



## Scientific Program

**PL: Plenary Lectures**

**KN: Keynotes**

**OP: Oral Presentations**

**YS: Young Scientists Session**

### Tuesday, November 10<sup>th</sup>

Time	Activity	Speaker	Institution	Country
08:00-08:30	Short course registration			
08:30-17:30	Short Course 1: Introduction to Multidimensional Gas Chromatography	Philip Marriott	Monash University	Australia
		Peter Tranchida	Università di Messina	Italy
08:30-17:30	Short Course 2: Volatile Sampling and Analysis	Carlo Bicchi & Patrizia Rubiolo	Università di Torino	Italy
14:00-19:00	Symposium registration - Espaço Tom Jobim			
19:00-19:30	Opening Ceremony			
19:30-20:30	PL1-Opening Lecture: Mass spectrometry strategies for the analysis of volatile plant secondary metabolite dynamics	Norberto Lopes	Universidade de São Paulo	Brazil
20:30-23:00	Welcome cocktail			



### Wednesday, November 11<sup>th</sup>: 1<sup>st</sup> Pan American Symposium on Essential Oils

Time	Activity	Speaker	Institution	Country
09:00-09:10	1 <sup>st</sup> Pan American Symposium on Essential Oils - Opening	Cláudia Rezende	Universidade Federal do Rio de Janeiro	Brazil
09:10-10:00	PL2: Why do hawkmoths like nitrogenous volatiles? Exploring the behavioural relevance of "animalic notes" in white floral blends.	Robert Raguso	Cornell University	USA
10:00-10:30	KN1: Current status, gaps in knowledge and research needs for aromatic plants in Mexico.	Luz Calvo-Irabién	Centro de Investigación Científica de Yucatán	Mexico
10:30-11:00	Coffee break			
11:00-11:30	KN2: Prospecting of aromatic plants in the Brazilian Cerrado.	Roberto Vieira	Embrapa Recursos Genéticos	Brazil
11:30-12:00	KN3: Volatile organic compounds. How to measure and apply their biological activities?	Eduardo Dellacassa	Universidad de la República	Uruguay
12:00-12:15	OP1: Oxygen radical absorbance capacity and GC-MS identification of the secondary metabolites of essential oils obtained by steam distillation of <i>Turnera diffusa</i> .	Yuri Córdoba	Universidad Industrial de Santander	Colombia
12:15-12:30	OP2: <i>Tagetes osteni</i> Hicken: chemical analysis and potential antineoplastic activity of the essential oil from leaves and flowers.	Miriam Apel	Universidade Federal do Rio Grande do Sul	Brazil
12:30-14:30	Lunch			
14:30-15:20	PL3: Study of volatile secondary metabolites from Colombian aromatic plants and flowers.	Elena Stashenko	Universidad Industrial de Santander	Colombia
15:20-15:50	KN4: Valorization of aromatic native species from highlands of Northwestern Argentina.	Carmen Viturro	Universidad Nacional de Jujuy	Argentina
15:50-16:05	OP3: Phytotoxic effects of <i>Schinus terebinthifolius</i> Raddi volatiles on <i>Arabidopsis thaliana</i> (L.) Heynh.	Angela Pawlowski	Universidade Federal do Rio Grande do Sul	Brazil
16:05-16:20	OP4: Environmental impact generated by the effluents from the extraction process by steam distillation of essential oils.	Eduardo Cassel	Pontifícia Universidade Católica do Rio Grande do Sul	Brazil
16:20-16:50	Coffee break			
16:50-19:00	Poster session 1: Odd numbers			



