

Final programme



8th International Conference VITAMINS Nutrition and Diagnostics September 9 – 11

Conference is organized under the auspices of
Minister of Education of the Czech Republic
Ondrej Liska
and
Rector of Tomas Bata University in Zlin
Ignac Hoza

Venue: Congress Centre
Tomas Bata University in Zlin, Mostni 5139,
Zlin, Czech Republic

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VITAMINS 2008 – Nutrition and diagnostics

Tuesday, September 9

08:00 - 18:00

Registration of VITAMINS 2008 participants

PLENARY SESSION Chairs: Horna A., Blatná J.

- 10:00 **Opening address**
- 10:15 **L23** **Zadák Z., Bláha V., Hyšpler R., Tichá A., Solichová D.,**
Czech Republic
The transition from drinking water to functional drinks: health gains and risks
- 10:50 **L05** **Šimánek V.,** *Czech Republic*
Natural substances in primary prevention of benign prostatic hypertrophy and minimizing prostate cancer risk
- 11:25 **L35** **Jansen, Eugène HJM,** *The Netherlands*
Vitamin and mineral status in relation to nutritional intake and chronic diseases.
- 12:00** **Pause (lunch)**

SESSION: Separation and detection of bioactive compounds I. Chairs: Jandera P., Macka M.

- 13:15 **L04** **Jandera P., Hájek T., Škeříková V., Česla P., Vyňuchalová K.,**
Czech Republic
Multidimensional LCxLC-UV-EC-MS/MS analysis of phenolic and flavone natural antioxidants
- 13:50 **L09** **Tranchida P. Q., Mondello L.,** *Italy*
The use of multi-chromatographic dimensions in the analysis of biological, cosmetic and food products
- 14:25 **L07** **Molnár-Perl I., Boldizsár I., Füzfa Zs., Tóth F., Sedlák É., Gyurján I.,**
Hungary
The possibilities of gas chromatographic analysis of lignans: high arctigenin, matairesinol, phylligenin and pinosresinol containing plants
- 14:45 **L06** **Ryvolová M., Piasecki T., Preisler J., Krásenský P., Foret F., Hauser P. C., Brabazon D., Paull B. Abele S., Macka M.,** *Ireland*
New options in light emitting diode-based photometric and fluorimetric detection systems for capillary electrophoresis and microfluidic chips
- 15:05** **Pause**

PARALLEL SESSION: Drink or not to drink. That is the question Chairs: Zadák Z., Medek J.

- 15:30 **L24** **Zadák Z.,** *Czech Republic*
Ionic drinks and mineral waters in prevention and treatment
- 15:50 **L25** **Medek J., Ferenčík M.,** *Czech Republic*
Untraditional priority substances in surface water as a risk not only for hydrosphere, but also for drinking water
- 16:10 **L29** **Fic V., Jašková D., Valíček P., Kandrnál J.,** *Czech Republic*
Wines aromatized by means of origin Chinese plants extract
- 16:30 **L30** **Šrámková P.,** *Czech Republic*
Sucralose - modern artificial sweetener
- 16:50** **Pause**

SESSION: Posters

- 17:00 **Poster sessions I. (Numbers P01-P30)**
Presenting authors are asked to be present at their posters.

- 18:00** **Welcome reception in Congress Centre of Tomas Bata University**

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Wednesday, September 10

SESSION: Nutritional supplements I. Chairs: Van Elsacker G. B. J., Zobel A. M.

- 09:00 **L08** *Van Elsacker G.B.J., Hornová J., Czech Republic/Belgium*
New cancer protocol: CHEMO plus CAM cocktail
- 09:20 **L13** *Cajthamlová K., Havlíček P., Czech Republic*
Essential importance of combination of education of the patient, Individual approach and food supplementation in treatment of obese patients
- 09:40 **L01** *Zobel A. M., Zobel G., Kuraš M., Schwarzkopf-Genswein K. S., Canada*
Vitamins - The active compounds in food nutrition, their reactions with minerals and phenolics
- 10:00 **L19** *Waciakowski D., Karpaš K., Urban K., Czech Republic*
Bone healing after opening wedge osteotomy
- 10:20 **L16** *Matuška J., Czech Republic*
Is there a difference between natural and synthetic food supplements
- 10:40** **Pause**

SESSION: Posters

- 11:00 **Poster sessions II. (Numbers P31-P61)**
Presenting authors are asked to be present at their posters.
- 12:00** **Pause (lunch)**

SESSION: Separation and detection of bioactive compounds Chairs: Preisler J., Šimek P.

