

## Yifan Zhang, Ph.D.

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Department of Nutrition and Food Science

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### PROFESSIONAL APPOINTMENTS

- 2008-present Assistant Professor, Department of Nutrition and Food Science, WSU  
2006-2008 Post-doctoral Researcher, Food Animal Health Research Program, Ohio Agricultural Research and Development Center (OARDC), The Ohio State University  
2006 Research Associate, WTO Sanitary/Phytosanitary (SPS) leadership development program, Joint Institute for Food Safety and Applied Nutrition (JIFSAN), University of Maryland

### EDUCATION

- Ph.D. Food Science/Food Microbiology, University of Maryland, College Park.  
M. Med. Nutrition and Food Hygiene, Chinese Center for Disease Control and Prevention, Beijing, China  
B. Med. Preventive Medicine, Shandong Medical University, Jinan, China

### HONORS AND AWARDS

- 2012 Excellence in Teaching Award, College of Liberal Arts and Sciences, WSU  
2011 ASM International Professorship Award, American Society for Microbiology  
2011 Educational Development Award, WSU  
2010 University Research Award, WSU

### TEACHING RESPONSIBILITIES

- 2009-present NFS 2130 Intro Food Science (Fall and Winter)  
NFS 4150 Advanced Food Science (Winter)  
NFS 6030 Microbial Food Safety (Fall)

### PROFESSIONAL SERVICES

- 2014-2016 Editorial board member of *Journal of Food Protection*  
2012 - WSU Faculty representative of Great Lakes Section IFT  
2010 - Faculty advisor of the WSU Chapter of Phi Tau Sigma Honorary Society

### PEER-REVIEWED PUBLICATIONS

1. Bhargava, K., D. Conti, S. da Rocha, and **Y. Zhang**. Application of an oregano oil nanoemulsion to the control of foodborne bacteria on fresh lettuce. *Food Microbiology*. 2015, 47: 69-73
2. Sun, X., S. Sun, C. Ference, W. Zhu, N. Zhou, **Y. Zhang**, and K. Zhou. A potent antimicrobial compound isolated from *Clathria cervicornis*. *Bioorganic & Medicinal Chemistry Letters*. 2015, 25(1): 67-69
3. Sun, X., S. Sui, C. Ference, **Y. Zhang**, S. Sun, N. Zhou, W. Zhu, and K. Zhou. Antimicrobial and mechanical properties of  $\beta$ -cyclodextrin inclusion essential oils-chitosan film. *Journal of Agricultural and Food Chemistry*. 2014, 62(35): 8914-8918

