innovation research project of general higher education in Hainan province, master, 2015(hys2015-06).
* the Graduate student practice innovation project of Hainan University, master, 2015
* the project of Postgraduate innovation research project of general higher education in Hainan province, Ph.D, 2017(hyb2017-24).