

# Resume of Xin Du

## **Basic Information**



School :	School of Life and Health Sciences
Gender:	Female
Date of Birth:	198302
Title:	Associate Professor
Education:	Ph.D of Biology
Tutor:	Master degree
E-mail:	99023801@qq.com
Interest of research:	Biological Engineering,Biology and Medicine

## **Academic Background**

From September 2001 to July 2005, Wuhan Institute of Technology , Bachelor's degree in Biological Engineering;

From September 2005 to July 2008, Central China Normal University, Master's degree of Microbiology;

From September 2008 to July 2012, Central China Normal University, Ph.D of Pesticide Science.

## **Representative Projects**

- 1.National Natural Science Foundation of China "High throughput screening of sterol carrier protein2 inhibitors in *Helicoverpa armigera*",China, Project leader.
2. Hubei University of Technology Teaching Research Project "Innovative research on practical teaching of bioengineering major under 721-model", Project leader.
- 3.Wuhan Science and Technology Bureau "Research on the key technology of microbial transformation of biorenewable resources to prepare plant cultivation substrate".
- 4.Wuhan Science and Technology Bureau "Study on key techniques of microbial fermentation for glutathione production".
- 5.Hubei Provincial Science Technology Department "Pilot test of key technology of yam resource development"

## **Representative Articles**

- 1.Cai Jun, Du Xinkai, Wang Changgao, Lin Jianguo,Du Xin\*. Identification of potential *Helicoverpa armigera* (Lepidoptera: Noctuidae) sterol carrier protein-2 inhibitors through high-throughput virtual screening. *Journal of Economic Entomology*, 110(4),2017,1779-1784.

2.Xin Du, Haihao Ma, Xin Zhang, Kaiyu Liu, Jianxin Peng, Que Lan\*, Huazhu Hong\*, Characterization of the sterol carrier protein-x/sterol carrier protein-2 gene in the cotton bollworm *Helicoverpa armigera*, *Journal of Insect Physiology*, 58(11):1413-23, 2012.

3.Xin Du, Xiaojuan Li, Yin Wang, Jianxin Peng, Huazhu Hong\*, Hong Yang\*, Phylogenetic Diversity of Nitrogen Fixation Genes in the Intestinal Tract of *Reticulitermes chinensis* Snyder, *Curr Microbiol*, 65:547 - 551, 2012.

4.Xin Du, Leng Han, An-Yuan Guo, Zhongming Zhao\*, Features of methylation and gene expression in the promoter-associated CpG islands using human methylome data, 598987, 10.1155, 2012.

### **Authorized patents**

1.A kind of sterol carrier protein 2 inhibitor of cotton bollworm and its virtual screening method

2.Preservation method of sterol carrier protein-2 in *Helicoverpa armigera*.

3.A potential inhibitor of sterol carrier protein 2 in cotton bollworm