

PROGRAMME OF THE 10th STEVIA SYMPOSIUM IN PISA

“Stevia: more than sweet science!”

Wednesday, September 13th

19.00 Preregistration and Get-together in “Di Qua d’Arno” Bar Bistrot
Address: Lungarno Pacinotti, 25 Pisa

Thursday, September 14th

Location: Polo Didattico Piagge, University of Pisa, Via Giacomo Matteotti, 11

08.15 Registration

09.00 Opening address

09.30 – 10.45 **1. Session: Phenotyping and breeding**

Chairperson: Jan Geuns

01. Study of phenotypic traits usable to describe *Stevia rebaudiana* varieties

Clot, Corentin - *Equipe Physiologie, Pathologie et Génétique Végétales (PPGV), Université de Toulouse, INP-Purpan, Toulouse, France* [>Abstract](#)

02. SNP Identification through reduced-representation library (RRL)sequencing for *Stevia rebaudiana* diversity studies, genotype traceability and future breeding purposes

Schurdi-Levraud, Valérie - *UMR Biologie du Fruit et pathologie, INRA Université De Bordeaux, Villenave d’Ornon, France* [>Abstract](#)

03. Missense mutations of UGT76G1 alter rebaudioside biosynthesis in *Stevia rebaudiana*.

Petit, Eva - *Equipe Physiologie, Pathologie et Génétique Végétales .(PPGV), Université de Toulouse, INP-Purpan, Toulouse, France* [> Abstract](#)

10.45 Coffee break

11.00-13.00 **2. Session: Agronomy and cultivation**

Chairperson: Luciana G. Angelini

04. Stevia response to salt stress: agronomic and biochemical evaluation

Martini, Andrea - *Department of Agriculture, Food and Environment, University of Pisa, Italy* > [Abstract](#)

05. Stevia rebaudiana organic production establishment: taking into account Septoria sp.

Hastoy, Cécile - *UMR Biologie du Fruit et pathologie, INRA Université De Bordeaux, Villenave d'Ornon, France* > [Abstract](#)

06. Studies on efficiency of Stevia rebaudiana Bertoni cultivation in the climate conditions of southern Poland

Zastawny, Olga - *Department of Plant Cytology and Embryology, Institute of Botany, Jagiellonian University, Poland* > [Abstract](#)

12.15-12.35

Poster presentation

P01. The Relationship between Morphologic and Agronomic Characters of Stevia rebaudiana Bertoni Leaves.

Tutuncu, Begum - *Department of Field Crops, Faculty of Agriculture, Akdeniz University, Antalya, Turkey* > [Abstract](#)

P02. Sustainable high frequency micropropagation of Stevia rebaudiana

Turgut, Kenan - *Department of Field Crops, Faculty of Agriculture, Akdeniz University, Antalya, Turkey* > [Abstract](#)

12.35

Lunch

14.00 – 15.10

3. Session: New techniques for production of steviol glycosides, new extraction techniques and formulation

Chairperson: Ursula Wölwer-Rieck

07. Is Purification Processing Affecting the Natural Pattern of Steviol Glycosides?

Oehme, Anne - *Institute of Nutritional and Food Sciences, Bioanalytics, Rheinische Friedrich-Wilhelms-Universität, Bonn, Germany* > [Abstract](#)

Poster presentation

P03. Biosynthesis of terpenoids in Stevia.

In-Cheol Jang - *Department of Biological Sciences, National University of Singapore, Singapore* > [Abstract](#)

P04. New insights on the steviol glycoside biosynthesis in Stevia by using some specific plant growth regulators (PGRs)

Karimi, Mojtaba - *Faculty of Agriculture, Department of Agronomy, Shahrekord University, Shahrekord, Iran* > [Abstract](#)

P05. Evaluation of the efficiency of PVPP dosage on clarification of stevia extract

Karhan, Mustafa - *Department of Food Engineering, Faculty of Engineering, Akdeniz University, Antalya, Turkey* > [Abstract](#)

P06. Optimization of extraction parameters for steviol glycosides by response surface methodology

Karhan, Mustafa - *Faculty of Engineering, Department of Food Engineering, Akdeniz University, Antalya, Turkey* > [Abstract](#)

- 15.10 – 16.00 **4. Session: Food preservation (lack of sugar) and effects on growth of bacteria (caries)**
Chairperson: Matthias Frentzen
- 08. The effects of steviol glycosides on *Listeria monocytogenes* and *Salmonella typhimurium* growth dynamics**
Jooker, Etienne - *Laboratory for Microbial and Bio-Chemical Technology, Cluster for Bioengineering Technology, Department of Microbial and Molecular Systems, KU Leuven Technology Campus Ostend, Belgium* [> Abstract](#)
- 09. Oral Aspects of Steviol glycosides: Effects on Microbial Acid Production - methods and preliminary results**
Medler, Maria - *Institute of Nutritional and Food Sciences, Bioanalytics Rheinische Friedrich-Wilhelms-Universität Bonn, Germany* [> Abstract](#)
- 16.00 **Tea break**
- 16.30 **EUSTAS Member meeting**
- 20.00 **Social dinner at the “I Giardini del Colombero”**
Address: Via dei Cappuccini 2/B, 56121, Pisa

Friday, September 15th

Location: Polo Didattico Piagge, University of Pisa, Via Giacomo Matteotti, 11

- 09.00 **5. Session: Pharmacological effects (immune system, diabetes and pancreatic β -cells protection, antioxidant compounds)**
Chairperson: Vincenzo De Tata
- 10. Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity**
Vennekens, Rudi - *Laboratory of Ion Channel Research, Department of Cellular and Molecular Medicine, KU Leuven, Belgium* [> Abstract](#)
- 11. Can Stevia Leaf extracts protect beta cells against gluco- or lipotoxicity?**
Bugliani, Marco - *Department of Clinical and Experimental Medicine, University of Pisa, Italy* [> Abstract](#)
- 10.00 **Coffee break**
- 10.20 **General discussion**
- 12.00 **Lunch**