

Accepted lectures

Conference VITAMINS, NUTRITION, DIAGNOSTICS

August 31 – September 2, 2009, Mendel University of Agriculture and Forestry in Brno, Czech Republic

L01

The healing power of garlic tincture

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L02

Barley caryopsis as a source of substances beneficial to health

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L03

Study the effect of juice of two varieties of pomegranate on decreasing plasma LDL cholesterol

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L04

HILIC - Hydrophilic interaction chromatography for separation of phenolic and flavone natural antioxidants

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L05

Factors affecting high antioxidant content and activity in novel foods - coloured potatoes, red grapes and wines and minority crops

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L06

Present look at oxidative stress

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L07

Biomodulating effect of omega-3 fatty acids on lipid profile and oxidative stress in children suffering from hypercholesterolemia

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L08

Dyslipoproteinemia and arterial hypertension, (importance of ldl-subfractions determination)

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Low levels of glutathione and hyperhomocysteinemia in postmenopausal women with ischemic heart disease

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Molecularly imprinted polymer (MIP) for determination of compounds with biological activity

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L11

Making monoliths with visible LED light sources

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L12

Intestinal microflora in development of inflammatory and neoplastic diseases: protective effects of probiotics

Tlaskalova-Hogenova H., Stepankova R., Hrnčíř T., Hudcovic T., Funda D., Klimesova K., Kozakova H., Kverka M., Zakostelska Z., Tuckova L., Rossmann P.

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L13

What is – and what is not - evidence based medicine in the field of the sport nutrition supplements

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L14

Electroactive nutritional biomarkers

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L15

Enhanced environmental conditions cause changes in quality and quantity of extruded compounds on the cell surface

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L16

Nutrition and health - developing new healthy food

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L17

Basic characteristics of "Czech beer"

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L18

Comparative analysis of induced polyploid and primary diploid forms of annual medicinal plants

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L19

In-line antioxidant activity determination of hop bitter acids using automated capillary electrophoresis apparatus with coupled reaction detector

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L20

Metabolomic profiling: a powerful tool in wine and beer traceability

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L21

Nanotechnology for society– importance and possibilities

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L22

Quantum dots – possibilities and their application

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L23

Paramagnetic micro- and nanoparticles for detection of proteins and nucleic acids

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L24

Sensor array for electrochemical mass screening

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L25

Nanotechnologies in drugs and pharmaceuticals application

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L26

An employment of electrochemical methods in nanotechnologies

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L27

Nanosystems in separation techniques and technologies

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Amino acid analysis by HPLC after derivatization with 9-fluorenylmethyloxycarbonyl chloride: literature overview, further study and utilization for the analysis of the free amino acids in plasma

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L29

Drinking of milk - food for thought

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L30

Influence of the consumption of bread with added buckwheat on total antioxidant status

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L31

Mass spectrometry-based metabolite profiling strategies for biomarker tracing in urine

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L32

Application of modern technologies for determination of retinoids and tocopherols in biological fluids

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L33

Antiradical activity and phenolic substances of new crossin of red grapevine varieties

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L34

Development of volatile aromatic compounds in wine (*Vitis vinifera*) variety Riesling, made by using different winemaking techniques

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L35

Bee bread – source of essential fatty acids

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L36

β-Glucans from yeasty biomass

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L37

Vitamin A, but not vitamin E, is an independent mortality predictor in chronic hemodialysis patients

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L38

Energy and “smart” drinks

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L39

Antioxidant activity in small forest fruits

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L40

Content of total polyphenols in seeds of amaranth and millet under conditions of model metallic loaded soil

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L41

Total polyphenols content evaluation in frozen vegetables

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L42

Antioxidant activity of *Solanum Tuberosum* I. Cultivated in the soil contaminated by lead

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L43

The influence of assimilable nitrogen on antiradical activity in grape musts

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L44

New varieties of Saaz hops and „Czech beer“

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L45

New screening method detecting decreased macular pigment in the eye

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L46

Comparison of plasma seminal L-carnitine concentrations in asthenozoospermic, trazoospermic, oligozoospermic and necrozoospermic infertile men

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L47

SKAC Sharing Knowledge Against Cancer

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L48

Correlation between seminal plasma selenium concentration and semen parameters

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L49

Czech beer - a contribution to authenticity analysis

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L50

Content and elimination of biogenic amines in wine

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L51

Vitamin D – The sunshine hormone in our food

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L52

Vitamin status in elderly people of eastern Austria with consideration of the use of multivitamin supplements

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L53

Neuroprotective of tocotrienols in in vitro and in vivo system

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Comparative study of the absorption and distribution of tocotrienols to tocopherols

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L55

Biological activity of main substances of Vitis vinifera products, by-products and bio-wastes

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