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**3<sup>RD</sup> INTERNATIONAL SYMPOSIUM  
ON TRACE ELEMENTS IN THE FOOD CHAIN –  
DEFICIENCY OR EXCESS OF TRACE ELEMENTS  
IN THE ENVIRONMENT AS A RISK OF HEALTH  
- TEFC 2009  
BUDAPEST, HUNGARY  
21-23 May 2009**

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■ **INVITATION**

You are cordially invited to attend the

**3<sup>RD</sup> INTERNATIONAL SYMPOSIUM ON TRACE ELEMENTS IN THE FOOD CHAIN –  
DEFICIENCY OR EXCESS OF TRACE ELEMENTS IN THE ENVIRONMENT AS A RISK OF  
HEALTH (TEFC – 2009)**

to be organized by the Working Committee on Trace Elements of the Hungarian Academy of Sciences (HAS), as well as the Institute of Materials and Environmental Chemistry of the HAS, in

**BUDAPEST, HUNGARY**

**21-23 May 2009.**

*The purpose of the Symposium is to congregate experts interested in the investigation of trace elements of the food chain, involving analytical, metabolic, toxicological aspects, focussing on the environmental and health concerns.*

*Accordingly, following our traditions we intend to provide a multidisciplinary forum for exchange of experiences and expertise.*

*Special attention will be given to the deficiency or excess in the environment as a risk of health, the speciation and transfer of trace elements in the food chain, to the factors influencing these processes.*

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■ **GENERAL SUBJECT AREAS, TOPICS**

Scientific sessions are expected to cover the following general subject areas:

- ✚ *METHODICAL ASPECTS OF TRACE ELEMENT RESEARCH. SPECIATION.*
- ✚ *NANOTECHNOLOGY FOR TRACE ELEMENT RESEARCH.*
- ✚ *ENVIRONMENTAL ASPECTS OF TRACE ELEMENTS CONCERNING AIR, WATER, SOIL, MICROORGANISMS AND PLANTS.*
- ✚ *TRACE ELEMENT STATUS AND RISK OF HEALTH IN PLANTS, ANIMALS AND MAN.*

- ✚ *FOOD AND FEED SAFETY IN HUMAN AND ANIMAL NUTRITION.*

■ **OTHER TOPICS**

- ✚ *POSSIBILITIES AND DIFFICULTIES IN THE ANALYSIS OF TRACE ELEMENTS.*
- ✚ *TRACE ELEMENTS AS AIR POLLUTANTS.*
- ✚ *SEWAGE SLUDGES AS TRACE ELEMENT SOURCES.*
- ✚ *BIOAVAILABILITY AND MOBILITY OF TRACE ELEMENTS IN SOILS.*
- ✚ *REMEDIATION OF TRACE ELEMENT CONTAMINATED SOILS.*

- ✚ BIOACCUMULATION AND TRANSLOCATION OF TRACE ELEMENTS IN PLANTS.
- ✚ TRACE ELEMENTS IN MEDICINAL PLANTS.
- ✚ TRACE ELEMENT DEFICIENCY: GENETIC AND/OR DIETARY BACKGROUND.
- ✚ BIOLOGICAL AND TOXICOLOGICAL IMPORTANCE OF TRACE ELEMENTS.
- ✚ TARGETS OF HEAVY METAL TOXICITY.
- ✚ NEUROTOXIC EFFECTS OF TRACE ELEMENT DEFICIENCY OR EXCESS.
- ✚ MICRONUTRIENTS AND CARDIOVASCULAR DISEASES.
- ✚ DEFICIENCY – EXCESS – METABOLIC DISORDERS.
- ✚ DEFICIENCY – EXCESS – ANTIOXIDANT STATUS.
- ✚ HOW MANY IS INSUFFICIENT, OPTIMAL, EXCESS?
- ✚ TRACE ELEMENTS AND OXIDATIVE STRESS.
- ✚ TRACE ELEMENTS AS ENVIRONMENTAL POLLUTANTS.
- ✚ TRACE ELEMENT SUPPLEMENTATION AND FOOD SAFETY IN PUBLIC ADMINISTRATION

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■ **DEADLINES**

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Abstract submission: JANUARY 15, 2009.  
 Information on paper acceptance: FEBRUARY 1, 2009  
 Early registration: FEBRUARY 28, 2009  
 Contribution submission: FEBRUARY 28, 2009.  
 Further information:  
<http://www.chemres.hu/tefc2009>

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■ **SECRETARY OFFICE OF THE ORGANIZING COMMITTEE**

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Dr. KLÁRA SZENTMIHÁLYI, PhD.  
[szklari@chemres.hu](mailto:szklari@chemres.hu)

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■ **SYMPOSIUM SECRETARIAT**

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e-mail: [tefc2009@chemres.hu](mailto:tefc2009@chemres.hu)  
 On behalf of the Organising Committee we look forward to meeting you in the more than eleven hundred year old HUNGARY.  
 Prof. Dr. MIHÁLY SZILÁGYI, PhD, DSc. Chair  
 Dr. KLÁRA SZENTMIHÁLYI, PhD. Secretary