

TOPIC – 4:
Food and Nutrition

Guest lectures:

Dr. G. (Joe) Mazza, Pacific Agri-Food Research Centre, Canada Absorption and metabolism of anthocyanins in humans

Dr. Francisco A. Tomás-Barberán,
CEBAS-CSIC, Murcia, Spain Bioavailability, metabolism and bioactivity of food ellagic acid and related polyphenols

Other communications

Toxicity of the Coumarin 8-MOP on the Development of Early Embryos of *Xenopus laevis*, the African Clawed Frog

Development of a quantitative method for the separation of Cacao (*Theobroma cacao* L.) Procyanidins According to Their Degree of Polymerization Using New Normal Phase HPLC-FLD Method

Degradation of apple phenolics in a model muffin system

Metabolism and transport of flavonols in the small intestine – lack of evidence for the involvement of multidrug resistance proteins (MRPs) or P-glycoprotein.

Metabolic activation of pro-estrogens from hops by intestinal microbiota results in increased exposure to the potent phytoestrogen 8-prenylnaringenin, *in vitro* and *in vivo*

Plasma concentrations of constituents and metabolites of maritime pine bark extract (Pycnogenol) after single and multiple oral intake by healthy volunteers

Microbial metabolism of (+)-catechin and (-)-epicatechin by human gut microbiota *in vitro*

The Impact of Organic Management Practices on the Bioactive Content of the Wild Blueberry

Validation of the method for determining phenols in the plasma of human virgin olive oil consumers.

Effects of the Coumarin 8-methoxypsoralen on Early Embryonic Development in the Golden Hamster *Mesocricetus auratus*

CAROTENOIDS AND TOTAL POLYPHENOLS CONTENTS OF *Musa* HYBRIDS AND CULTIVARS GROWN IN CAMEROON

Effect of Xanthotoxin on Expression of Apoptotic Proteins in Ovaries of Female Rats

Effects of STIR-FRYing with edible oils, ON THE phenolic composition of BROCCOLI

Evaluation of the antioxidant capacity of individual phenols recovered from virgin olive oil and olive oil mill waste in copper-mediated oxidative modification of human low-density lipoprotein.

Effect of cranberry juice on oxidation via *in vitro* and human study

Antioxidant properties of açai (*Euterpe oleracea*) in human plasma

Effects of growing strawberries under UV spectral filters on phenolic content and antioxidant activity

The influence of human gut bacteria on bioavailability and metabolism of cyanidin-3-glucoside

Seasonal variation in the composition, antioxidant capacity and protection of cells by olive leaf polyphenols

Content of Total Phenolics and Phenolic Acids in Tomato Fruits as Influenced by Cultivar and Ambient Solar UV Radiation

Equol content in plasma and milk of red clover fed cows

FLAVONoids in Fruits & Vegetables, Their Impact on Food Quality, Nutrition and Human Health

Characterization of the phenolic profiles of some monovarietal extra virgin olive oils of Southern Italy

Effect of polyphenol oxidase and peroxidase on the immunoreactivity of Mal d 1, the main apple allergen

Almond skin polyphenols: application of new analytical approaches

Lemon juice plus aronia extract: a new high antioxidant beverage

Flavonoid content in Vietnamese Tea

Absorption and metabolism of *trans*-piceid by small intestinal epithelial cells.

Polyphenol composition and antioxidant activity in strawberry puree; development during storage

Variability of antioxidants in a genetically diverse *Solanum tuberosum* L. collection

Saskatoon berry pomace as valuable source for functional foods ingredients and antioxidant nutraceuticals

Phenolic Compounds in Flaxseed

Secoiridoid aglycons of olive oil possess a potent antimicrobial activity

Peanut not only As a Substrate of Aflatoxin Contamination but a Potent Poducer of Antioxidative Stilbenoids

A PHYTOCHEMICAL STUDY OF THE LEAVES OF ITALIAN POPULATIONS OF *ROSMARINUS OFFICINALIS* L.

Anti-nutritional factors and mineral quality of Hybrid (COHCU-8) and traditional variety (CO7) of Indian pearl millet (*Pennisetum glaucum*) as affected by different processing methods

Antioxidant potential and polyphenols in juices of disease resistant and traditional apple cultivars

Pigmented table grape phenolic and antioxidant activity induced by mild technological treatments.

Variations of Components Contents in the Order of Development of Leaves and in the Part of a Leaf of Spinach

Anthocyanin content in berries, fruits and vegetables consumed in Finland

Bioactivities of rowanberry phenolics

Effect of fruit blanching and carbohydrate addition on phenolics and radical scavenging activity of blueberry juice during frozen storage

Elucidation of the factors that contribute to the after-darkening phenomenon in Pinto bean (*Phaseolus vulgaris* L.).

EFFECT OF NON-ALCOHOL BEER DIETETIC SUPPLEMENTATION IN OXIDATIVE METABOLISM

Food composition database for various polyphenols

Metabolic profiling of in vitro propagated and greenhouse grown ginger (*Zingiber officinale* Rosc.) and turmeric (*Curcuma longa* L.)

INFLUENCE OF CONSUMPTION OF BEER IN HUMANS WITH HYPERLIPEMIA

Short-Term Variations in Urinary Phytoestrogens

EFFECT OF HOP SUPPLEMENTATION IN OXIDATIVE METABOLISM AND INFLAMMATION PARAMETERS

ANTIOXIDANT CHARACTERISTICS OF A CLEMENTIN MANDARIN CONCENTRATE JUICE

Polyphenols and carbohydrates in *Phaseolus vulgaris* L. and *Cicer arietinum* L. grown in a restricted Tuscany area

A survey on the content and main degree of polymerisation of ellagitannins in raspberry and blackberry cultivars grown in Trentino (Italy)

Influence of light irradiation on the content of antioxidants in radish sprouts during growth.

Separation and Identification of Isoflavones in Different Plant Sources Using High-Performance Liquid Chromatography-Mass Spectrometry

Polyphenols composition of apple cultivars grown in Eastern Europe.

HPLC-MS characterization of anthocyanin-derived pigments in Southern Italy red wines

Enhancement of the antioxidant activity of vegetable juices by the addition of polyphenol-rich extract from broccoli.

Biological Activity of Extract of Melinjo (*Gnetum gnemon* .) Seeds and Its Application as Food

Analysis of phenolic compounds in Moravian wine using CoulArray detector