

Hang Xiao, Ph.D. Professor, Department of Food Science, University of Massachusetts

Research Interests

Developing food-based strategies for health and wellness in humans, identifying health-promoting and potential harmful food components, elucidating their molecular mechanisms, and enhancing their health benefits and chemical stability through novel food processing.

Educational Background:

Ph.D. (Food Science, Food Chemistry), Aug. 2004. University of Wisconsin-Madison, USA.

B. Eng. (Food Science & Engineering), July 1996. Ocean University of China, China.

Professional Affiliations:

- Professor, May 2018-, Associate Professor, May 2013-May 2018; Assistant Professor, Nov. 2007 - May 2013, Department of Food Science, University of Massachusetts Amherst.
- Sabbatical Visiting Professor, Sep. 2019-Jan. 2020, College of Biosystems Engineering and Food Science, Zhejiang University; School of Food Science and Technology, Hunan Agricultural University; College of Food Science and Engineering, Ocean University of China.
- Adjunct Professor, Department of Microbiology, University of Massachusetts Amherst (2018-); School of Food Science and Technology, Hunan Agricultural University (2015-); School of Food Science and Technology, Xihua University (2016-2019), Department of Food Science and Technology, Dongguan University of Technology (2019-); College of Food Science, Ocean University of China (2019-); School of Biosystem Engineering and Food Science, Zhejiang University (2019-)
- Post-doctoral Research Associate, Oct. 2004 - Oct. 2007, Susan Lehman Cullman Laboratory for Cancer Research, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey.
- Post-doctoral Associate, Sep. 2004, Dept. of Food Science, University of Wisconsin-Madison.

Honors & Awards:

- Elected Fellow, Institute of Food Technologists (IFT), 2020
- Global Highly Cited Researcher (Clarivate), 2018 and 2019
- Babcock-Hart Research Award, Institute of Food Technologists (IFT), 2019
- Elected Fellow, American Chemical Society/AGFD, 2017
- Clydesdale Scholar of Food Science (2017-2022)
- Samuel Cote Prescott Research Award, Institute of Food Technologists (IFT), 2014
- Outstanding Service Award, IFT Food Chemistry Division, 2014
- Mary Swartz Rose Young Investigator Award, American Society for Nutrition (ASN), 2013
- Future Leader Research Award, International Life Sciences Institute (ILSI) North America, 2012
- IFT Food Chemistry Division Outstanding Volunteer Award. 2012.
- IFT Food Chemistry Division Outstanding Volunteer Award. 2011.
- Louis and Elsa Thomsen Wisconsin Distinguished Fellowship Award, 2003-2004
- First place winner, Phi Tau Sigma/Procter & Gamble Graduate Research Paper Competition, IFT, 2003.
- WIFT (Wisconsin Institute of Food technologist) Graduate Academic Scholarship, 2004-2005.
- Grand Prize winner (team member), 2004 "Almond Innovations" New Product Development Contest.

Leadership Positions:

- Chair, IFT Food Chemistry Division, 2015
- Leadership committee member, IFT Food Chemistry Division, 2011-current.
- Chair, Graduate Competition, IFT Food Chemistry Division, 2011-Current.
- Scientific Program Review Committee Member, IFT Food Chemistry Division, 2012.

Biographical Sketch, Hang Xiao

- Executive Committee Member, IFT Phi Tau Sigma, 2011 - 2012.
- Committee member of the New Professionals Task Force, IFT, 2009-2011.
- Chair, American Society for Nutrition (ASN), Symposium on Diet and Cancer, 2011 and 2012.
- Chair, American Chemical Society (ACS), AGFD Symposium, 2010.
- Chair, International Society of Nutraceuticals and Functional Foods, Symposium, 2010 and 2012.

Editorial and Review Position:

- Associate Editor: *Comprehensive Reviews in Food Science and Food Safety, Food & Function, Journal of Food Science.*
- Editorial Board Member: *Critical Review in Food Science and Nutrition, Journal of Nutritional Biochemistry, Food Bioscience.*
- Panel reviewer, National Institute for Food and Agriculture, USDA

Professional Memberships: IFT, ASN, ACS, Phi Tau Sigma

Research Support:

- Total Funds Awarded as a PI: \$7.2 million from NIH, USDA, NASA, NAS, AICR, NSFC
- Total Funds Awarded as a Co-PI: \$5.8 million from USDA, NIH
- Total Grant Funds Awarded: \$13.0 million

Research Publications and Presentations:

- Peer-reviewed journal publication: >250 (see this link for the list of published work:
- <https://www.ncbi.nlm.nih.gov/myncbi/1PynBzwA-W5u/bibliography/public/>
- Meeting abstracts and presentations: >160; Invited talks: >70