

IFSH Seminar Series

Thursday, March 5, 2015

1:00PM – 2:00 PM

Room 100, Moffett Campus

Aman Sandhu, Ph.D.

Post-Doctoral Fellow

Institute for Food Safety and Health

Illinois Institute of Technology

“Phytochemicals in Muscadine Grapes”

Biosketch

Dr. Aman Sandhu is a post-doctoral fellow at the Institute for Food Safety and Health (IFSH) at the Illinois Institute of Technology. She completed her BS and MS in Food Science from Guru Nanak Dev University in India, and subsequently received her PhD in Food Science from the University of Florida. In 2014, she joined as a post-doctoral fellow with Dr. Britt Burton-Freeman at IFSH. She is an active member of Institute of Food Technologists (IFT) and has presented her work at the IFT meeting every year since 2009.

Abstract

Dr. Sandhu's presentation will provide an overview of her PhD research work and new projects at IFSH related to phytochemicals. Phytochemicals originate as a result of secondary plant metabolism and are essential for reproduction, stability and growth processes of plants. They are recognized not only for their health promoting benefits but also for their contribution to color and flavor in different fruits and vegetables. Her PhD work was focused on identification, enhancement and concentration of various phytochemicals in muscadine grapes, a grape variety indigenous to the southeastern United States. Her current research at IFSH includes; identification of phenolic metabolites generated after consumption of various berry fruits, to understand their bioavailability and to determine their potential in disease prevention using human intervention trials.