- 13:00 **L03** *Šimek P., Hušek P., Zahradníčková H., Czech Republic*
Simultaneous analysis of biomarkers related to folate and cobalamin status in human serum by gas chromatography-mass spectrometry
- 13:20 **L27** *Horna A., Kizek R., Kulichová B., Czech Republic*
State of art of coulometric detection in ECD-HPLC
- 13:40 **L10** *Preisler J., Peš O., Foltynová P., Kanický V., Krásenský P., Vaculovič T., Vyhnánek R., Czech Republic*
Off-line coupling of capillary electrophoresis to inductively coupled plasma mass spectrometry for elemental speciation
- 14:00 **L18** *Hégrová B., Macuchová S., Havel J., Preisler J., Czech Republic*
Identification of antifungal proteins in the barley and malt caryopsis by mass spectrometry
- 14:20** **Pause**

SESSION: Nutritional supplements II. Chairs: Kucharská J., Kocsis L.

- 14:40 **L11** *Kocsis L., Brothankova M., Babinec P., Klepp R., Austria*
Vitamin and nutraceutical premix production for application of new trends in functional food industry
- 15:00 **L33** *Kulendíková S., Czech Republic*
Erythritol – “Sugar without Calories“
- 15:20 **L15** *Matuška J., Czech Republic*
Liquid Q – a novel form of a well known food supplement
- 15:40 **L17** *Kucharská J., Slovak Republic*
Importance of vitamins in mitochondrial function in health and disease
- 16:00 **L12** *Elsayed Ibrahim S. S., Egypt*
Therapeutic evaluation of the concurrent administration of Nigella Sativa and vitamin E in treatment of rats suffering from induced diabetes and hypercholesterolemia
- 16:20** **Pause**
- 16:30** **Walking in Zlín with guide (2 hours)**

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VITAMINS 2008 – Nutrition and diagnostics

Thursday, September 11

SESSION in Czech and Slovak language

Nutritional supplements III.

Chairs: Hyánek J., Bojňanská T.

- 09:00 **L02** **Hyánek J., Pehal F., Dubská L., Pejznochová H., Vaingatová L., Privarová J., Czech Republic**
Vitamin B-12 (Holotranscobalamin) and its deficiency in healthy and risk population of patients from metabolic surgery
- 09:20 **L28** **Šimová M., Czech Republic**
Food supplements in Czech republic - Legal framework
- 09:40 **L14** **Cajthamlová K., Czech Republic**
Hidden malnutrition as a result of so called "dieting"
- 10:00 **L22** **Bojňanská T., Slovak Republic**
Buckwheat (*Fagopyrum esculentum* Moench.) - a source of rutin in human nutrition
- 10:20 **L34** **Winklerová D., Kubíková M., Czech Republic**
Food supplements in relation to novel food
- 10:40** **Pause**

SESSION: Nutritional supplements IV.

Chairs: Babula P., Winklerová D.

- 11:10 **L26** **Babula P., Opatrilova R., Adam V., Havel L., Horna A., Kizek R., Czech Republic**
Flavonoids and their protective properties
- 11:30 **L20** **Waciakowski D., Czech Republic**
Can we prevent osteoporosis by calcium supplements?
- 11:50 **L36** **Pomesano S., Italy**
SIAD and the use of atmospheric gases to achieve a longer shelf life and flavour in foodstuff
- 12:10 **L21** **Mutalib M.S.A., Khaza'ai H., Mahdy Z.A., Siraj H. H., Malaysia**
Randomised controlled trial of tocotrienols rich fraction in the prevention of pre-eclampsia, endothelial dysfunction and oxidative stress
- 12:30 **L32** **Teimouri A., Emami M., Najafi A. R., Iran**
Ab initio and density functional theory analysis on the structure of vitamins
- 12:50 **Horna A., Blatná J.**
Closing of the conference

Parallel session during conference

September 11, 9:00 - 12:00

Opportunities for scientists within EU Research programmes

Workshop organized in collaboration with the Technology Center AS CR

Registration form at <http://geform.tc.cz/vitamins> before 5 September 2008. There is no registration fee for participants.

The workshop language is Czech. Translation into English will be provided.