



The 6th edition of ISANH Polyphenols 2012 was held in **Paris** in **June 7 & 8, 2012** and brought **together experts from academia and industry**, established researchers and young, emerging talents from almost all continents.

These two days were very rich and active with high quality debates about scientific advances.

Indeed, experts' contributions highlighted the tremendous opportunities as well as the challenges that are associated with one of the most fascinating classes of secondary plant metabolites.

Recent Advances and Clinical Applications of Polyphenols in health were highlighted by oral & poster presentations.

Some critical questions concerning clinical studies and claims were discussed. The impact of polyphenols consumption on consumers and how marketing can not go faster than sciences advances (how to avoid speculations as for resveratrol)

One of the main conclusions of the first day was that polyphenols will play a central role in the prevention of many chronic diseases. Many presentations showed the impact of polyphenols on diabetes, obesity, cancer, neurodegenerative and cardiovascular diseases. **There is no doubt that phenolic compounds hold promise for application as functional food ingredients and nutraceuticals, natural additives in foods and feeds, and even as pharmaceuticals.**

Polyphenols & Waste Valorisation from Fruits and Vegetables Processing

The aim of this session was to discuss how by-products of the fruit and vegetable industry (such as tomato peel, olive margin, paper waste, wine, beer, cider and palm industries) can be utilized for the recovery of polyphenols and other valuable components.

During this conference, by-products arising from processing of plant-derived raw materials were demonstrated to be excellent sources of phenolics, **but economically feasible approaches are still needed for their exploitation.**

Various processes and techniques were suggested for the extraction, fractionation and isolation of target compounds. In order for phenolics to be applied as bioactive compounds, more data needs to be generated concerning their efficacy, bioavailability, metabolism, their chemical and physical behavior in various matrices during processing, and obviously their potential toxicity. Despite significant advances in the analysis of phenolic compounds, there are still challenges when it comes to their characterization and quantification.

Future congresses on Polyphenols Applications will address, among others, these topics in order to obtain a more complete picture of the potential of phenolics.

On behalf of the Organizing Committee and ISANH, we would like to express our sincere gratitude to all speakers and participants for their contribution during these two days. It gave us a great pleasure to thank all those who graciously supported **Paris Polyphenols 2012** and who have been involved in the organization of the conference.

We look forward welcoming you next year in Germany for the 7th ISANH Polyphenols Congress.

Pr Marvin Edeas - Chairman of ISANH

Pr Andreas Schieber - Chairman of Scientific Committee

ISANH Polyphenols Abstracts Book

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