

## Professor YANG Zhenquan

College	College of Tourism & Cuisine College of Food Science and Engineering
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	1994.9-1998.6 , Yangzhou University , Food Engineering, B.Sc. 2001.9-2004.6, Yangzhou University, Molecular Biology, M.Sc. 2006.9-2010.6, Yangzhou University, Food Safety and Zoonosis, Ph.D.
Research Interests	Food quality and safety
Selected Publications	<ol style="list-style-type: none"> <li>1) <b>Zhen-quan Yang</b>, Xiao-ya Tao, Hui Zhang, Sheng-qi Rao, Lu Gao, Zhi-ming Pan, Xin-an Jiao. Isolation and characterization of lytic phages against <i>Shewanella baltica</i> and <i>Shewanella putrefaciens</i>, and their application for biopreservation of chilled channel catfish (<i>Ictalurus punctatus</i>). <i>International Journal of Food Microbiology</i>, 2019, 292: 107–117.</li> <li>2) Yu Xue, Dong-lei Jiang, Qin Hu, Sheng-qi Rao, Lu Gao, <b>Zhen-quan Yang*</b>. The electrochemical magnetic beads-based immunosensor for rapid and quantitative detection of probiotic <i>Lactobacillus rhamnosus</i> in dairy products. <i>Food Analytical Methods</i> , 2019, 12: 1197–1207.</li> <li>3) Qin Hu, Lu Gao, Sheng-qi Rao, Tao Li, <b>Zhen-quan Yang*</b>, Wei-ming Fang, Rui-xia Gu, Xiaojuan Gong. Nitrogen and chlorine dual-doped carbon nanodots for determination of curcumin in food matrix via inner filter effect. <i>Food Chemistry</i>, 2019, 280: 195–202</li> <li>4) <b>Yang Zhen-quan</b>, Wei Yong-feng, Rao Shen-qi, Gao Lu, Yin Yong-qi, Xue Feng, Fang Wei-ming, Gu Rui-xia, Jiao Xin-an. Immunomagnetic separation combined with colony immunoblotting for detection of</li> </ol>

piliated *Lactobacillus rhamnosus* strains. Journal of Applied Microbiology, 2016, 121: 1406-1415.

- 5) **Yang Zhen-quan**, Meng Xia, Breidt Frederick, Jr., Dean Lisa, Arritt Fletcher. Effects of acetic acid and arginine on pH elevation and growth of *Bacillus licheniformis* in an acidified cucumber juice medium. Journal of Food Protection, 2015, 78(4): 728-737
- 6) **Yang Zhen-quan**, Jin Cai-juan, Gao Lu, Fang Wei-ming, Gu Rui-xia, Qian Jian-ya, Jiao Xin-an, Alleviating effects of *Lactobacillus* strains on pathogenic *Vibrio parahaemolyticus*-induced intestinal fluid accumulation in the mouse model, FEMS Microbiol Lett, 339(1), pp 30-38, 2013
- 7) El-Malah Shimaa S., **Yang Zhen-quan**, Hu Mao-zhi, Li Qiu-chun, Pan Zhi-ming, Jiao Xin-an. *Vibrio parahaemolyticus* strengthens their virulence through modulation of cellular reactive oxygen species in vitro, Frontiers in Cellular and Infection Microbiology, 2014, 4.
- 8) **Yang Zhen-quan**, Jiao Xin-an, Li Ping, Pan Zhi-ming, Huang Jin-lin, Gu Rui-xia, Fang Wei-ming, Chao Guo-xiang. Predictive model of *Vibrio parahaemolyticus* growth and survival on salmon meat as a function of temperature. Food Microbiology, 2009(26): 606-614.
- 9) **Yang Zhen-quan**, Jiao Xin-an, Zhou Xiao-hui, Cao Guo-xiang, Fang Wei-ming, Gu Rui-xia. Isolation and molecular characterization of *Vibrio parahaemolyticus* from fresh, low-temperature preserved, dried, and salted seafood products in two coastal areas of eastern China. International Journal of Food Microbiology, 2008, 125(3): 279-285
- 10) **Yang Zhen-quan**, Liu Qiao-quan, Pan Zhi-ming, Yu Hen-xiu, Jiao Xin-an. Specific expression of fusion protein of Newcastle Disease Virus in transgenic rice seeds and its immunogenicity in mice. Vaccine, 2007, 25 (2) : 591-598

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