4. Bhargava, K. and **Y. Zhang**. Characterization of methicillin-resistant coagulase-negative Staphylococci (MRCoNS) in retail meat. *Food Microbiology*. 2014, 42: 56-60
5. Sun, X., J. Bai, C. Ference, Z. Wang, **Y. Zhang**, J. Narciso, and K. Zhou. The antimicrobial activity of controlled-release chlorine dioxide gas on fresh blueberries. *Journal of Food Protection*. 2014, 77(7): 1127-1132.
6. Talreja, D., C. Muraleedharan, G. Gunathilaka, **Y. Zhang**, K. S. Kaye, S. K. Walia, and A. Kumar. Virulence properties of multidrug resistant ocular isolates of *Acinetobacter baumannii*. *Current Eye Research*, 2014, 39(7): 696-704.
7. Gao R., P. Jing, S. Ruan, **Y. Zhang**, S. Zhao, Z. Cai, and B. Qian. Removal of off-flavors from radish (*Raphanus sativus* L.) anthocyanin-rich pigments using chitosan and its mechanism(s). *Food Chemistry*. 2014, 146: 423-428.
8. Shen, J., L. Rump, **Y. Zhang**, Y. Chen, X. Wang, and J. Meng. Molecular subtyping and virulence gene analysis of *Listeria monocytogenes* isolates from food. *Food Microbiology*. 2013, 35: 58-64
9. da Rocha, L., G. Gunathilaka, and **Y. Zhang**. Antimicrobial-resistant *Listeria* species from retail meat in metro Detroit. *Journal of Food Protection*. 2012, 75(12): 2136-41.
10. Bhargava, K. and **Y. Zhang**. Multidrug-resistant Coagulase-negative Staphylococci (CoNS) in Food Animals. *Journal of Applied Microbiology*. 2012, 113(5): 1027-36.
11. Bhargava, K., X. Wang, S. Donabedian, M. Zervos, L. da Rocha, and **Y. Zhang**. Methicillin-resistant *Staphylococcus aureus* in retail meat, Detroit, Michigan, USA. *Emerging Infectious Diseases*. 2011, 17: 1135-1137.
12. **Zhang, Y.**, X. Wang, J. T. LeJeune, M. Zervos, and K. Bhargava. Comparison of phenotypic methods in predicting methicillin resistance in coagulase-negative *Staphylococcus* (CoNS) from animals. *Research in Veterinary Science*. 2011, 90: 23-25.
13. **Zhang, Y.**, S. Agidi, and J. T. LeJeune. Diversity of Staphylococcal Cassette Chromosome in Coagulase-Negative Staphylococci from Animal Sources. *Journal of Applied Microbiology*. 2009, 107: 1375-1383.
14. Lenz, J., D. Jaffe, M. Kauffman, **Y. Zhang**, and J. T. LeJeune. Isolation of foodborne pathogens from raw meat-containing dog food, raw meat-fed dogs, and their environment. *The Canadian Veterinary Journal*. 2009, 50: 637-643.
15. **Zhang, Y.** and J. T. LeJeune. Transduction of *bla*<sub>CMY-2</sub>, *tet*(A), and *tet*(B) from *Salmonella enterica* subspecies *enterica* serovar Heidelberg to *S. Typhimurium*. *Veterinary Microbiology*. 2008, 129: 418-425.
16. Luther, M., J. Parry, J. Moore, J. Meng, **Y. Zhang**, Z. Cheng, and L. Yu. Inhibitory effect of chardonnay and black raspberry seed extracts on lipid oxidation in fish oil and their radical scavenging and antimicrobial properties. *Food Chemistry*. 2007, 104: 1065-1073.
17. **Zhang, Y.**, E. Yeh, Y. Shen, A. Bhagwat, and J. Meng. Characterization of *Listeria monocytogenes* isolated from deli meats and retail chickens. *International Journal of Food Microbiology*. 2007, 113: 47-53.
18. Simjee, S., **Y. Zhang**, P. F. McDermott, S. Donabedian, M. Zervos, and J. Meng. Heterogeneity of *vatE* carrying plasmids in *Enterococcus faecium* isolated from human and animal sources. *International Journal of Antimicrobial Agents*. 2006, 28: 200-205.
19. Shen, Y., Y. Liu, **Y. Zhang**, J. Cripe, W. Conway, J. Meng, G. Hall, and A. Bhagwat. Isolation and Characterization of *Listeria monocytogenes* Isolates from Ready-To-Eat Foods in Florida. *Applied and Environmental Microbiology*. 2006, 72: 5073-5076.
20. Liming, S.H., **Y. Zhang**, J. Meng, and A. Bhagwat. Detection of *Listeria monocytogenes* in fresh produce using molecular beacon--real-time PCR technology. *Journal of Food Science*. 2004, 69: M240-M245.

21. Senkel, I.A., JR., B. Jolbitado, **Y. Zhang**, D. G. White, S. Ayers, and J. Meng. Isolation and characterization of *Escherichia coli* recovered from Maryland apple cider and the cider production environment. *Journal of Food Protection*. 2003, 66: 2237-2244.
22. Schroeder, C. M., D. G. White, B. Ge, **Y. Zhang**, P. F. McDermott, S. Ayers, S. Zhao, and J. Meng. Isolation of antimicrobial-resistant *Escherichia coli* from retail meats purchased in Greater Washington, DC, USA. *International Journal of Food Microbiology*. 2003, 85: 197-202.
23. **Zhang, Y.**, L. Ran, and X. Luo. Lactic Acid Bacteria: detection and identification. *Chinese Journal of Food Hygiene*. 2002, 1: 57-62.
24. **Zhang, Y.**, L. Ran, and X. Dong. Species-specific oligonucleotide probes for the identification of five *Bifidobacteria* from human sources. *Chinese Journal of Food Hygiene*. 2001, 13: 3-7.