**CURRICULUM VITAE**

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| **Personal Information** | | | | | 郭爱玲 |
| Name | Guo Ailing | Gender | Female | |
| Position Title | | Professor | | |
| Working Department | | College of Food Science & Technology | | |
| Email | [guoailing@mail.hzau.edu.cn](mailto:guoailing@mail.hzau.edu.cn) | | | |
| Address | Department of Food Microbiology & Safety,  College of Food Science & Technology,  Huazhong Agricultural University, WuHan 430070，  P. R. China | | | |
| Tel | 027-65111819, 15342241896 | | Fax |  | |
| **Research Interest** | | | | | |
| * Microbiological safety of fresh produce, rapid detection of microorganisms from agricultural products, food safety management and control systems. * The laboratory has collected 600 strains of 13 genera of pathogenic bacteria. | | | | | |
| **Professional Memberships** | | | | | |
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| **Other Roles** | | | | | |
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| **Education & Working Experience** | | | | | |
| ***Education***  **MS** in **Microbiology** ---------------------------------------------------------------------------1996  College of Life Science, Wuhan University---------------------------Sept. 1993- July, 1996  **BS** in Biology-------------------------------------------------------------------------------------1986  Dept. of Biology, Henan Normal University-----------------------------Sept. 1982- July1986  ***Work History***  **Huazhong Agricultural University** ----------------------------------------Oct.2002~ present  Academic Advisors for six to eight undergraduate students each year. Directing respective undergraduate research.  Teaching undergraduate courses, including “Food Microbiology”, “Modern food biological technology” and “Food safety and Hygiene” and graduate level course “Food Safety”  **Wuhan Center for Diseases Prevention &Control**---------------------July1996~Oct.2002  Microbial Detection for Food, beverage, and Cosmetics products  Detection and Diagnosis of Food-borne disease including *Listertia*, *Shigella ,Salmonella,Vibrio*  Detection and Diagnosis of Communicable diseases such as *Cholera, meningitis, Legionella.*    **Xinyang Normal University**------------------------------------------------July 1986- Sept. 1993  Teaching undergraduate courses, including “Microbiology”,“Biochemistry” | | | | | |
| **Publications** | | | | | |
| **1.** Ling Wang, Junxian Zhang, Haili Bai, Xuan Li, Pintian Lv & Ailing Guo\*.  Specific Detection of Vibrio Parahaemolyticus by Fluorescence Quenching Immunoassay Based on Quantum Dots. Applied Biochemistry and Biotechnology, 2014, 7:1073-1082  (SCI IF：1.897)  **2.** Xuan Li, Pintian Lv, Ling Wang, Ailing Guo\*, Meihu Ma\*, Xiaobao Qi. Application of high resolution pyrolysis gas chromatography / mass spectrometry (HRPGC/MS) for detecting *Listeria monocytogenes*. Journal of Chromatography B. Analytical Technologies in theBiomedical and Life Sciences，2014，11:107-111 (SCI IF：2. 684)  **3. Guo ai-ling**, Liu ting, Xie ji, Hongjiang Wang, Hong Yang, Huaying Zheng, Ting Chen, MinZhang, Meihu Ma. Tracing the food sources of isolated strains of Listeria monocytogenes through fatty acid profiles analysis,  International Journal of Food control ，2010，21：1092-1098 （SCI IF：2.81）  **4. Ailing Guo**\*, Hongli Sheng, Min Zhang, Renwei Wu and Ji Xie. Development and Evaluationof a Colloidal Gold Immunochromatography Strip for Rapid Detection of Vibrio parahaemolyticus in Food ，Journal of FoodQuality ，2012，35：366–371 (SCI IF：0.54)  **5. Guo ai-ling**, Zheng hua-ying, Ma ai-min, Yu gong-bao, Lu jun, Qin qiao-ling,Wang zhen.Studies on the whole cell of *Salmonella* by pyrolysis-gas chromatography-mass spectrometry， Chinese journal of analytical chemistry. 2007，35 (5): 700- 702（**SCI IF**：**0.633**）  **6.** Wang hong-jiang, Liu ting, Xie ji, Su wan-yuan, **Guo ai-ling**\*, Cai zhao-xia．Study of CdSQuantum Dots Synthesized and Coupled with *Listeria monocytogenes* Antibody IgG, *Chinese* *journal of analytical chemistry*. 2010，38（5）：632-637（**SCI IF**：**0.79**）  **7.** Ren Guo-dong, **Guo Ai-ling\***, Geng Fang, Ma Mei-hu\*, Huang Qun, Wu Xiao-fen.  Study of the Effect of Temperature on the Conformation of Ovotransferrin by Two-Dimensional Infrared Correlation Spectroscopy. Spectroscopy and Spectral Analysis.2012，7：1780-1784（**SCI**）  **8.