# 8<sup>th</sup> Brazilian Symposium on Essential Oils International Symposium on Essential Oils



## Thursday, November 12<sup>th</sup>

Time	Activity	Speaker	Institution	Country
09:00-09:50	PL4: Plant volatile fraction and essential oils: recent achievements in conventional and non-conventional routine-analysis.	Carlo Bicchi	Università di Torino	Italy
09:50-10:20	KN5: What can we learn from the ultra-high resolving power of comprehensive two-dimensional gas chromatography for essential oil analysis?	Philip Marriott	Monash University	Australia
10:20-10:50	Coffee break			
10:50-11:20	KN6: Can we separate all compounds in one essential oil sample with GCMS? Tips and tricks.	Celso Blatt	Agilent Technologies	Brazil
11:20-11:50	KN7: Influence of genetic, epigenetic, agricultural and post-harvest factors on the production of Rose and Geranium Essential Oils.	Bernard Blerot	IFF-LMR	France
11:50-12:20	KN8: Green technologies applied to the analysis of plant volatiles.	Patrizia Rubiolo	Università di Torino	Italy
12:20-14:30	Lunch			
14:30-15:20	PL5: Characterization of the Odor-Active Constituents of Fragrant Natural Raw Materials.	Nicolas Baldovini	Université de Nice	France
15:20-15:50	KN9: Multidimensional Gas Chromatography Hyphenated to Mass Spectrometry and Olfactometry for the Volatile Analysis of Citrus Hybrid Peel Extract.	Alessandro Casilli	Firmenich - LADETEC	Brazil
15:50-16:20	KN10: Important Aromatic Plants and Essential Oils of Turkey.	K. Husnu Can Baser	Anadolu University	Turkey
16:20-16:50	Coffee break			
16:50-19:00	Poster session 2: Even numbers			
20:00-23:00	Symposium dinner			



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## Friday, November 13<sup>th</sup>

Time	Activity	Speaker	Institution	Country
09:00-09:50	PL6: Preparative chromatography techniques for the isolation of pure standard components from natural samples.	Luigi Mondello	Universit� di Messina	Italy
09:50-10:20	KN11: Use of countercurrent chromatography in the purification of compounds in essential oils.	Gilda Leit�o	Universidade Federal do Rio de Janeiro	Brazil
10:20-10:50	Coffee break			
10:50-11:05	YS1: Chemical Composition and Molluscicidal Activity of Essential Oil from the leaves of <i>Eugenia patrisii</i> Vahl.	Natale Carvalho	Universidade Federal do Par�	Brazil
11:05-11:20	YS2: Floral volatile profile of <i>Dendrobium nobile</i> (Orchidaceae) in circadian cycle by dynamic headspace in vivo.	Rafael F. Silva	Universidade Federal do Rio de Janeiro	Brazil
11:20-11:35	YS3: Chemical characterization of the volatile fraction of <i>Sansevieria guineensis</i> (Agavaceae) and <i>Vanilla planifolia</i> (Orchidaceae) flowers by HS-SPME/GC-MS.	Lady J. Sierra	Universidad Industrial de Santander	Colombia
11:35-11:50	YS4: Development and evaluation of an inhalation chamber for <i>in vivo</i> tests with drugs administered by pulmonary route.	Eduardo Rodrigues	Universidade Federal do Rio de Janeiro	Brazil
11:50-12:05	YS5: Chemical composition and cytotoxicity of <i>Hedyosmum brasiliense</i> essential oils from Cerrado and Atlantic Forest.	Cynthia Murakami	Universidade de S�o Paulo	Brazil
12:05-12:20	YS6: Dermal acute toxicity of <i>Cyperus articulatus</i> var. <i>nodosus</i> essential oil and hydrolate from Santar�m-Par�	In�s Machado	Universidade Federal do Oeste do Par�	Brazil
12:20-14:30	Lunch			
14:30-15:20	PL7: Toxicology and Safety Assessment of Essential Oils.	Wilfried Bursch	Medizinischen Universit�t Wien	Austria
15:20-15:50	KN12: Bioactivity of Essential oils from the Atlantic Rain Forest: Efficacy and Safety.	Paulo Moreno	Universidade de S�o Paulo	Brazil
15:50-16:20	Coffee break			
16:20-16:50	KN13: Potential toxicity and anti-inflammatory properties of the essential oils of four <i>Citrus</i> species.	Patricia Fernandes	Universidade Federal do Rio de Janeiro	Brazil
16:50-17:20	KN14: Research of essential oils to control livestock parasites.	Ana C. Chagas	Embrapa Pecu�ria Sudeste	Brazil
17:20-18:00	Closing ceremony			