



Food Antioxidants and Functional Ingredients

Longer shelf life, nutrition and health

Monday 13 and Tuesday 14 November 2017, SCI, London, UK

The importance of antioxidants in reducing oxidative deterioration in oils, fats and lipid-based foods is well known. The use of both permitted synthetic and natural antioxidants is restricted and governed by regulatory laws of the individual country or by internal standards. The selection of the optimum antioxidant or synergistic combination of antioxidants, however, becomes complicated by the problem of predicting how the added antioxidant mixture will function in the presence of pro-oxidants and antioxidants already present in the food or produced in the course of processing. Often, there are challenges of assessing oxidative stability, particularly in heterogeneous and multi-phase systems, extending shelf life of foods containing unsaturated lipids, and preventing quality deterioration due to lipid co-oxidation of proteins. Functional ingredients are natural ingredients that have health promoting and / or disease preventing benefits, and a variety of these components namely phytochemicals (phytonutrients) display antioxidant properties.

Antioxidant molecules react with oxy and other radicals not only to delay their function, but also to neutralize them and subsequently protect us from oxidative stress and several related diseases. Over recent years, our understanding of the molecular mechanisms of health effects of various anti-oxidative components such as polyphenols, flavonoids, lutein, etc. is becoming clear. The main theme of this international conference is understanding antioxidants in terms of nutrition and health, and it will address the latest research in mechanistic actions of antioxidants and how to improve nutritional quality of food systems, and developments in beneficial health effects of phytochemicals, including challenges and strategies for new generations of antioxidants.

For updates on the event, please go to www.soci.org/events

The event is open to anyone, including producers and users of food antioxidants, nutritionists, health authorities, food scientists, phytochemicals researchers, supplement manufacturers and retailers.

**Register your
interest today!**

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