

# Advanced Juice Chemistry and Analysis Workshop

LEARN AND ACQUIRE KNOWLEDGE ON LATEST ADVANCED TECHNIQUES  
AND TOOLS THAT PROVIDE INSIGHTS ON JUICE CHEMISTRY

NOVEMBER 16 –17, 2011

**LOCATION:** Waters Corporation, 34 Maple Street Milford, MA U.S.A.

**SPONSORS:**



**Waters**  
SCIENCE OF WHAT'S POSSIBLE.™

**REGISTRATION:** Use the following link to register for the workshop: [www.waters.com/tcjjp](http://www.waters.com/tcjjp)

**Registration Fees\*:**

\$300.00 USD (TCJJP members)

\$400.00 USD (non-members)

\*Send payment to:

Technical Committee for Juice and Juice Products (TCJJP)

P.O. Box 381106

Germantown, TN 38183-1106

Attn: Lars Reimann, Treasurer

## PRELIMINARY AGENDA

### PART 1 –SAMPLE PREPARATION AND CHEMISTRIES

Overview of General Sample Preparation Solutions

Food Safety Solutions:

QuEChERS for Residues / Contaminant Analysis – Practical Session

Oasis HLB for Patulin Analysis

Column Chemistries for Rapid Fruit Juice Analysis

Roundtable Discussion

### PART 2 -ULTRAPERFORMANCE LIQUID CHROMATOGRAPHY (UPLC®)

Overview of Technique

Method Transfer Tools -HPLC to UPLC

Advantages of UPLC for Juice Analysis

Mango Varieties -DNA Techniques – Guest Speaker TBD

Update of IFU Methods – Guest Speaker TBD

Roundtable Discussion

### PART 3 –WATERS LABORATORY TOUR (OPTIONAL)

### PART 4 -QUAD MS

Overview of Technique

Quad MS for Fruit Juice QC

Food Safety Solutions

Software for Quantitative MS

Analysis of Organic Acids in Fruit Juices by LC/MS: An Enhanced Tool for Authenticity Testing – Guest Speaker TBD

Residue Analysis

Roundtable Discussion

### PART 5 -TOF MS

Overview of Technique

Advances in Targeted and Non-Targeted Residue Analysis – Guest Speaker (TBD)

ToF MS for Advanced Food Safety / Residue Analysis

Juice Authenticity Using ToF MS

## Organizations invited to the workshop:

TCJJP (Technical Committee of Juice and Juice Producers), JPA (Juice Products Association), GMA (Grocery Manufacturers Association), IFU (International Fruit Union)