

# 3<sup>rd</sup> European Food Safety & Standards Conference

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### Non traditional intentional threats from food safety to food defense

The intentional contamination of food supply poses a real threat to society. It has the potential to disrupt food distribution, loss of consumer confidence in government and the food supply. The global food system is very vulnerable, both structural and social. The bulk production and need for rapid production, sourcing and distribution at both national and international level is beyond the limits of routine food safety measures. Adapting to the additional threats arising from major environmental, climate and bioterrorism requires an integrated food system approach. In this respect a total food protection perspective will be summarized by breakdown of food safety management systems and vulnerability assessment. Food security, safety, defense, protection and quality will be linked within a food continuum by determining the countermeasures to minimize or eliminate vulnerabilities as well as enhancing the capability for surveillance, preparedness and response to intentional contamination for greater awareness and prevention.

### Biography

Hami Alpas is a Professor in Food Engineering Department at Middle East Technical University, Turkey. He completed his MBA in Total Quality Management from Department of Business Administration METU. He has served as a Visiting Scholar in 1996 and 1998 at University of Wyoming, USA; as a Visiting Scientist in 2001 and 2002 at Ohio State University, USA and as a Visiting Professor in 2006, 2007 and 2008 at University of Bordeaux I, France. His main research areas are: Unit Operations in Food Engineering, Non-thermal Food Processing Technologies, Food Quality, Food Safety and Food Security through Total Food Protection. He is an expert in Food Defense training activities via NCFPD (USA). He has supervised four PhD and 11 MSc thesis in Food Engineering Department. He has 67 international journal articles (SCI) and over 750 citations as well as close to 55 academic presentations in 35 different international meetings. He has completed 15 national, four international projects including EU/JRC, CNRS-EGIDE and NATO ARW/ATC projects. He has authored seven chapters in internationally edited books and has edited three international books by Springer. He has also organized and co-directed three NATO-workshops (ARW-ATC). He is currently Co-Director of EU-FP7 project on Plant Food Security.

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