** Su Jing, Li Xiao-Jing, Wei Yan-Yan, LiuTing, **Guo Ai-Ling\***.Determination of Listeria Monocytogenes inAgricultural Products By-High Resolution Pyrolysis Gas Chromatography-Mass Spectrometry. Chinese Journal of Analytical Chemistry.2013，41（2）：187-192（**SCI IF**：**0.633**）  **9.Guo ailing**, Zheng huaying, Ma aimin, Wang peipei, Yu gongbao, Lu jun. Analysis of cellar fatty acids ofgram-negative pathogenic bacteria by Gas Chromatograph. Food Science.2006, 27(10):458-461  **10. Guo ailing**, Fang chengxiang, Kuang yubin, Tao tiansheng, Yue yingyu, Zhang luozhen.Analysis on thecompositions of cellular polar lipids or type strains of *Bacillus*. Journal of Analytical Science.2002, 18(2):127-128 **11**. **Guo ai-ling**, Xie Ji, Su wan-ai, Wang hong-jiang, Liu ting, Wang sheng, Ma meihu .Application of RAPD inHomology Analysis of *Salmonella*. Food Science.2008.29 (4):355-357  **12. Guo ailing**, Hou jiakui, wan peng, et al. Establishment of RAPD Identification Method for*Shigella*. Jurnal ofnhui Agriculture Science.2008, 36(11):4455-4456, 4469  **13.Guo ailing**, Hou jiakui, Wang chunchao, et al.How to develop the study of students innovation experimentteaching. Journal of Agricultural Sciences.2008, 5:104-105   1. Lv jun, Qin qiaoling, Su wanyuan, **Guo ailing\***,Liang gaodao,Zheng huaying .Application of GC-MS in identification of food borne pathogens. FoodScience.2008, 2:355-358 2. Qin qiaoling, Su wanyuan, Lv jun, **Guo ailing\***.Application of GC-MS in analysis on cellar fatty acids of *Shigella*. Chinese Journal of health inspection.2008, 3:426-428 3. Li hong-ping, **Guo ai-ling\***,Zheng hua-ying. Dynamic research and safety evaluation of hypertoxic organphosphorus esticide residues in vegetables. Chinese Journal of Health Laboratory Technology, 2006, 5(16):542-544 4. Yu gong-bao, **Guo ailing\***, Qin Qiao-ling, LU Jun, Wang Zhen. Screening of High Nattokinase Activity Producing Strain and Optimization of Fermentation Conditions.Food Science.2007, 28(4):227-231 5. Bai jing, **Guo ailing\***.Monitoring and analysis on pidemic status of important pig disease. Journal of Henan Agricultural Sciences.2007 (6):126-127 6. Bai jing, Yu xinhe, **Guo ailing**.Research of rapid diagnosis of chicken Marek’s disease by co-agglutination test. Journal of Henan Agricultural Sciences.2006, 3:105-108 7. Wang zhen, **Guo ailing\***, Feng li. Advances in the research of biological control of bacterial wilt. Chinese Journal of biological control.2007, S1:82-86 8. Wang Zhen, **Guo Ailing**,Feng Li.Applications of Green Fluorescent Protein Gene in the Study of Plant Disease. Chinese Agricultural Science Bulletin.2007, 6(23):493-496 9. Chen zhongjie, **Guo ailing\***.Production and application of hyaluronic acid. Journal of Henan chemical industry.2007, 7:48-49 10. Zhang chunling, **Guo ailing\***.Purification and identification of γ- PGA in Natto. The processing of agricultural products (Journal).2007, 7:48-49 11. Su wanyuan, Hou jiakui,Liu ting, **Guo ailing\***,Wang hongjiang, Xie ji,Ma meihu. Optimization of RAPD PCR conditions of *Salmonella*. Food Science.2009, 10:320-323 12. Zhao hui, Li jiayong,Li jing,Guo mingxing,Wang zhenhua,Chen jianjun,Xu xinsheng,Yin chao,Hu zhiquan, **Guo ailing\***. Analysis on cellar fatty acids of*Listeria monocytogenes*by GC-MS. Journal of chemical andbiological engineering.2008, 11:65-71 13. Wang hongjiang, Xi ji, Liu ting, Chen ting, Ma meihu, Zhang min, **Guo ailing\***.Progress of comprehensive development and application research of porcine blood. Journal of Meat Research.2009, 12:81-87 14. Li xiaojing, Zhao hui, Su jing, **Guo ailing\***, Zhang yu. Etablishment of screening and detection methods of virulence gene of *Vibrio parahaemolyticus* isolates in freshwater crayfish. Food Science.2011，18：264~267   **27.** Li pinglan,He zhi. Food microbiology experiment principle and technique[M].Beijing:China Agriculture Press.2005, 157-175 | | | | | |
| **Additional Information** | | | | | |
| ***Research Projects***  Principal Investigator, “Detection and characterization of *Listeria monocytogenes* in agricultural  products by HRPGC / MS system” (Project No.: 30871955). National Natural Science Foundation of China, 2008.01-2011.12  Principal Investigator, “Development and industrial demonstration of egg deep processes technologies” (Project No.: 2006-G36). Ministry of Agriculture, China, 2006.01-2008.12  Principal Investigator, “Integration of microbial resources for agronomy education” (Project  No.:2005DKA21208-6, 2006DKA21208-6). Ministry of Science and Technology, China. 2005.01-2006.12  Principal Investigator, “Rapid identification of enteric pathogens in food by chemical classification method”, Bureau of Health of Wuhan Municipality, 2002-2006  Principal Investigator, “Development & extension: Egg product processing technologies and egg quality assessment” (Project No. 201303084). Ministry of Agriculture, China. (2013-2017)  PI. “Microbiological standarization for quality control in konjac glucomannan and konjaku flour production” Source，Hubei Konson Konjac Gum Co.,LTD (2013.01-2013.12)  PI. “Technologies for textile inspection”. Source，Wuhan Center for DiseasesPrevention &Control. (2012.01-2012.12) | | | | | |