

## **Yael Vodovotz, Ph.D.**

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### **EDUCATION:**

**B.Sc. Food Science**, University of Illinois, Urbana, IL; 1989  
**M.Sc. Food Science** University of British Columbia, Vancouver, Canada; 1992  
**Ph.D. in Food Science** at the University of Massachusetts; 1996.

### **QUALIFICATIONS:**

- \* Appointed Assistant Professor (tenure track) at The Ohio State University
- \* Affiliate faculty member at NASA Food Technology Commercial Space Center

### **HONORS (last 5 years)**

- \* OARDC Director's Innovator of the Year Award (2003)
- \* Assistant editor: Journal of Life Support & Biosphere Science (1998-2001)
- \* Co-chair of Food Processing and Nutrition session for the 4<sup>th</sup> International Life Support and Biosphere Science Conference, Baltimore, MD (2000)
- \* Served on an expert panel for NASA Research Announcement Grant Review (1999)
- \* Appointed to the Editorial Board of "Life Support and Biosphere Science" (1998)
- \* Represented NASA-Johnson Space Center at the International Committee for Material Circulation in Geo-Hydrosphere and its Application conference, Rokkasho, Japan (1998)
- \* Postdoctoral Aerospace Fellow: University of Houston and NASA-JSC (1996-98)

### **PRESENTATIONS: (last 2 years)**

- \* Poster presentation: "Effects of Glycerol and Salt on the mechanical macromolecular superstructural properties of corn tortillas". E. Clubbs, T. Shellhammer, Y. Vodovotz, Ohio Valley Institute of Food Technology (OVIFT) Columbus, OH (2002).
- \* Poster presentation: "Effects of Glycerol and Salt on the Physico-chemical properties of corn tortillas". E. Clubbs, T. Shellhammer, Y. Vodovotz. IFT annual meeting, Anaheim, CA (2002).
- \* Poster presentation "Effect of CMC on the physico-chemical properties of masa-water mixtures". Y. Gao and Y. Vodovotz., IFT annual meeting, Anaheim, CA, (2002).
- \* Poster presentation "Effects of soy ingredient addition to conventional bread on isoflavone content and composition". Y.C. Zhang, S. J. Schwartz and Y. Vodovotz. AACC 2002 Spring Technical Conference, Omaha, NE, (2002).
- \* Poster presentation: "The effects of in vitro soy bread digestion on isoflavone profile." Y. C. Zhang, K. R. Walsh, M. L. Failla, S. J. Schwartz and Y. Vodovotz. IFT annual meeting, Anaheim, CA (2002).

- \* Poster presentation “Effects of soy on bread's physico chemical properties during storage.” Y.C. Zhang, E. Vittadini, J. Sachleben, and Y. Vodovotz. IFT annual meeting, Anaheim, CA (2002).
- \* Oral presentation “Isoflavone content and anti-cancer activity of soy bread and its components.” Y.C Zhang,, D. Albrecht, J.Bomser, S.J. Schwartz. and Y. Vodovotz, IFT annual meeting, Anaheim, CA (2002).
- \* Poster presentation “Effects of High Pressure and Glycerol on the Physico-chemical Properties of Corn Tortillas” E. Vittadini, E. Clubbs, J. Sachleben, Y. Vodovotz. 6<sup>th</sup> International Conference on Applications of Magnetic Resonance in Food Science, Paris (2002).
- \* Poster presentation “The effect of baking on water distribution and isoflavone composition in soy bread.” Y.C. Zhang, S.J. Schwartz and Y. Vodovotz. AACC Annual Meeting, Montreal (2002).
- \* Poster presentation “Effects of high pressure processing on the physio-chemical properties of corn tortillas.” E.A. Clubbs, T.H. Shellhammer and Y. Vodovotz. AACC Annual Meeting, Montreal (2002)
- \* Poster presentation “Isoflavone content and antioxidant activity of Ohio soybeans.” M. R. Renita, J.H. Lee, S. St. Martin, Y. Vodovotz and S. Schwartz. Denman Undergraduate Research Forum, Columbus (2003).
- \* Poster presentation “Effect of freezing on the physico-chemical properties of soy and wheat dough” K. Smith and Y. Vodovotz, IFT annual meeting, Chicago, IL (2003).
- \* Poster presentation “Isoflavone composition and biological activity of extracts from soy bread crumb and crust” Y.C Zhang,, D. Albrecht, J.Bomser, S.J. Schwartz. and Y. Vodovotz, IFT annual meeting, Chicago, IL (2003).
- \* Poster presentation “Changes in water state and distribution in soy containing bread during storage” Y.C Zhang, E. Vittadini and Y. Vodovotz, IFT annual meeting, Chicago, IL (2003).
- \* Poster presentation “Differential Scanning Calorimetry Determination of Autoxidation and Thermally Induced Oxidation of Olive Oil” E. Vittadini, J.H. Lee, D.B. Min, Y. Vodovotz. IFT annual meeting, Chicago, IL (2003).